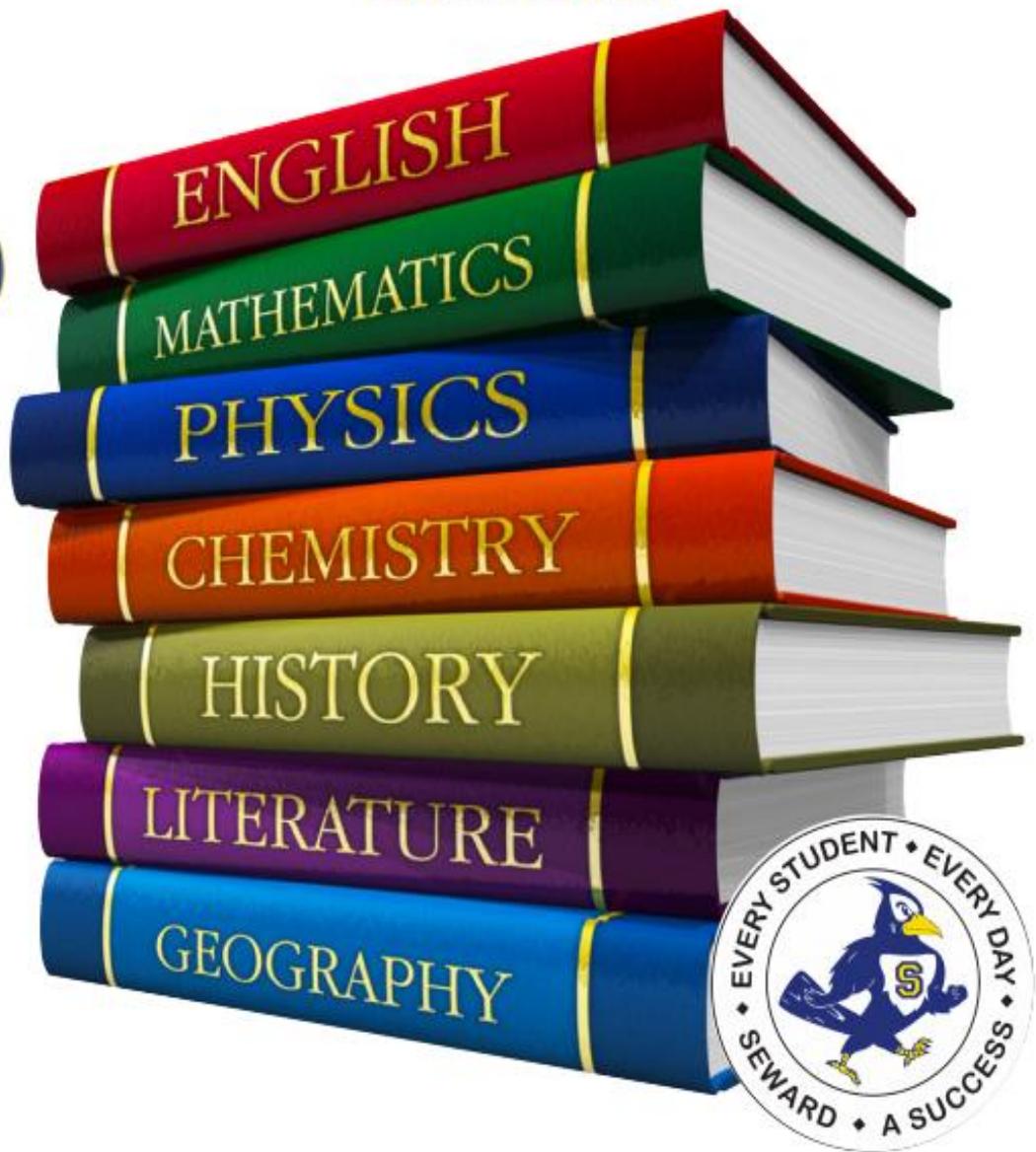


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**Seward High School**

*Developing Your  
Road Map to Success*

**Course Registration Guide  
2021-2022**



## **STATEMENT OF COMPLIANCE, NON-DISCRIMINATION AND AFFIRMATIVE ACTION REGARDING REGISTRATION PROCEDURES**

Seward Public Schools does not discriminate on the basis of race, color, national origin, gender, age, disability, marital status, or based on such protected classes, in admission or access to, or treatment of employment or educational programs and activities. Any person having information or inquiries regarding any such discrimination is directed to contact Superintendent Dr. Josh Fields, in writing at 410 South Street, Seward, NE 68434 or by telephone at (402) 643-2941. Any person may also contact the Office for Civil Rights, U.S. Department of Education: by email at [OCR.KansasCity@ed.gov](mailto:OCR.KansasCity@ed.gov); by telephone at (816) 268-0550; or by fax at (816) 268-0599, regarding complaints of discrimination based on race, color, national origin, gender, age, disability as well as complaints concerning the denial of access or other discrimination against Boy Scouts or other youth groups.

### **QUALIFYING INFORMATION AS PUBLISHED IN THE SEWARD HIGH SCHOOL REGISTRATION GUIDE**

Timeline restraints require the registration guide to be printed and available by January. External and internal factors, which govern the educational programs for Seward High School, are constantly changing throughout the year. Consequently, information as stated in this registration guide may be changed as deemed necessary by the school officials. Information, i.e. prerequisites and course offerings, are examples of information that can be affected.

Dear Students and Parents/Guardians:

Seward High School has a proud tradition of offering an outstanding program of academic courses, athletic programs, and co-curricular activities. Our motto of *Every Student, Every Day, a Success* leads us to seek offerings that will best prepare students for life after high school. This course book provides a brief description of every course and the sequencing of courses designed by each department. We offer a wide-array of courses in all subject areas demonstrating our commitment to helping all students establish a broad foundation for success after high school.

High School course selection can play a significant role in a student's post-secondary options. We encourage you to consider your course selections carefully. In addition to meeting graduation requirements, students should select the most challenging courses that allow them to explore or strengthen areas of interest and prepare for post-secondary education and careers. It is critical for both students and parents to be involved in the course selection process. You are also encouraged to seek the advice and guidance of your counselor, teachers, and school administration as necessary during this process.

Student course selections as part of the registration process will guide the building of the master schedule. Therefore, we ask that you take great care in selecting the courses you wish to take the following year. Your careful selection will allow school staff developing the schedule to make the best decisions to serve you for the upcoming school year. This is also the reason why schedule change requests will be limited and rare.

The faculty and staff at Seward High School are here to support the success of every student. Please don't hesitate to solicit the advice and support of our staff to assist you in this process.

Sincerely,

*Scott Axt*

*Jill Johnson*

Scott Axt  
Principal

Jill Johnson  
Assistant Principal

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# Welcome to Seward High School

## Graduation Requirements

### Graduation Requirements Checklist

Name \_\_\_\_\_

Graduation Year \_\_\_\_\_

235 Credit Hours											<b>COMPLETED</b>
<b>English (40 Hours)</b>	10 Hours English 9		10 Hours English 10		10 Hours English 11		10 Hours during 12th grade				
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Speech (5 Hours)</b>	5 Hours										<input type="checkbox"/>
	<input type="checkbox"/>										<input type="checkbox"/>
<b>Mathematics (30 Hours)</b>	10 Hours		10 Hours		10 Hours during 11th grade						
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Social Science (35 Hours)</b>	10 Hours World Geography		10 Hours American History		10 Hours American Government		5 Hours				
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Science (30 Hours)</b>	10 Hours Biology		10 Hours Physical Science		10 Hours during 11th grade						
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Personal Finance (5 Hours)</b>	5 Hours										<input type="checkbox"/>
	<input type="checkbox"/>										<input type="checkbox"/>
<b>Health / PE (15 Hours)</b>	Health	PE		PE							
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>Computer (5 Hours)</b>	5 Hours										<input type="checkbox"/>
	<input type="checkbox"/>										<input type="checkbox"/>
<b>Vocational (5 Hours)</b>	5 Hours										<input type="checkbox"/>
	<input type="checkbox"/>										<input type="checkbox"/>
<b>Arts /Foreign Lang. (5 Hours)</b>	5 Hours										<input type="checkbox"/>
	<input type="checkbox"/>										<input type="checkbox"/>
<b>Electives (60 Hours)</b>	60 Hours										<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**College Readiness:**

Consider math beyond Algebra II

Minimum 2 years of Foreign Language + benefits of 4 years

One AP course or more is recommended for 4-year college bound students

Consider more years in areas of interest and specialization as well as Dual Credit options.

## Grading

### Senior Recognition

Seward High School recognizes the outstanding academic achievement of its graduating seniors in the following manner:

Summa Cum Laude – Graduating seniors with a cumulative G.P.A. of 4.0 or greater.

Magna Cum Laude – Graduating seniors with a cumulative G.P.A. between 3.833-3.999.

Cum Laude – Graduating seniors with a cumulative G.P.A. between 3.667-3.832.

### Exclusions

The following are not included in the calculation of a student's grade point average:

- Courses completed by home-school students
- Correspondence courses from a non-accredited high school
- Audit courses
- Access periods
- Independent study
- Pass/No-Pass courses
- Resource

These exclusions receive no points. While enrolling in a pass/no-pass course, for example, may be appropriate for some students, students need to understand the impact of this on their cumulative GPA when developing a schedule.

Seward High School 's letter grading system			
Grade Earned	Non-Weighted	*Weighted	Percentage Ranges
A+	4.0	5.0	98-100
A	4.0	5.0	95-97
A-	3.667	4.667	93-94
B+	3.333	4.333	91-92
B	3.0	4.0	88-90
B-	2.667	3.667	86-87
C+	2.333	3.333	84-85
C	2.0	3.0	80-83
C-	1.667	2.667	78-79
D+	1.333	2.333	76-77
D	1.0	2.0	72-75
D-	.667	1.667	70-71
F	0	0	0-69

\* Weighted grades – Advanced Placement (A.P.) courses will be classified as weighted.

## **Transferring Credits/Placement**

The appropriate level of placement for secondary students may be determined by, but not limited to, consideration of the following information:

- Chronological age
- Previous public school or private school experience
- Standardized achievement test data
- Criterion referenced test data
- Final examination test data
- Diagnostic test data

A student transferring into the school district in grades 9-12 will be responsible for meeting all graduation requirements to earn a high school diploma. Credits earned in grades 9-12 at an accredited school will be counted toward high school graduation requirements. Credits from a home school and/or a non-accredited school will not be counted toward high school graduation requirements.

The district administration, in conjunction with the building principal, will determine the appropriate grade level/credit status of a student transferring from a foreign country.

## **Schedule Changes**

Each year, a new master schedule is created to accommodate students' course selections. Faculty members are employed, textbooks are purchased, the number of sections for each course offered is determined, and rooms are assigned on the basis of course requests. In short, accommodating the greatest percentage of student course requests is our highest priority during this process. Given that so much time, effort, and resources are devoted to accommodating student course registration requests, schedule changes will be limited and rare and will only occur at designated times.

# What Are Colleges Looking for in a Student?

Preparing for college starts as early as the ninth grade, if not earlier. Parents and students often ask counselors, “What does it take for me to get into (Fill in the Blank) College?” That is a difficult question to answer, as competition has intensified for a spot at certain colleges, and it is hard to ascertain what factors colleges will emphasize in a particular year. We do know that colleges, especially those which are most competitive in admissions, seek students who are academically prepared for the rigors of college-level courses, who can contribute to their campus community, and who have a clear sense of why they are a good match for that college.

## Top Factors Influencing Admission Decisions

Each year, the National Association for College Admission Counseling (NACAC) surveys colleges and universities to determine the top factors influencing admission decisions. Grades in college preparatory courses and strength of curriculum were considered by colleges to be the top factors in the admission decision, followed closely by admission test scores and grades in all courses. Nearly 75 percent of all colleges and universities rated grades in all courses as “considerably important,” followed by 73 percent for grades in college prep courses, followed by 60 percent for strength of curriculum, and 49 percent for admission test scores. According to the 2019 “State of College Admissions Report,” the following factors, in order of importance, were:

1. Grades in all courses
2. Grades in college prep courses
3. Strength in curriculum
4. Admission test scores (ACT, SAT)
5. Essay or writing sample
6. Counselor recommendation
7. Student’s demonstrated interest
8. Teacher recommendation
9. Class rank
10. Subject test scores (AP)

SOURCE: NACAC Admission Trends Survey, 2019.

# State and National Standardized Testing

## What is right for me?

There are a number of standardized tests that are offered at Seward High School during the school year. Some of these tests are optional and some are required. Each test measures different student skills and/or college placements. Here is a rundown of the tests offered:

### **PSAT Test (preliminary SAT test)**

- A national test that all sophomores take at school in October.
- An optional test open to all juniors
- Covers math, critical reading, and writing skills
- Junior scores on the PSAT are used as qualifying scores for the National Merit Scholarship competition.
- Student cost is approximately \$17.
- Students register in the Counseling Office.

### **ASVAB Test (Armed Services Vocational Aptitude Battery)**

- An optional test open to juniors and seniors
- Given in the school district in October or by appointment with a military recruiter
- Covers aptitude and interests to give students an idea of their possible career options
- Students do not have to be planning a military enlistment to take the ASVAB but the military does use the results to determine appropriate career placement for enlistees.
- There is no cost to the student for the ASVAB test.
- Students register in the Counseling Office.

### **Accuplacer Test (ASSET Test)**

- A placement exam for seniors planning to attend a community college
- Covers math, English, and reading
- Is offered at Seward High School in October or at SCC by appointment
- There is no cost to the student for the Accuplacer or ASSET test.
- Students register in the Counseling Office for the October test and at SCC for other test dates.

### **ACT Test (American College Test)**

- One of two possible entrance exams required by most four-year colleges and universities.
- Covers English, reading, math, science reasoning and an optional writing section
- Test is scored on a scale of 1-36 with 36 being the top score; students are not penalized for guessing.
- Is offered at Seward High School in October, December, April, and June.
- Student cost is approximately \$52 for test and an additional \$16.50 for the writing section. Fee waivers are available for students on free and reduced lunch status.
- Students register online at [www.act.org/bts](http://www.act.org/bts).
- SHS juniors will be taking this test for state reporting purposes in April. The ACT will be reportable to colleges. This April in-school test administration is free of charge.

## **SAT Test (Scholastic Aptitude Test)**

- One of two possible entrance exams required by most four-year colleges and universities.
- Covers math, critical reasoning, and writing.
- Test is scored on a scale of 200-800 with 800 points per section being the top score; students are penalized for guessing.
- Is offered at Lincoln Public Schools.
- Student cost is approximately \$49.50 and an additional \$15 for the writing section. Fee waivers are available for students on free and reduced lunch status.
- Students register online at [www.collegeboard.com](http://www.collegeboard.com).

## **Advanced Placement Tests (AP)**

- Subject based tests in 34 different courses including English, math, science, social studies and computer science: Seward High School currently offers AP Calculus AB, and AP Literature and Composition, AP Biology, AP Statistics, AP Environmental Science, AP Music Theory, AP Human Geography, and AP U.S. History.
- Tests are optional for students enrolled in AP courses and are offered in May each year.
- Individual scores range from 1-5 with 5 being the best.
- Colleges/Universities may offer college credit for scores of 3 or better. It will vary from school to school so it is important for students to check with their schools of interest before signing up for AP tests.
- Student cost is approximately \$96 per test.
- Students register in the Counseling Office.

## College Entrance Requirements

### Summary of University of Nebraska Core Course Requirements:

Category	Units	University Wide Requirements
English	4	All units must include intensive reading and writing experience.
Mathematics	3	Algebra I, Geometry, Algebra II (NOTE: UNL requires one additional unit of math building on Algebra II)
Social Studies	3	Units that include one unit of American or World History and one additional unit of History, American Government, or Geography
Natural Sciences	3	At least two units selected from Biology, Chemistry, Physics, and Earth Sciences. (One of the above units must include laboratory instruction.)
Foreign Language	2	Both units must be in the same language.
Additional Academic Requirements	1	UNK – One unit chosen from any academic discipline. UNL Mathematics – One additional unit that builds on a knowledge of Algebra II (Trig, Prob/Stats, Pre-Calc, Calculus).
Total Units	16	*Unit = 1 year

Students who are unable to take two years of foreign language in high school may still qualify for admission through a special process. These students will be required to take two semesters of foreign language at the University of Nebraska. These students must also complete 16 units of academic course work from the categories listed above.

NOTE: Other universities may have different requirements.

### Summary of Concordia University Core Course Requirements

Students who enroll at Concordia University need to meet the graduation requirements at Seward High School to be accepted. Admissions personnel will review student transcripts to see which math, English, science, and foreign language courses were taken in high school for appropriate course selection in college.

NOTE: Other colleges may have different requirements.

# NCAA ELIGIBILITY CENTER QUICK REFERENCE SHEET



## Core Courses

- **NCAA Division I requires 16 core courses.** See the chart below for the breakdown of this 16 core-course requirement.
- **NCAA Division II currently requires 14 core courses.** Division II will require 16 core courses for students enrolling on or after August 1, 2013. See the breakdown of core-course requirements below.

## Test Scores

- **Division I** uses a sliding scale to match test scores and core grade-point averages. The sliding scale for those requirements is shown on page two of this sheet.
- **Division II** requires a minimum SAT score of 820 or an ACT sum score of 68.
- The SAT score used for NCAA purposes includes **only** the critical reading and math sections. The writing section of the SAT is not used.
- The ACT score used for NCAA purposes is a **sum** of the following four sections: English, mathematics, reading and science.
- **When you register for the SAT or ACT, use the NCAA Eligibility Center code of 9999 to ensure all SAT and ACT scores are reported directly to the NCAA Eligibility Center from the testing agency. Test scores that appear on transcripts will not be used.**

## Grade-Point Average

- **Be sure** to look at your high school's List of NCAA Courses on the NCAA Eligibility Center's website ([www.eligibilitycenter.org](http://www.eligibilitycenter.org)). Use the list as a guide.
- Only courses that appear on your school's List of NCAA Courses will be used in the calculation of the core grade-point average. Use the list as a guide.
- **Division I** core grade-point-average requirements are listed on the sliding scale on Page No. 2 of this sheet.
- **The Division II** core grade-point-average requirement is a minimum of 2.000.
- Remember, the NCAA grade-point average is calculated using NCAA core courses only.

<b>DIVISION I 16 Core Courses</b>	
4	years of English.
3	years of mathematics (Algebra I or higher).
2	years of natural/physical science (1 year of lab if offered by high school).
1	year of additional English, mathematics or natural/physical science.
2	years of social science.
4	years of additional courses (from any area above, foreign language or comparative religion/philosophy).

<b>DIVISION II 14 Core Courses</b>	
3	years of English.
2	years of mathematics (Algebra I or higher).
2	years of natural/physical science (1 year of lab if offered by high school).
2	years of additional English, mathematics or natural/physical science.
2	years of social science.
3	years of additional courses (from any area above, foreign language or comparative religion/philosophy).

<b>DIVISION II 16 Core Courses (2013 and After)</b>	
3	years of English.
2	years of mathematics (Algebra I or higher).
2	years of natural/physical science (1 year of lab if offered by high school).
3	years of additional English, mathematics or natural/physical science.
2	years of social science.
4	years of additional courses (from any area above, foreign language or comparative religion/philosophy).

## **NCAA Eligibility Continued:**

A student may apply to the NCAA Eligibility Center at any time during his/her high school years. There is a registration fee for applying to the NCAA Eligibility Center. It is recommended potential NCAA student-athletes visit with a school counselor prior to registering for junior classes. NCAA Eligibility Center registration is recommended when a student is receiving serious recruiting interest from NCAA Division I and/or Division II schools. This application may be completed online at [www.eligibilitycenter.org](http://www.eligibilitycenter.org). The student must have his/her ACT or SAT scores sent to the NCAA Eligibility Center each time the test is taken. The NCAA Eligibility Center institution code is 9999.

All prospective student-athletes need to work with their school counselors and carefully plan their schedules each year to ensure NCAA eligibility. The NCAA eligibility rules and list of acceptable courses often change. It is the responsibility of the student to seek out the necessary information to make course selection decisions.

## **NAIA ATHLETIC ELIGIBILITY**

All students planning to enroll in college as a freshman and wanting to participate in NAIA athletics must be certified by the NAIA Eligibility Center. The NAIA Eligibility Center will determine athletic eligibility based on academic record and the additional information provided by the athlete. It is the responsibility of the prospective student athlete to make sure the Eligibility Center has the documents it needs to certify his/her eligibility.

NAIA Eligibility Requirements (must be a high school graduate plus meet two of three requirements):

- 1) Achieve a minimum of 18 or the ACT or 860 on the SAT.
- 2) Achieve a minimum overall high school GPA of 2.0 on a 4.0 scale.
- 3) Graduate in the top half of the high school class.

A student may apply to the NAIA Eligibility Center at any time during his/her high school years. There is a registration fee for applying to the NAIA Eligibility Center. It is recommended potential NAIA student athletes visit with a school counselor prior to registering for junior year classes. NAIA Eligibility Center registration is recommended at the end of the senior year if committed to play an NAIA sport. This application may be completed online at [www.PlayNAIA.org](http://www.PlayNAIA.org). The student must have his/her ACT or SAT scores sent to the NAIA Eligibility Center. The NAIA Eligibility Center institution code is 9876.

# Seward High School Course Guide Color Key

Courses within the Seward High School course registration guide have been color coded to further help students and families in selecting an academic plan that most closely aligns with a particular post-secondary goal. The explanations below help to further define the meaning behind these various academic pathways. If you have questions regarding these recommended course sequences and how they fit within your unique post-secondary goal, you are encouraged to consult with your school counselor directly.

## Rigorous Four-Year College Preparation Track/Course Offerings

Students completing courses in this track will have maximized their potential to prepare for the rigors of a four-year college education.

## Standard Post-Secondary Education Preparation Track/Course Offerings

Students completing courses in this track will have been exposed to the minimum curriculum associated with ACT College and Career Readiness Standards. Students planning to attend any post-secondary institution will be required or it will be highly recommended that they complete these courses at a minimum.

## Courses that Meet Basic Seward High School Graduation Requirements

Students completing courses in this track will have obtained the essential skills associated with obtaining a high school diploma.

## Elective Course Offerings

The primary purpose of these course offerings is to provide an array of educational opportunities as students seek to identify, and pursue, a program of academic study. Elective course offerings in some cases may also move a student towards obtaining graduation requirements.

## Elective Area Programs of Study/Recommended Course Sequences

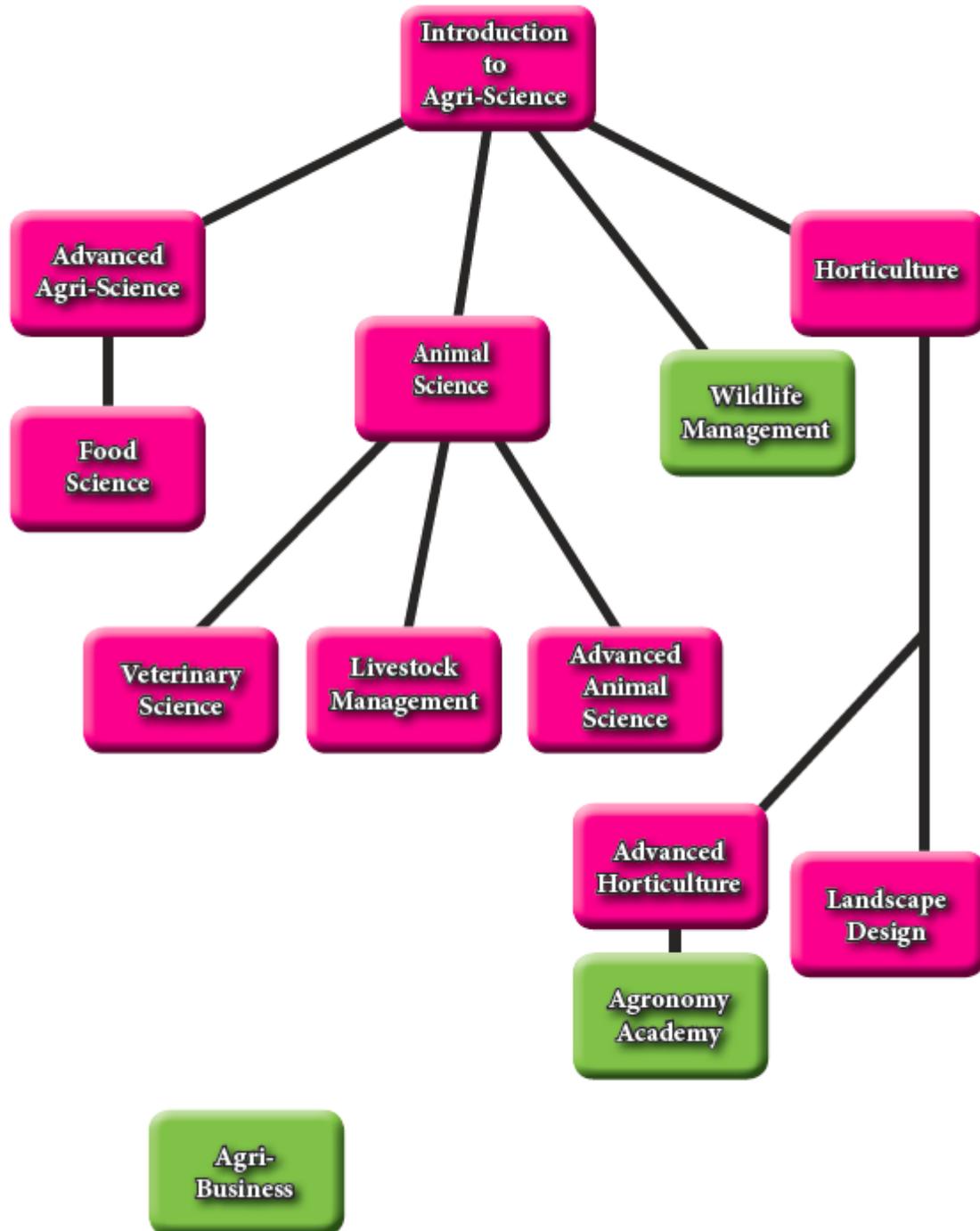
A program of study (POS) is a sequence of elective course offerings designed to prepare a student for a particular post-secondary education pathway or career area.

A recommended course sequence falls short of a fully defined career pathway, but still provides students with a sequence of course offerings that will prepare them for a particular area of post-secondary education or career.

# Agri-Science Education Department

Seward High School's agricultural education department offers a variety of courses that enable a student to enroll in classes that hold a special interest or to prepare a student for a career in animal science, plant science, wildlife management, horticulture, or related areas. The utilization of field trips and community resources will be integrated into all classes when feasible.

## Agri-Science Department Course Sequence Map



**Course Name:** Introduction to Agri-Science (CASE)  
**Course Number:** 610  
**Duration:** 1 Term  
**Grade:** 9-12  
**Prerequisites:** None  
**Note:** CASE: Curriculum for Agricultural Science Education

This course is designed to introduce students to the many different areas of agriculture. Students will learn about FFA, leadership skills, animal science, plant science, natural resources, and food science in a hands-on approach.

**Course Name:** Animal Science (CASE)  
**Course Number:** 615  
**Duration:** 1 Term  
**Grade:** 10-12  
**Prerequisites:** Introduction to Agri-Science  
**Note:** CASE: Curriculum for Agricultural Science Education

This course is a foundational-level course where students explore various species of animals. Throughout the course, students will develop a management guide for an animal of their choice. Topics include an introduction to livestock and small animal industries, animal handling, domestication, anatomy, and facility design.

**Course Name:** Advanced Animal Science (CASE)  
**Course Number:** 617  
**Duration:** 1 Term  
**Grade:** 11-12  
**Prerequisites:** Introduction to Agri-Science and Animal Science  
**Note:** CASE: Curriculum for Agricultural Science Education; Not Offered in 2021-2022; Offered in 2022-2023

This course is designed for students who have an interest in veterinary science and building upon their knowledge of livestock production. Topics include animal diseases, nutritional practices, current medical practices in animal science, anatomy and physiology, genetics, and reproduction.

**Course Name:** Horticulture  
**Course Number:** 631  
**Duration:** 1 Term  
**Grade:** 10-12  
**Prerequisites:** Introduction to Agri-Science  
**Note:** Students may earn college credit for this course if 16 years old or older. Student is responsible for college costs.

Horticulture is a beginning-level course that introduces students to the world of growing plants in a greenhouse and skills related to the science of plant production. Areas to be emphasized are greenhouse management, propagation and growing of plants, hydroponics, plant nutrition, pesticide management, and plant and tree identification.

**Course Name:** Advanced Horticulture  
**Course Number:** 632  
**Duration:** 1 Term  
**Grade:** 10-12  
**Prerequisites:** Introduction to Agri-Science and Horticulture

Note: Students are charged \$10 per term

Advanced Horticulture will introduce business procedures, design principles, and production techniques used in retail and wholesale floral businesses. Students will also be introduced to principles of landscape design, methods of establishing and maintain landscapes, and landscape business management.

**Course Name:** **Wildlife Management and Natural Resources**  
**Course Number:** 681  
**Duration:** 1 term  
**Grade:** 11-12  
**Prerequisites:** Introduction to Agri-Science  
**Note:** Not Offered in 2021-2022; Offered in 2022-2023

Students will study wildlife management concepts and principles, conservation of natural resources and career opportunities in game management, forestry, and fisheries.

**Course Name:** **Food Science**  
**Course Number:** 634  
**Duration:** 1 Term  
**Grade:** 11-12  
**Prerequisites:** Introduction to Agri-Science  
**Note:** Offered in 2021-2022; Not Offered in 2022-2023

This course prepares and engages students in scientific principles. Topics covered include food preservation, perishability, processing, product development, safety, deterioration, and selection. Other topics include product and by-products, grading and inspection, nutritional properties, biotechnology, and consumer health.

**Course Name:** **Companion Animal and Equine Science**  
**Course Number:** 618Z  
**Duration:** 2 Terms  
**Grade:** 11-12  
**Prerequisites:** Introduction to Agri-Science and Animal Science  
**Note:** 5<sup>th</sup> Period, 44-minute class; Offered in 2021-2022; Not Offered in 2022-2023

Students will learn about companion animal and equine industries, including dog, cat, small animals and exotic animals. Basic anatomy and physiology, care, management, handling, nutrition, recreation, and career options will be explored.

**Course Name:** **Advanced Agri-Science (CASE)**  
**Course Number:** 612  
**Duration:** 1 Term  
**Grade:** 10-12  
**Prerequisites:** Introduction to Agri-Science  
**Note:** CASE: Curriculum for Agricultural Science Education; Offered in 2021-2022; Not Offered in 2022-2023

Students in this course will evaluate their SAE (supervised ag experience), make improvements to it, and set goals for the future of it; learn about soil profiles and be able to identify different soil textures; study general plant science, horticulture, and be able to recognize several different types of house and garden plants; examine crop sciences and

understand the basics of corn, soybeans, and wheat; and will build an understanding for insects and their effects on plants and grain crops while identifying different kinds of insects.

**Course Name:** Landscape Design  
**Course Number:** 633  
**Duration:** 1 Term  
**Grade:** 11-12  
**Prerequisites:** Introduction to Agri-Science and Horticulture  
**Note:** Offered in 2021-2022; Not Offered in 2022-2023

Students will be introduced to principles of landscape design, methods of establishing and maintaining landscapes, and landscape business management.

**Course Name:** Agri-Business  
**Course Number:** 691Z  
**Duration:** 2 Terms  
**Grade:** 11-12  
**Prerequisites:** Introduction to Agri-Science  
**Note:** 5<sup>th</sup> Period, 44-minute class

This course prepares and engages students to take an in-depth look into today's agriculture industry through economic principles in agribusiness, planning an agribusiness and various career development practices. Students will also be exposed to various marketing techniques in agriculture and crop industries. Projects will include creating and marketing their own product to fit into Nebraska's current agricultural industries.

**Course Name:** Agronomy Academy – CA Crop & Food Science  
**Course Numbers:** 920, 922  
**Duration:** 1<sup>st</sup> and 2<sup>nd</sup> Terms  
**Grade:** 11-12  
**Prerequisites:** Introduction to Agri-Science  
**Note:** Offered off-site; Application process for selection into class; Students may earn college credit for this course if 16 years old or older. Student is responsible for college costs.

The Agronomy Academy is a hands-on agricultural class designed to give students an overview of the agronomy industry. Students will become acquainted with career paths, major companies and the agricultural principals of the industry. Companies in support of this program are Monsanto, Syngenta, DuPont Pioneer, Dow AgriScience and Mycogen Seed. Topics may include disease, pest and weed management, plant growth and development, seed manufacturing and distribution, soil science, and much more.

The Agronomy Academy will meet on Monday, Tuesday, Thursday, and Friday at an off-campus location from 8:00-9:15. Wednesday classes meet at Seward High School working independently on various projects and experiential learning activities. While on site students will have the opportunity to be right in the middle of the action while learning the "ins" and "outs" of the seed industry. This will include opportunities to interact with professionals within the industry and to tour related businesses.

**Course Name:** Livestock Management and Evaluation  
**Course Numbers:** 620Z  
**Duration:** 2 Terms  
**Grade:** 10-12  
**Prerequisites:** Introduction to Agri-Science and Animal Science

Note: 5<sup>th</sup> Period, 44-minute class; Not Offered in 2021-2022; Offered in 2022-2023

Students will learn about the livestock industries, including cattle, dairy, sheep, poultry, goats, and swine. Topics covered include care, management, handling, nutrition, judging, and disease management. Students will have the opportunity to learn livestock judging techniques and practices as well as careers in the areas covered.

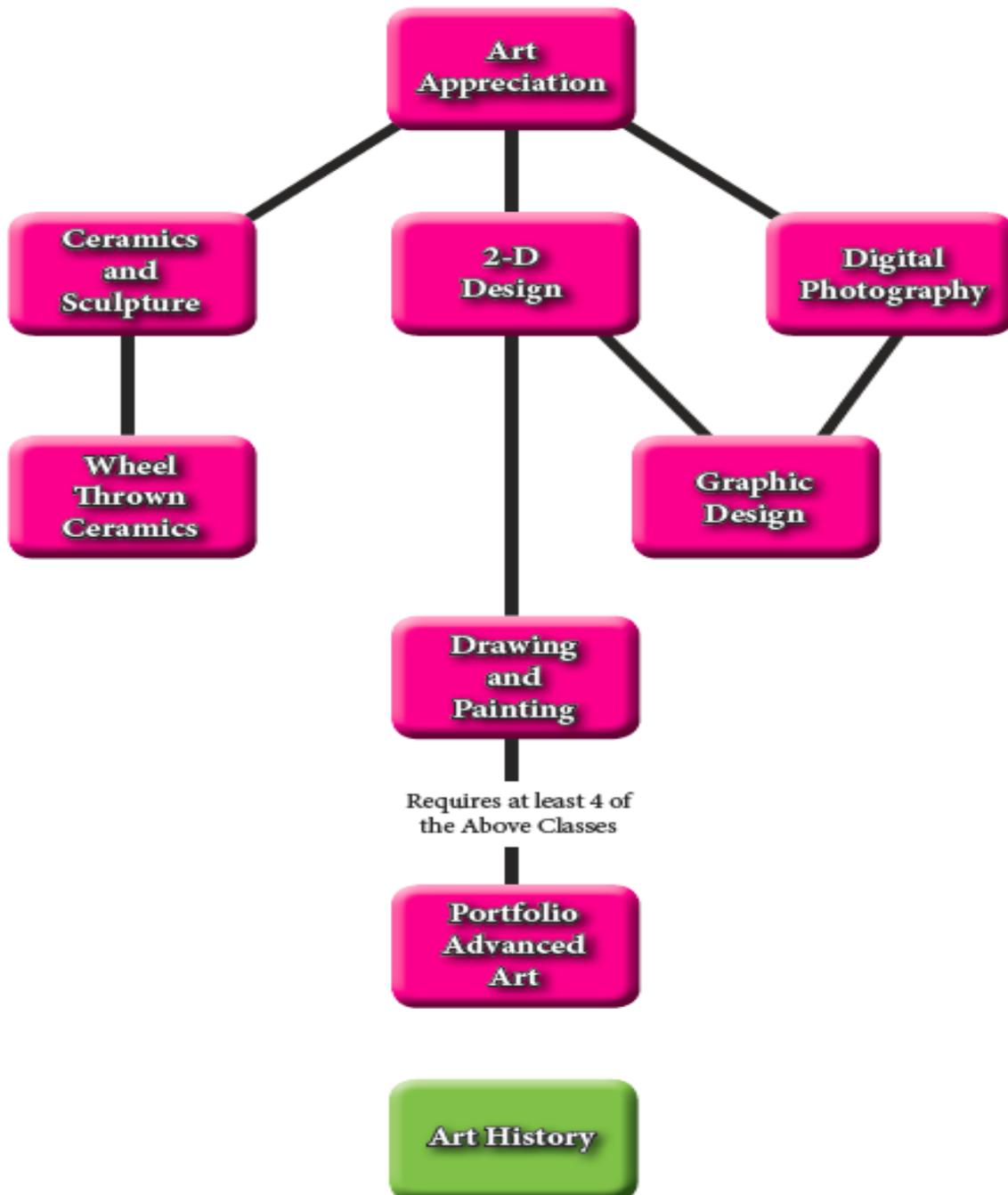
**Course Name:** **Veterinary Science**  
**Course Numbers:** 621Z  
**Duration:** 2 Terms  
**Grade:** 10-12  
**Prerequisites:** Introduction to Agri-Science and Animal Science  
**Note:** 5<sup>th</sup> Period, 44-minute class; Not Offered in 2021-2022; Offered in 2022-2023

This course will develop students' understanding of the small and companion animal industry, animal anatomy and physiology, animal nutrition, animal reproduction, animal health, veterinary medicine, veterinary office practices, and animal services to humans. Career exploration will focus on veterinarian, veterinary lab technicians, office lab assistant, small animal production, research lab assistant, and animal nutrition lab technician. Students will have the opportunity to compete in the FFA Veterinary Science Career Development Event.

# Art Department

There are several art classes for students interested in learning about art. The classes focus on three areas: skill development, art appreciation, and cultural awareness. Students will learn studio concepts and terminology as well as studying important works of art and artists. The goals of the art department are to increase the student's confidence and abilities in making and reading visual images; develop and use the student's divergent thinking and problem solving skills; develop the student's sensory appreciation for the environment; and teach the student the difference and uniqueness in themselves, other cultures, and world ideologies.

## Art Department Course Sequence Map



**Course Name:** Art Appreciation  
**Course Number:** 716  
**Duration:** 1 Term  
**Grade:** 9-12  
**Prerequisites:** None  
**Note:** Students are charged \$5 per term for supplies.

This course introduces students to the importance of art and artists. Students will discover the elements of art and learn to use a variety of art tools such as paint, charcoal, and colored pencils. Students will be given a project that corresponds with the element of art the class is focusing on at the time and will be graded on effort, idea, and skill in the completion of the project. Students who successfully complete this course are encouraged to enroll in one of the advanced classes like 2-D Design, Sculpture & Ceramics, Drawing & Painting, or Photography.

**Course Name:** Two-Dimensional (2D) Design  
**Course Number:** 717  
**Duration:** 1 Term  
**Grade:** 9-12  
**Prerequisites:** Art Appreciation  
**Note:** Students are charged \$5 per term for supplies.

This course is an introductory course that explores the principles of art, which are made from the elements of art previously explored in Art Appreciation. Students will learn how to create their own compositions in this class, while exploring new mediums like pen and ink, pastel, and spray paint. Students will be asked to use their problem-solving skills and visual thinking skills to create unique compositions throughout each project. They will be graded on their effort, idea, and skill in the completion of the project. Students who successfully complete this course are encouraged to enroll in Drawing and Painting or Graphic Design.

**Course Name:** Ceramics and Sculpture  
**Course Number:** 718  
**Duration:** 1 Term  
**Grade:** 9-12  
**Prerequisites:** Art Appreciation  
**Note:** Students are charged \$10 per term for supplies.

This course provides a hands-on approach to the elements of art. This introductory studio course incorporates a variety of 3D materials and techniques including additive, subtractive, assemblage, and relief sculpture techniques. Students will concentrate on developing design and composition skills for 3D works of art. Students in this course should have a good understanding of space, form, and texture. Students will explore both modern and famous sculptors while creating their own sculptures and will be graded in the areas of research, planning, effort, idea, and skill at the end of each project. Students who successfully complete this course are encouraged to enroll in Wheel Thrown Ceramics.

**Course Name:** Drawing and Painting  
**Course Number:** 719  
**Duration:** 1 Term  
**Grade:** 10-12  
**Prerequisites:** Two-Dimensional Design  
**Note:** Students are charged \$5 per term for supplies.

This course is an advanced studio course that focuses on and emphasizes the development of the fine arts of drawing and painting. Students can expect to become better at drawing

realistically and challenging their creativity through the use of still-lives, perspective drawings, portraiture, and abstraction. Students will work with mediums such as charcoal, graphite, oil paint, acrylic paint, watercolor, chalk pastel, and ink.

**Course Name:** **Wheel Thrown Ceramics**  
**Course Number:** 720  
**Duration:** 1 Term  
**Grade:** 10-12  
**Prerequisites:** Ceramics and Sculpture  
**Note:** Students are charged \$10 per term for supplies.

This course provides a hands-on approach to learning about clay and the potter's wheel. This is an advanced studio course that requires self-motivation and patience. Students in this course will learn to throw cups, bowls, plates, and other functional materials on the potter's wheel as well as learn the methods of slab and coil building. Besides learning to throw clay on the potter's wheel, students in this course are expected to expand their knowledge of clay artists and techniques.

**Course Name:** **Graphic Design**  
**Course Number:** 723  
**Duration:** 1 Term  
**Grade:** 10-12  
**Prerequisites:** Two-Dimensional Design & Digital Photography  
**Note:** None

This course introduces students to the booming industry of graphic design. Students in this course will explore both the artistic and corporate side of graphic design. Subjects covered in this class include logo development, typography, advertising, computer generated artwork, and working for a client. Students will learn how to navigate software programs such as Photoshop, Illustrator, and InDesign CS6 while completing weekly assignments. This course is ideal for students thinking of majoring in graphic design or business at the college level.

**Course Name:** **Digital Photography**  
**Course Number:** 722  
**Duration:** 1 Term  
**Grade:** 10-12  
**Prerequisites:** Art Appreciation  
**Note:** Students are charged \$10 per term for supplies.

This course emphasizes the development of the artistic aspects of digital photography. Students in this course will learn to recognize and capture the elements and principles of art through the camera lens. Students will learn the major functions of a camera as well as how to run Photoshop CS6. Each project will be graded on composition, idea, and computer editing skills. Please note that this course requires time outside of class to take the photos. Students successfully completing this course are encouraged to enroll in Graphic Design.

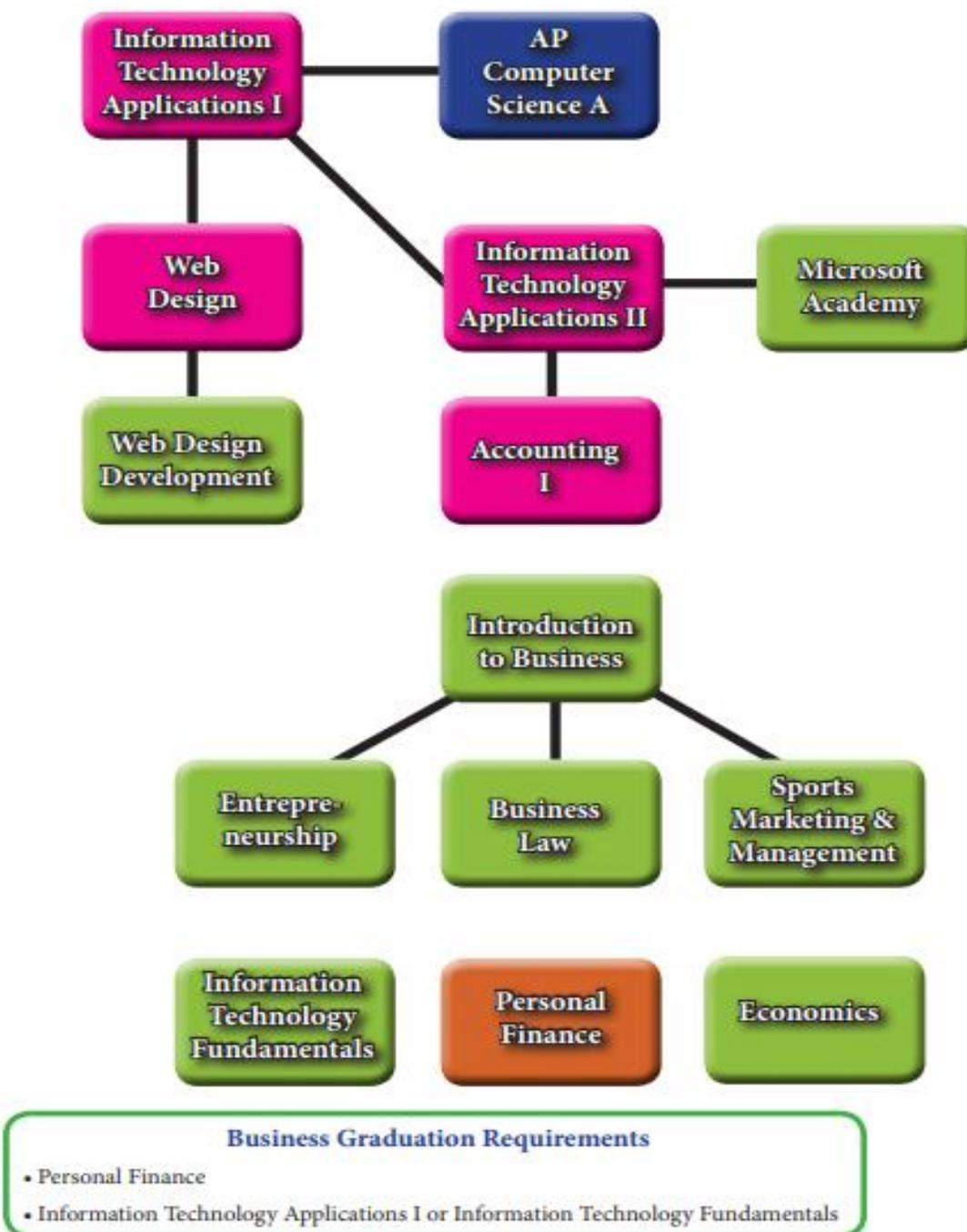
**Course Name:** Art History  
**Course Number:** 726  
**Duration:** 1 Term  
**Grade:** 10-12  
**Prerequisites:** None  
**Note:** None

This course will explore the History of Art from around the world. Students can expect to partake in readings, research, discussions, class projects, and tests. No creative skills are required.

# Business/Information Technology Department

The Business/Information Technology Department at Seward High School offers a wide variety of courses to meet the many needs of our students and community. Students may enroll in these courses to develop personal-use or employable business skills. All Business/Information Technology courses teach and/or reinforce basic skills. Many students enroll in a business course to prepare themselves for advanced training at the college or post-secondary level. Consequently, many of the courses within the department have been organized in the pathways below to help students to strategically register for course sequences that best fit their goals after high school.

## Business Department Course Sequence Map



**Course Name:** Accounting I  
**Course Number:** 854  
**Duration:** 2 Terms  
**Grade:** 11-12  
**Prerequisites:** Info Tech Apps II  
**Note:** None

Accounting is the planning, recording, and analyzing of business transactions and finances. It involves the process of journalizing and posting transactions, preparing financial statements, working with cash management systems, and figuring and recording payroll and deductions. Students will utilize online working papers and excel spreadsheets to prepare accounting documents and homework.

**Course Name:** Introduction to Business, Marketing and Management  
**Course Number:** 849  
**Duration:** 1 Term  
**Grade:** 9-12  
**Prerequisites:** None  
**Note:** None

Introduction to Business is a core course designed to give students an overview of the Business, Marketing and Management Career Field. This course is designed as an introductory study of business. Units of study include scope and function of business and economic systems, forms of business ownership, legal and ethical issues, and career opportunities.

**Course Name:** Entrepreneurship/Small Business Management  
**Course Number:** 852  
**Duration:** 1 Term  
**Grade:** 10-12  
**Prerequisites:** Introduction Business, Marketing and Management  
**Note:** Offered in 2021-2022; Not Offered in 2022-2023

A course designed for students with a career interest in entrepreneurship. Emphasis is placed on the mastery of skills needed to plan, organize, finance, and operate an entrepreneurial enterprise. These skills include entrepreneurial skills, readiness skills, and business functions. Instructional strategies will include the development of a business plan. Other strategies may include the owning and operating of a virtual, simulated business.

**Course Name:** Personal Finance  
**Course Number:** 843  
**Duration:** 1 Term  
**Grade:** 11-12  
**Prerequisites:** None  
**Note:** None

This is a course designed to assist students in personal financial management skills. Students learn to manage their resources and to make sound personal financial decisions. Units of study include budgeting, credit, insurance, saving, investing, banking, taxes, retirement planning, understanding pay and benefits, home ownership, career and college exploration, and interview skills.

**Course Name:** Economics  
**Course Number:** 837  
**Duration:** 2 Terms

Grade: 10-12  
Prerequisites: Introduction to Business  
Note: 5<sup>th</sup> Period, 44-Minute Class; Not Offered in 2021-2022; Offered in 2022-2023

Students in this course will study both micro- and macro-economics fundamentals. Economics focuses on the behavior of economic agents such as producers and consumers. Concepts to be taught, among others, include demand and supply, factors of production, production possibilities, economic systems, market equilibriums, market structures, labor market trends, banking, gross domestic product, international trade, monetary policy, and fiscal policy. Reading of supply and demand graphs will be practiced throughout this course, along with other math-related concepts.

**Course Name:** **Business Law**  
Course Number: 853  
Duration: 1 Term  
Grade: 10-12  
Prerequisites: None  
Note: Not Offered in 2021-2022; Offered in 2022-2023

This is a course designed to present the study of the legal rights and responsibilities necessary to be informed and productive citizens, employees, employers, and consumers in the free-enterprise system. Key concepts include contracts and torts, the role of courts, regulation, litigation, and constitutional issues.

**Course Name:** **Sports and Entertainment Marketing**  
Course Number: 852Z  
Duration: 2 Terms  
Grade: 10-12  
Prerequisites: None  
Note: 5<sup>th</sup> Period, 44-Minute Class; Not Offered in 2021-2022; Offered in 2022-2023

This course provides students with the marketing and management concepts, principles and practices used in the marketing and management of entertainment, visual and performing art venues, sports teams, and arenas.

**Course Name:** **Information Technology Fundamentals**  
Course Number: 829  
Duration: 1 Term  
Grade: 9-12  
Prerequisites: None  
Note: None

This course provides students with a general introduction to computer operating system basics, digital citizenship, basics of Microsoft Office, the Google Suite, web design and various applications. Students will use Chromebook, IPAD, and Macbook in this course to gain an understanding of each device.

**Course Name:** **Information Technology Applications I**  
Course Number: 831  
Duration: 1 Term  
Grade: 9-12  
Prerequisites: None

Note: None

This course provides students with a variety of topics including: Appropriate use of technology and social media resources; keyboarding for accuracy and speed; Excel spreadsheets; presentation software; and G-mail basics including sending and receiving email, attachments, use of folders, and creating groups. Students will also utilize Microsoft Word to: Master basic editing and character formatting; paragraph formatting; managing text flow; creating tables, utilize themes, style sets, backgrounds, quick parts and text boxes; illustrations and graphics; proofing of documents; formatting research papers; and mail merge. Students will also take the Microsoft User Specialist Exam in Word to earn official certification in Office.

**Course Name:** Information Technology Applications II  
**Course Number:** 832  
**Duration:** 1 Term  
**Grade:** 9-12  
**Prerequisites:** Information Technology Applications I  
**Note:** None

This course provides students with a variety of topics including: keyboarding for speed and accuracy; desktop publishing; designing basic business documents; and advanced cloud based file sharing and management. Students will also utilize Microsoft Excel to: Master basic and advanced formulas and functions; format cells and ranges; format and managing worksheets; work with data and macros; secure and share workbooks; create charts and graphs; and utilize pictures and graphics. Students will also be taking the Microsoft User Specialist Exam in Excel to earn official certification in Office. In addition, Microsoft Access will be utilized teach students to: design and create database management systems; create tables, filters, queries, and reports; create forms; and enter and edit records.

**Course Name:** Web Design  
**Course Number:** 830  
**Duration:** 1 Term  
**Grade:** 9-12  
**Prerequisites:** Information Technology Applications I  
**Note:** None

Students will demonstrate knowledge of web design and languages, including Hypertext Markup Language (HTML) and Cascading Style Sheets (CSS) to create a content rich and visually pleasing website that captures and keeps visitors' interests. Focus will be given to effective page layout, image creation and manipulation, interactivity, content creation, and project management.

**Course Name:** Advanced Placement Computer Science A  
**Course Number:** 828  
**Duration:** 2 Terms  
**Grade:** 10-12  
**Prerequisites:** Algebra I and Information Technology Applications I; Strong foundation in English and Mathematics  
**Note:** None

AP Computer Science embraces problem solving, hardware, algorithms and perspectives that help people utilize computers to solve real-world problems in everyday life. This course introduces students to computer science with fundamental topics that include problem solving, design strategies and methodologies, organization of data (data structures), approaches to processing data (algorithms), analysis of potential solutions, and the ethical and social implications of computing. The course emphasizes both object-oriented and imperative

problem solving and design. These techniques represent proven approaches for development solutions that can scale up from small, simple problems to large, complex problems. Completion of this course will prepare students to take the AP Computer Science A exam.

**Course Name:** **Web Design Development**  
**Course Number:** 835Z  
**Duration:** 1 Semester  
**Grade:** 10-12  
**Prerequisites:** Web Page Design  
**Note:** 5<sup>th</sup> Period, 44-Minute Class

Web Design Development is designed for students interested in developing advanced Web page design skills. Student will work both independently and as a class in order to develop a variety of Web design skills. Students will be expected to produce work and conduct themselves in a businesslike manner, work with a minimum of supervision, and complete units of work as selected and assigned.

Students will be expected to use word-processing, spreadsheet, desktop publishing, and graphic editing skills in order to successfully work in Web design applications. Throughout this course, students will use current technologies for adding interactivity to their projects and to participate in the course, to complete projects, and to collaborate with other students. This course is not intended for the beginning computer user.

**Course Name:** **Microsoft Academy – Office User Specialist (Word, Excel, and PowerPoint)**  
**Course Number:** 833Z  
**Duration:** 2 Terms  
**Grade:** 10-12  
**Prerequisites:** Information Technology Applications I & II  
**Note:** 5<sup>th</sup> Period, 44-Minute Class; Pass/fail course. In order to pass, students must pass a certification exam to become a Microsoft Office User Specialist

This is a self-paced course designed to allow students to earn their User Specialist endorsement from Microsoft in Word, Excel, and/or PowerPoint. Students will use their time to complete online curriculum provided by Microsoft. At the completion of the curriculum for each program (i.e. Word, Excel, and PowerPoint) students will test in order to receive a professional certification.

**Course Name:** **Microsoft Academy – Office User Expert (Word, Excel, and PowerPoint)**  
**Course Number:** 834Z  
**Duration:** 2 Terms  
**Grade:** 10-12  
**Prerequisites:** Microsoft Academy Office Specialist certification  
**Note:** 5<sup>th</sup> Period, 44-Minute Class; Pass/fail course. Must be Microsoft Office User Specialist certified. In order to pass, students must pass a certification exam to become a Microsoft Office User Expert.

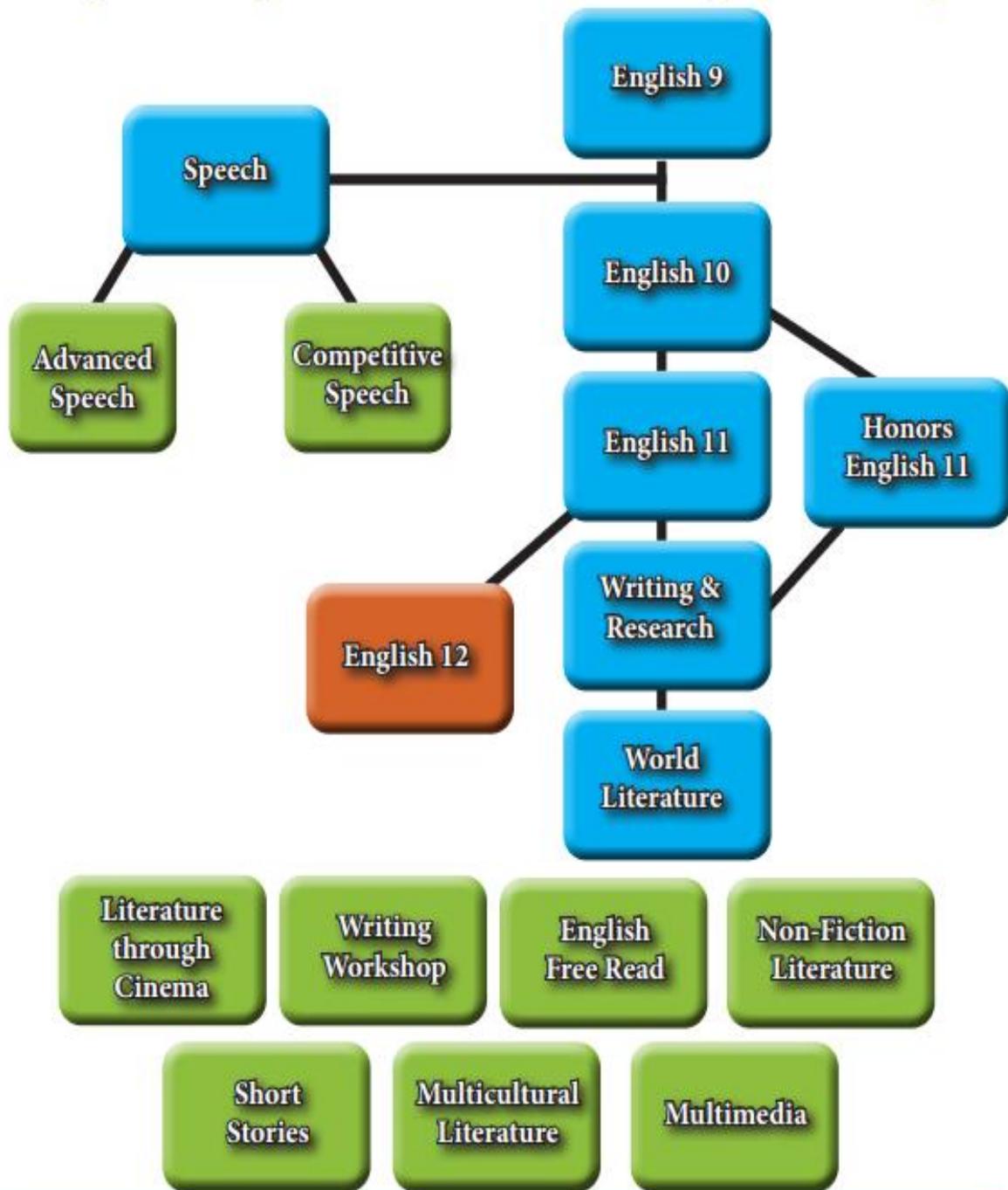
This is a self-paced course designed to allow students to earn their User Expert certification from Microsoft in Word and Excel. Students will complete online curriculum provided by Microsoft. At the completion of the curriculum for each program (i.e. Word and Excel) students will test in order to receive their professional certification.

## English Department

The English department strives to develop important analytical and composition skills necessary for educational and vocational success, as well as an appreciation of literature. Students will develop their reading, writing, listening, speaking, research, and technology skills in order to be successful lifelong learners.

Course #	Course Name	Credits	Grade	Graduation Requirement	Prerequisites	ACT Core	College Prep Recommended
120	English 9	10	9-12	X		X	X
121	English 10	10	10-12	X	English 9	X	X
131	English 11	10	11-12	X	English 10	X	X
132	Honors English 11	10	11		English 10	X	X
145	English 12	10	12	10 Credits	English 11	X	
146	World Literature	5	12		English 11	X	X
147	Writing and Research	5	12		English 11	X	X
151	Speech	5	10-12	X			X
152	Advanced Speech	5	11-12		Speech		
<b>Period 5 Courses</b>							
159Z	Competitive Speech	5	10-12		Speech		
160Z	Multimedia	5	10-12		Teacher Approval		
124Z	Short Stories	5	10-12		"C" or better in previous English courses		
134Z	Multicultural Literature	5	11-12		"C" or better in previous English courses		
126Z	Literature in Cinema	5	10-12		"C" or better in previous English courses		
127Z	English Free Read	P/F	10-12				
128Z	Writing Workshop	P/F					

# English Department Course Sequence Map



## English Graduation Requirements

- English 9
- English 10
- English 11 or Honors English 11
- + 10 Senior English Credits
- Speech
- Students planning to attend a post-secondary institution are encouraged to complete Writing & Research and World Literature.

**Course Name:** English 9  
**Course Number:** 120  
**Duration:** 2 Terms  
**Grade:** 9-12  
**Prerequisites:** None  
**Note:** None

This required course emphasizes students' development in reading comprehension and fluency, in addition to the various modes of writing, academic and content area vocabulary, proper grammar usage, and speaking and listening strategies. This course includes projects covering in-depth analysis and discussion of fiction and non-fiction, poetry, drama, and informative reading materials. Students will practice the various modes of writing (including argument, narrative, literary criticism, and poetry) to specifically improve their academic writing skills through research and writing practices. Students will also complete various vocabulary activities to demonstrate understanding of academic and content-area terminology, in addition to grammar exercises to better understand how to most effectively communicate their ideas. Students successfully completing this course will be prepared to enroll in subsequent English courses.

**Course Name:** English 10  
**Course Number:** 121  
**Duration:** 2 Terms  
**Grade:** 10-12  
**Prerequisites:** English 9  
**Note:** None

This required course introduces students to the major themes of American literature and literary vocabulary through short stories and novels. Students will read a variety of short stories and novels, being exposed to 20<sup>th</sup> century literature. This course emphasizes the development of a variety of writing skills, development of grammar and vocabulary. Students will recognize the use of symbols in literature. Multi-media will be introduced to students through research projects and presentations. Students will write a short research paper.

**Course Name:** English 11  
**Course Number:** 131  
**Duration:** 2 Terms  
**Grade:** 11-12  
**Prerequisites:** English 10  
**Note:** None

English 11 is a required course that continues the development of reading and writing skills, and vocabulary development. Students will review and continue to study the structural elements of the novel, and have the opportunity to read closely and analytically. English 11 readings will explore the idea of the hero, through the classic archetype, the anti-hero, and the Shakespearean tragic hero. They will also read satirical articles and several multi-cultural short stories. Students will receive structure and style instruction in composition, and have a comprehensive review of grammar. Along with several smaller writings, students will write a short research paper and a literature analysis.

**Course Name:** Honors English 11  
**Course Number:** 132  
**Duration:** 2 Terms  
**Grade:** 11  
**Prerequisites:** English 10 and Teacher Recommendation

Note: May take the place of English 11 for graduation requirements. "C" or higher in previous English classes

Honors English 11 focuses on developing the reading and comprehension skills needed for collegiate-level courses, such as an explanation of and practice with analysis, argument, and synthesis, including recognizing how connotation, diction, and tone reveal a writer's attitude or purpose; a short research paper; and a literature analysis. This course will use mythology, poetry, a novel, and a Shakespearean play to examine the concept of hero (classic hero, anti-hero, and tragic hero); poetry and short stories to explore different cultural perspectives; and *Brave New World* and *Fahrenheit 451* to study satire and practice synthesis skills. Students will do more writing, vocabulary study, and complex texts than the standard English 11 course. This class would be helpful to students planning on doing collegiate-level work.

**Course Name:** English 12  
**Course Number:** 145  
**Duration:** 2 Terms  
**Grade:** 12  
**Prerequisites:** English 11  
**Note:** None

The general objectives of the first term will focus on composition skills and enable students to write with mechanical correctness in order to improve their writing skills through a variety of assignments including essay and research writing. The general objectives of the second term will focus on literature through units focused on multiple genres including short stories and novels. Throughout the course, students will engage in vocabulary development using a variety of strategies including context analysis and Greek and Latin roots. Enrollment in this course will be based on performance in English 11 and teacher permission.

**Course Name:** World Literature  
**Course Number:** 146  
**Duration:** 1 Term  
**Grade:** 12  
**Prerequisites:** English 11 or Honors English 11  
**Note:** Students may earn college credit for this course.

In drama, poetry and novel study, the students look at representative works from several genres, periods and cultures, concentrating on works which challenge them to increase their comprehension skills, to develop critical standards for the independent appreciation of any literary work, and to deepen their sensitivity to literature as a shared experience. The students will also continue vocabulary development using a variety of strategies including context analysis and the knowledge of Greek and Latin roots. Students have the opportunity to earn college credit through Concordia University.

**Course Name:** Writing/Research  
**Course Number:** 147  
**Duration:** 1 Term  
**Grade:** 12  
**Prerequisites:** English 11 or Honors English 11  
**Note:** Students may earn college credit for this course.

The general objectives of this course are to enable students to write with mechanical correctness and to practice in order to improve clear writing skills through a variety of assignments including personal, essay, critical and research writing, as well as research-based multimedia presentations. In the research paper assignment, the students will be encouraged to view writing as a developed discipline that includes collecting information, formulating ideas and determining their relationship, drafting paragraphs and arranging them in an appropriate order, and correctly citing and identifying sources. Students have the opportunity to earn college credit through Concordia University.

**Course Name:** **Speech**  
**Course Number:** 151  
**Duration:** 1 or 2 Terms  
**Grade:** 10-12  
**Prerequisites:** None  
**Note:** Offered as a Full Block or 44-Minute Class

This course introduces students to the process of speech communication and public address. Students will research and present speeches developed with basic organizational structures. They will prepare and deliver informative, entertaining, and persuasive speeches, and be required to study a variety of other examples and speech offerings. Units of study will include: communication theory; movement and bodily action; basic organization; use of audiovisual materials for public speaking; voice and listening skills; library research; methods of delivery and leadership skills and group dynamics.

**Course Name:** **Advanced Speech**  
**Course Number:** 152  
**Duration:** 1 Term  
**Grade:** 10-12  
**Prerequisites:** Speech Team Member <https://youtu.be/payGqQBilq>  
**Note:** 5<sup>th</sup> Period, 44-Minute Class; Saturday Speech meets required



This course emphasizes the continued development of speech communication with an emphasis on speeches for competitive events. The desired goals of the speaking assignments are to perfect organizational and research skills and to develop the students' verbal and non-verbal communication skills so that he/she can speak in a clear, coherent and persuasive manner. Students will also experience group problem solving and parliamentary procedure activities. Students will be required to compete in two public competitive events. Units of study will include: group problem solving; organization review; non-verbal technique review; and persuasive and informative speeches.

**Course Name:** **Short Stories**  
**Course Number:** 124Z  
**Duration:** 1 Term  
**Grade:** 10-12  
**Prerequisites:** English 9  
**Note:** 5<sup>th</sup> Period, 44-Minute Class; Not Offered in 2021-2022; Offered in 2022-2023

This advanced elective course focuses on the evolution of short stories as a literary form. While heavily influenced by the American canon, it incorporates noteworthy stories of other countries as well as contemporary works. In this class, students will focus on literary analysis and criticism as well as individual short story composition and writers' workshops.

**Course Name:** **Multicultural Literature**  
Course Number: 134Z  
Duration: 2 Terms  
Grade: 11-12  
Prerequisites: English 9, English 10  
Note: 5<sup>th</sup> Period, 44-Minute Class; Offered in 2021-2022; Not Offered in 2022-2023

As an elective course, Global Literature explores cultures and works not otherwise covered in World Literature. The class would focus primarily on short stories, essays, poems, and TED talks from authors not from American or Great Britain. It includes reading comprehension exercises, literary criticism, and individual composition.

**Course Name:** **Multimedia**  
Course Number: 160Z  
Duration: 2 or 4 Terms  
Grade: 10-12  
Prerequisites: Teacher Approval – Application in January  
Note: 5<sup>th</sup> Period, 44-Minute Class

This course is designed to give students an understanding of print and digital mediums. Students will learn the basics of multimedia writing, editing, photography, videography, and broadcasting arts while engaging in the opportunity to pursue one or two areas in depth. This class will also allow students to engage with an authentic audience through *The Source*, Class Intercom, and Striv TV.

**Course Name:** **English Free Read**  
Course Number: 127Z  
Duration: 2 Terms  
Grade: 10-12  
Prerequisites: None  
Note: 5<sup>th</sup> Period, 44-Minute Class; Pass/Fail

Students in this class will spend 5<sup>th</sup> period reading something they have chosen. They will keep a google doc journal about these fiction or non-fiction books, briefly share what they are reading each week, and write a paragraph twice each term on some aspect of what they are reading. The class will be graded Pass/Fail.

**Course Name:** **Competitive Speech**  
Course Number: 159Z  
Duration: 2 Terms  
Grade: 10-12  
Prerequisites: Speech  
Note: 5<sup>th</sup> Period, 44-Minute Class Offered 3<sup>rd</sup> & 4<sup>th</sup> Terms

This course emphasizes the development of the student as a competitive speaker and is designed for students interested in competitive speech, willing to memorize presentations, and spend time outside of class in competitive events. Students will prepare for a minimum of two of the nine NSAA competitive events, as well as for other contests that are offered.

**Course Name:** **Writing Workshop**  
Course Number: 128Z  
Duration: 2 Terms  
Grade: 10-12

Prerequisites: None  
Note: 5<sup>th</sup> Period, 44-Minute Class; Pass/Fail; Not Offered in 2021-2022;  
Offered in 2022-2023

This course is a creative writing class. Students will explore different genres of writing while providing peer feedback opportunities. Additionally, students in this class will be expected to set goals for their own writing collections (like a portfolio class). All genres are welcome.

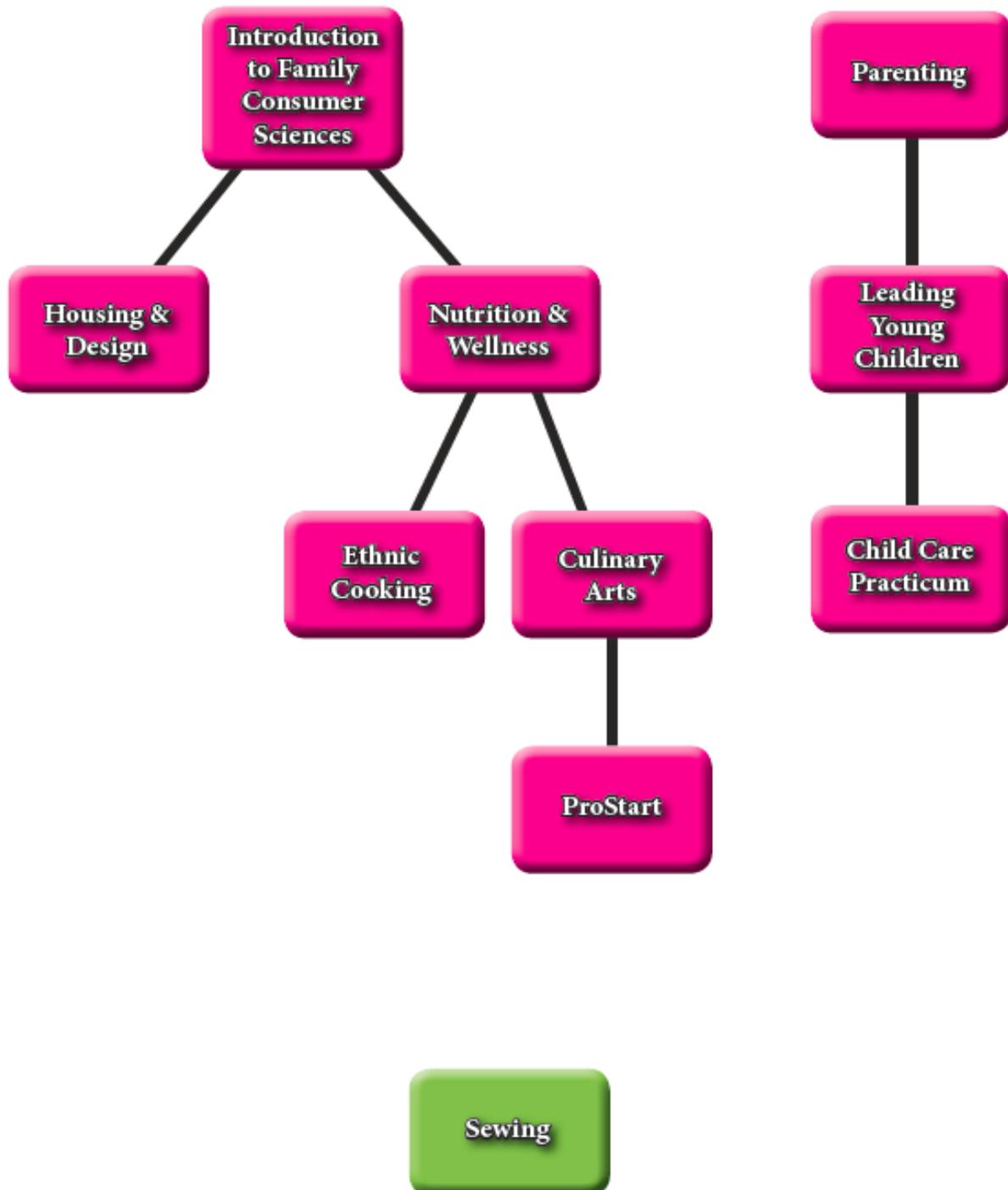
**Course Name:** Literature through Cinema  
Course Number: 126Z  
Duration: 2 Terms  
Grade: 10-12  
Prerequisites: None  
Note: 5<sup>th</sup> Period, 44-Minute Class; Offered in 2021-2022; Not Offered in  
2022-2023

Students will focus on applying literary criticism to film. Through a variety of genres and eras of cinema, students will analyze patterns of symbolism with focus on camera angle, light, sound, and motif. Students will also explore ambiguity, theme, and questions of ethics as presented in movies. Culminating projects are papers and speeches.

# Family & Consumer Sciences Department

Students in Family and Consumer Science classes will gain life skills. The skills learned will vary with each particular class, but each will combine the content with intellectual skills such as reading, writing, concept analysis, practical reasoning and other thinking skills. Family and Consumer Sciences is the only area dealing with the totality of the family, using knowledge to improve the quality of family life.

## Family & Consumer Sciences Department Course Sequence Map



**Course Name:** Introduction to Family and Consumer Science  
**Course Number:** 1223  
**Duration:** 1 Term  
**Grade:** 9-12  
**Prerequisites:** None  
**Note:** None

This course is intended to enable students to have a broad scope of experiences that will provide an overview and fundamental knowledge and essential skills of human sciences with a foundation but not limited to family and consumer sciences. Students will explore career possibilities and develop a personal learning plan. Students will practice basic life and career readiness skills and learn to apply them to personal life situations.

**Course Name:** Nutrition and Wellness  
**Course Number:** 1210  
**Duration:** 1 Term  
**Grade:** 9-12  
**Prerequisites:** Introduction to Family and Consumer Science  
**Note:** Students are charged \$15 per term for consumable supplies.

Students will learn the base foundation of food selection and preparation needed to successfully fuel the human body through the consumption of food and resulting food energy. With a beginning foundation of nutrition, students will learn basic preparation skills and short-term and long-term wellness consequences as a result of nutritional intake. Careers related to the food industry are also explored. Students will also develop a deeper understanding of food safety, measuring equivalents, reading food labels, analyzing dieting practices including eating disorders, and the impacts on food consumption and choices.

**Course Name:** Parenting  
**Course Number:** 1218  
**Duration:** 1 or 2 Terms  
**Grade:** 9-12  
**Prerequisites:** None  
**Note:** 90-minute class or 5<sup>th</sup> Period, 44-Minute Class, Offered 1<sup>st</sup> & 2<sup>nd</sup> Terms

Students will gain insight into the question “What does parenting look like?” through a series of activities. This class discusses the anatomy of both males and females, as well as contraceptive methods with an emphasis on abstinence. Students will follow the development of the unborn from conception to birth, then proceed to study the physical, social, mental, and emotional development of the child from birth to five-years old. Students will study topics of student interest, including fertility, birth defects, labor and delivery, adoption, and the history and theories of child development.

**Course Name:** Leading Young Children  
**Course Number:** 1227  
**Duration:** 1 Term  
**Grade:** 10-12  
**Prerequisites:** Parenting - 86%+ or Instructor Permission  
**Note:** None

Students will gain hands-on experiences related to guiding and directing young children. Part of the term will be spent studying the history of education, theories, careers within early childhood, pre-school environment, and learning experience. The remaining weeks of the term will be spent conducting a pre-school for 3-5 year olds.

**Course Name:** **Child Care Practicum**  
**Course Number:** 1242  
**Duration:** 1 Term  
**Grade:** 11-12  
**Prerequisites:** Leading Young Children: 86%+ & Instructor Approval  
**Note:** None

Students will apply principles gained in previous classes. Students will explore early childhood careers and the different types of programs offered (birth-third grade.) Observation of assessment and field-based classroom observation is also present in class. This is a hands-on activity where students work with children either in a day-care or school setting carrying out the tasks designated by the teacher/supervisor. Possible work sites include an elementary school and/or a day-care facility.

**Course Name:** **Housing and Interior Design**  
**Course Number:** 1231  
**Duration:** 1 Term  
**Grade:** 10-12  
**Prerequisites:** Introduction to Family and Consumer Science  
**Note:** Offered in 2021-2022; Not Offered in 2022-2023

This course provides instruction in the physical, physiological, and social influences of housing styles and options; exterior and interior design; selection, use, and care of home furnishings and equipment; use of available resources for achieving improved living space to meet individual and family needs; and exposure to careers related to housing and interior design.

**Course Name:** **Culinary Arts**  
**Course Number:** 1229  
**Duration:** 1 Term  
**Grade:** 11-12  
**Prerequisites:** Nutrition and Wellness or Sports Nutrition: 86%+ or Instructor Permission  
**Note:** Students are charged \$20 per term for consumable supplies.

This course is designed to provide students with curriculum, which is focused on the food-service industry and provides training in workplace and culinary skills, baked skills, food safety and sanitation, interpersonal and communication skills, as well as an exposure to the areas of restaurant management and career exploration.

**Course Name:** **Pro Start 1**  
**Course Number:** 1228  
**Duration:** 1 Term  
**Grade:** 11-12  
**Prerequisites:** Culinary Arts: 86%+ or Instructor Permission  
**Note:** Students are charged \$20 per term for consumable supplies. Not Offered in 2021-2022; Offered in 2022-2023

Pro Start gives students the opportunity to learn management and culinary skills needed for a career in the food service industry. Class materials are provided by the National Restaurant Association Educational Foundation. In addition, there is an emphasis on safety and sanitation, management, and customer service.

**Course Name:** **Ethnic Cooking**  
**Course Number:** 1215  
**Duration:** 1 Term  
**Grade:** 10-12 <https://youtu.be/GyYQd7lv-hq>  
**Prerequisites:** Foods/Nutrition Course, Introduction to FCS  
**Note:** Students are charged \$15 per term for consumable supplies. Offered in 2021-2022; Offered in 2022-2023



Students will study the foods from around the world and become more familiar with their culture by studying the people, the geography/climate of the country; and family customs/beliefs. Students will learn new cooking techniques as they make foods common to the region.

**Course Name:** **Sewing (Textiles, Construction, and Design)**  
**Course Number:** 1244Z  
**Duration:** 2 Terms  
**Grade:** 10-12  
**Prerequisites:** None  
**Note:** 5<sup>th</sup> Period, 44-Minute Class 3<sup>rd</sup> & 4<sup>th</sup> Terms

This class is designed to read technical directions related to constructing items using the sewing machine. Students will need to purchase their own materials to construct projects throughout the semester (soup cozy, car trash bag, pencil bags, etc.) Sewing machines will be provided. The class will take the students through the history of sewing, textile production, sewing machine parts, safety, and hands-on application.

# Mathematics Department

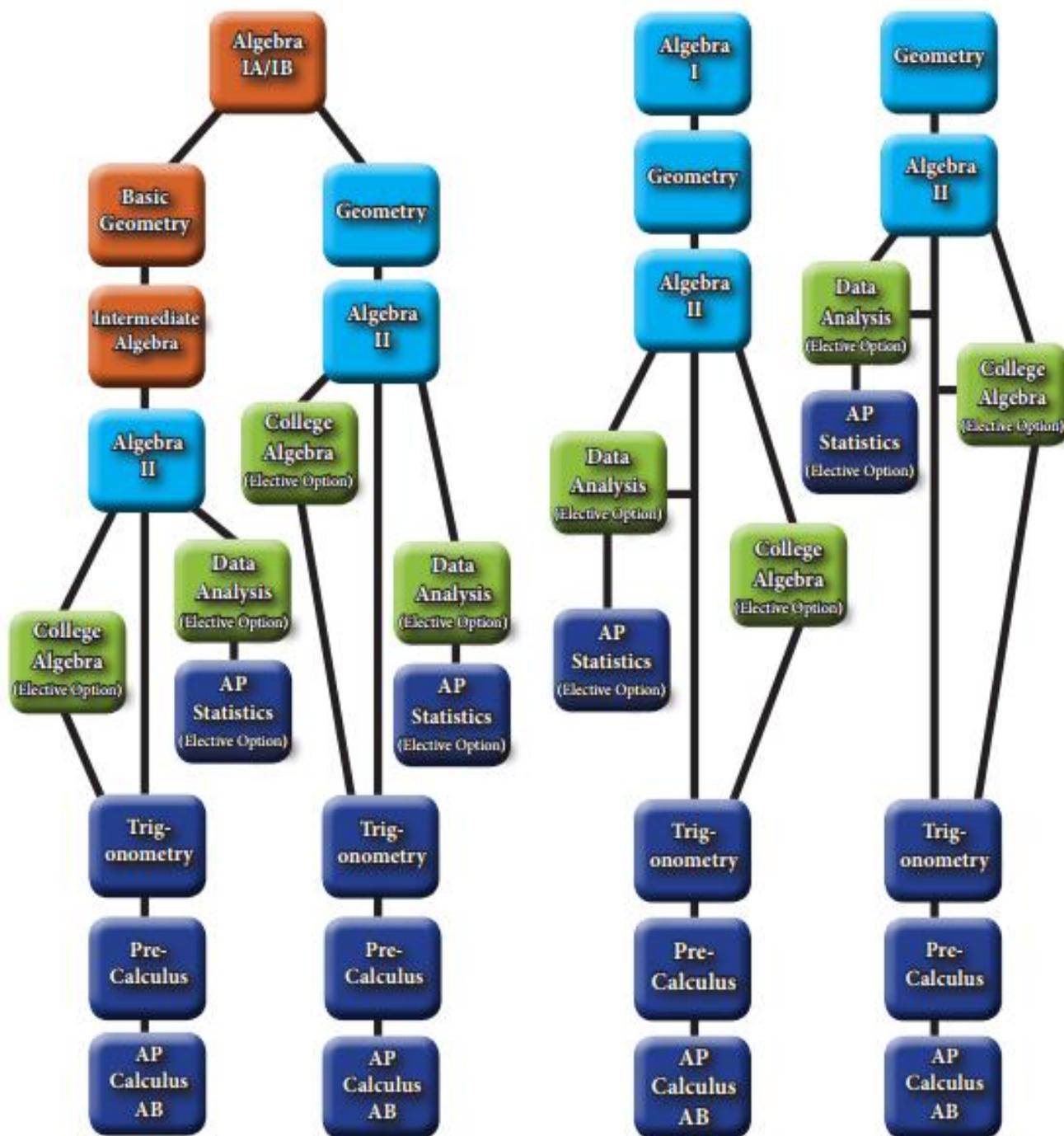
The math curriculum begins with the philosophy that mathematics is an essential continual process in every aspect of a person's professional and personal life. The Seward High School program seeks to make math relevant by moving students from their experiences in the real world to the world of math through the use of manipulative and technological advances (calculators, computers, etc.). The math program focuses on practical mathematics that students can appreciate, relate to, and use as a consumer or professional.

The mathematics department is responsible for assessing individual student achievement on Nebraska State Standards regarding mathematics. The ACT will be taken in the spring of a student's junior year. Therefore, students must strive to enroll in (as a minimum) Intermediate Algebra or Algebra II by the end of their junior year of high school.

The math program has six separate but interrelated goals: to teach sound mathematical skills; to provide for individual differences; to allow each student to experience a sense of achievement; to provide distributive practice on all objectives; to provide opportunities for students to demonstrate mathematical comprehension through writing; and to provide problem solving skills in all classes.

Course #	Course Name	Credits	Prerequisites	ACT Core	College Prep Recommended
233/234	Algebra IA/Algebra IB	20		X	X
230	Algebra I	10		X	X
220	Basic Geometry	10	Algebra I or IA/IB	X	
221	Geometry	10	Algebra I or IA/IB	X	X
250	Intermediate Algebra	10	Basic Geometry or Geometry	X	X
231	Algebra II	10	Geometry or Intermediate Algebra	X	X
251	College Career Readiness Math	10	Algebra I or IA/IB; Basic Geometry or Geometry; Intermediate Algebra or Algebra II; teacher permission		X
239	College Algebra (Student/Parent Expense)	5	Algebra II	X	X
247	Data Analysis	5	Algebra II	X	X
241	Trigonometry	5	Algebra II	X	X
245	Pre-Calculus	5	Trigonometry	X	X
244	AP Calculus AB	15	Pre-Calculus	X	X
248	AP Statistics	5	Data Analysis	X	X
9028	Calculus II (Concordia Campus) (Student/Parent Expense)	0	AP Calculus AB	X	X

# Math Department Course Sequence Map



**Math Graduation Requirements**

- 30 Credits
- Students planning to attend a post-secondary education institution are encouraged to complete math course work through Algebra II at a minimum. Students planning to attend a four-year college are strongly encouraged to complete math course work through, at least, Pre-Calculus.
- All Juniors are strongly encouraged to be enrolled in two terms of math.

**Calculus II**  
(Concordia University)  
(Elective Option)  
Student/Parent pay tuition/book fees from Concordia

**Course Name:** Algebra IA/Algebra IB  
**Course Number:** 233/234  
**Duration:** 4 Terms  
**Grade:** NA  
**Prerequisites:** None  
**Note:** None

This course will cover the same material as Algebra I, but will proceed at a slower pace. Students will continue to develop their algebraic skills, expand their understanding of mathematical concepts, improve logical thinking, and use connections to geometric concepts. A student will take either Algebra I or Algebra IA/IB, but not both.

**Course Name:** Algebra I  
**Course Number:** 230  
**Duration:** 2 Terms  
**Grade:** NA  
**Prerequisites:** None  
**Note:** None

Students will continue to develop their mathematical skills, including solving, graphing, and understanding equations. Students will learn about each family of functions, with emphasis on linear and quadratic functions. Students will learn to model real-world situations using mathematical functions. There will also be lessons on probability and data analysis.

**Course Name:** Basic Geometry  
**Course Number:** 220  
**Duration:** 2 Terms  
**Grade:** NA  
**Prerequisites:** Algebra I or Algebra IA/IB  
**Note:** Basic Geometry is not intended for the student preparing to attend a 4-year college; it is intended for students completing Algebra IA/IB or earning a "D" in Algebra I. If a geometry course has not been previously completed, a student will be enrolled in Basic Geometry during their junior year to prepare for the required state ACT.

This course will cover the same basic material as geometry, but will not be as in-depth. There will be more emphasis on algebra-based geometry and less emphasis on theorem-based geometry.

**Course Name:** Geometry  
**Course Number:** 221  
**Duration:** 2 Terms  
**Grade:** NA  
**Prerequisites:** Algebra I or IA/IB or MS Equivalent  
**Note:** Students are recommended to have earned a "C" or better in Algebra I.

This course is the study of two- and three-dimensional figures where students work with problem situations and apply properties to these figures. Students develop an understanding of a theorem-based geometry system through exploration, application, and proof. Exploration will involve constructions, technology, and algebraic skills. All activities develop and reinforce logical reasoning skills.

**Course Name:** Intermediate Algebra  
**Course Number:** 250  
**Duration:** 2 Terms  
**Grade:** NA  
**Prerequisites:** Geometry or Basic Geometry  
**Note:** None

This course offers a review of algebra and geometric concepts, concepts will be viewed arithmetically through numerical computation (extensive use of calculator), geometrically with graphic representation, and algebraically by writing and solving of equations. This course is intended for those students who would have trouble with the traditional Algebra II course. The course will help prepare the student to take Algebra II the following terms and help prepare students to take the ACT Test.

**Course Name:** College Career Readiness Math (CCRM)  
**Course Number:** 251  
**Duration:** 2 Terms  
**Grade:** 11-12  
**Prerequisites:** Algebra I, IA/IB; Basic Geometry or Geometry; Intermediate Algebra or Algebra II  
**Note:** None

This course presents basic computational and intermediate algebra skills, offering juniors and seniors an opportunity to improve math skills before entering into post-secondary education. Topics include fractions, decimals, ratios, proportions, percent, operations with integers, problem solving, estimation, solving linear equations and inequalities, integer exponents, operations with polynomials, factoring rational expressions, equations of lines, graphing equations/inequalities, and basic study skills. Topics also include geometry measurement. The course is graded as pass/fail determined by course completion and benchmarks.

**Course Name:** Algebra II  
**Course Number:** 231  
**Duration:** 2 Terms  
**Grade:** NA  
**Prerequisites:** Geometry or Intermediate Algebra  
**Note:** Students are recommended to have completed Geometry and/or Intermediate Algebra with a "C" or better.

The emphasis of this course is the understanding of both practical and theoretical mathematics. There is a review of basic algebraic techniques and manipulations at the beginning of the course. Topics in the course include: matrices and determinants; quadratic functions and their graphs; permutations, combinations and probability; logarithmic and exponential functions; and complex numbers. This course is designed to meet the needs of the college-bound student, preparing those students for additional high school and college mathematics and science.

**Course Name:** College Algebra  
**Course Number:** 239  
**Duration:** 1 Term  
**Grade:** 10-12  
**Prerequisites:** Algebra II  
**Note:** The class is designed for students who do not need or want to take Trigonometry or Pre-Calculus/AP Calculus. Students may earn college credit for this course. Student is responsible for college costs.

The course is a continuation of topics from Algebra II. Topics of study include algebraic equations and inequalities, absolute value, polynomial, rational, exponential and logarithmic functions, conic sections, systems of equations and inequalities. Additional topics may include sequences and series, combinatorics, probability and mathematical induction. Students have the opportunity to gain college credit through Southeast Community College if Algebra II grade is 80% or higher or ACT Math score is 23+.

**Course Name:** **Data Analysis**

Course Number: 247  
Duration: 1 Term  
Grade: NA  
Prerequisites: Algebra II  
Note: None

This course is an introductory course in statistics. Students will describe existing data, produce data, and then draw conclusions based on data. Technology is used throughout the course in doing statistical analysis, presenting, and understanding data. This course is directed to juniors and seniors who plan to attend college but may not be bound for a traditional calculus sequence. This course will prepare students for an entry-level college statistics course.

**Course Name:** **Trigonometry**

Course Number: 241  
Duration: 1 Term  
Grade: NA  
Prerequisites: Algebra II  
Note: Students are recommended to have completed Algebra II with a "C" or better.

This course is intended as an extension of Algebra II. The student will continue to study functions (in particular, trigonometric functions) preparing her/him for the study of post-secondary mathematics. Students who complete this course should be prepared for pre-calculus, calculus, and other college mathematics courses. There will be an extensive use of calculators.

**Course Name:** **Pre-Calculus**

Course Number: 245  
Duration: 1 Term  
Grade: NA  
Prerequisites: Trigonometry  
Note: Students are recommended to have completed Trigonometry with a "C" or better.

Students will study topics of Algebra II and trigonometry; functions (rational, exponential, and logarithmic), and coordinate geometry. Students will also be introduced to limits and experience the interrelationship between algebra, geometry, and trigonometry. Students who complete this course should be prepared for calculus and other college mathematics courses.

**Course Name:** **Advanced Placement Calculus**

Course Number: 244  
Duration: 3 Terms  
Grade: NA  
Prerequisites: Pre-Calculus  
Note: Dual Credit available through Concordia University-Seward or Nebraska Wesleyan University. Students are recommended to have

completed Pre-Calculus with a “C” or better. Student is responsible for college costs.

This course is intended for students who have exhibited a talent in mathematics. It consists of working in calculus and related topics comparable to courses in colleges and universities. The completion of the course may lead to a student earning college credit by successfully completing the Advanced Placement examination given by the College Board or by meeting criteria established by an individual college or university.

<b>Course Name:</b>	<b>Advanced Placement Statistics</b>
Course Number:	248
Duration:	1 Term
Grade:	11-12
Prerequisites:	Data Analysis
Note:	None

The Advanced Placement Statistics course consists of statistical concepts including exploring data, sampling and experimentation, anticipating patterns, and statistical inference. Students who successfully complete the Advanced Placement examination may receive credit and/or advanced placement for a one-semester introductory college statistics course at many colleges and universities. Completion of this course will prepare students to take the Advanced Placement Statistics exam.

# Music Department

The Seward High Music department offers a variety of classes for both trained musicians and non-musicians. Within the music department, we offer numerous different performing ensembles, whether it is vocal or instrumental, as well as music appreciation, music theory, and electronic music classes. We believe that music is science, math, foreign language, history, and physical education, but most of all music is art. It allows a person to take all of the above and use those skills to express feelings and emotion.

## Music Department Course Sequence Map



**Course Name:** **Marching Band**  
**Course Number:** 1414A  
**Duration:** 2 Terms  
**Grade:** 9-12  
**Prerequisites:** None  
**Note:** 2 Term Class Only, Offered 1<sup>st</sup> & 2<sup>nd</sup> Terms

During the summer and fall, the large ensemble of the Seward High Band program functions exclusively as a marching band. The students will perform a selected field show at home varsity football games (usually on Friday nights) and marching contests throughout the fall (usually Saturdays in September and October) and may also perform in local parades. Fundamentals in marching and music execution are emphasized and developed as the students work as a team. The student leadership team (section leaders and drum majors) is selected in the spring and band camp is held in the summer. Marching band rehearsals begin at 7:45 a.m. during the first term. Students will also be assigned to pep band during 1<sup>st</sup> and 2<sup>nd</sup> terms. Since performances are a part of the students' grades, all students are expected to attend all performances. During second term, marching band members will perform as a symphonic band for a holiday concert in December.

**Course Name:** **Symphonic Band**  
**Course Number:** 1416A  
**Duration:** 2 Terms  
**Grade:** 9-12  
**Prerequisites:** None  
**Note:** 2 Term Class Only, Offered 3<sup>rd</sup> & 4<sup>th</sup> Terms

The Symphonic Band is the non-auditioned ensemble of the Seward High Band Program. Students will perform a variety of traditional and contemporary musical repertoire. Students will develop proficiency in advanced instrumental music fundamentals including tone production, balance, blend, intonation, technique, and musical expression. Students will also develop knowledge of music history as related to selected repertoire. The Symphonic Band performs throughout the year, including at the district music contest in the spring. Students will have the opportunity to prepare and perform in small groups or as soloists. Students will also be assigned to pep band during 3<sup>rd</sup> term. Since performances are a part of the students' grades, all students are expected to attend all performances.

**Course Name:** **Choir**  
**Course Number:** 1426B (Semester 1)/1427B (Semester 2)  
**Duration:** 2 Terms  
**Grade:** 9-12  
**Prerequisites:** None  
**Note:** None

Mixed Chorus is open to any student in grades 9-12. The singers must have the ability or strong desire to sing in a large musical ensemble. Singers will be expected to continue their choral music experience while studying all aspects of choral music and literature. Singers will be required to participate in all concerts. Students will have the opportunity to audition for the musical production and the Seward High Singers Show Choir.

**Course Name:** History of Pop Music (Ragtime to Rock-N-Roll)  
**Course Number:** 1431  
**Duration:** 1 Term (1 Semester if Taken as a Period 1A Skinny)  
**Grade:** 9-12  
**Prerequisites:** None  
**Note:** Ragtime to Rock-N-Roll

This course will cover the evolution of American popular music from the late 1800's to the present. The styles to be covered will be ragtime & blues, jazz & big band, folk music, country, rock-n-roll, and rock music. This course introduces and exposes the students to the various styles of music that have grown from the cultures and history of the U.S. and its peoples.

**Course Name:** History of Pop Music II (The Rock Years)  
**Course Number:** 1433  
**Duration:** 1 Term  
**Grade:** 9-12  
**Prerequisites:** Pop Music or Teacher Permission  
**Note:** None

This class picks up where Pop Music leaves off. It begins with the pre-history of rock-n-roll and ventures into rock music from the 1950-2000s, from rock-n-roll to hip hop. Students will receive a more in depth look at the music itself, the industry, and the history surrounding the music they listen to today. Students will participate in analytical listening curriculum, listen for form and lyric content, and study vocabulary pertinent to the music business.

**Course Name:** Introduction to Musical Theater  
**Course Number:** 1432  
**Duration:** 1 Term  
**Grade:** 10-12  
**Prerequisites:** None  
**Note:** Offered 3<sup>rd</sup> Term Only

This class will trace the history of American Musical Theater from 1866 to the present. Areas to be covered are the book, lyrics, songs, musical score, dance and production in musicals from 1920-1990. Students will also have hands-on experience working on the annual musical production. This includes set design, props, advertising and publicity, costuming, and actual backstage performance experience.

**Course Name:** Electronic Music/Garage Band  
**Course Number:** 1428  
**Duration:** 1 Term  
**Grade:** 9-12  
**Prerequisites:** None  
**Note:** None

Students will be introduced to and develop proficiency in using Garage Band and iMovie. Students will create digital publications, which will include music compositions, movie soundtracks, and digital slideshows. Digital projects will be completed individually and in cooperative learning groups. Students will also develop an understanding of music literacy and music appreciation.

**Course Name:** Music Theory  
**Course Number:** 1405  
**Duration:** 2 Terms  
**Grade:** 10-12

Prerequisites: Music Students Only / By instructor's permission  
Note: Students may earn college credit for this course.

Music Theory serves as a preparation course for students who plan to major or minor in music in college. Students will be introduced to and develop proficiency in the fundamentals of music theory and history. These include basic notation, scales and key signatures, intervals, chord and harmonic analysis, chord progressions, form analysis, and composition/part writing. Basic keyboarding skills will be introduced. Ear training exercises that correspond with each unit of study will be utilized to develop aural skills. Students have the opportunity to earn college credit through Concordia University.

**Course Name:** Jazz Band  
**Course Number:** 14071B/14072B  
**Duration:** 4 Terms  
**Grade:** 9-12  
**Prerequisites:** Audition Only  
**Note:** 44-Minute Class (Period 1B Skinny)

The Jazz Ensemble explores the art of jazz and its various forms and styles. Membership is determined by audition and/or permission of the instructor. Jazz Band members will focus on mastering various jazz fundamentals, including rhythm and articulation, improvisation, technique, blues progressions, comparing and contrasting styles, and theory concepts. Students will perform a variety of jazz styles (swing, blues, Latin, big band, etc.). Since performances are a part of the students' grades, all students are expected to attend all performances.

Students auditioning for jazz band are expected to be part of the ensemble for both semesters. If this does not work with the student's schedule, arrangements must be made prior to the student's acceptance in the ensemble.

**Course Name:** Wind Ensemble  
**Course Number:** 1418Z  
**Duration:** 4 Terms  
**Grade:** 10-12  
**Prerequisites:** Audition Only  
**Note:** 5<sup>th</sup> Period, 44-Minute Class

The Wind Ensemble is an audition band that is for the serious high school band member. Members will play a large variety of challenging music from various different styles. Students will develop proficiency in advanced instrumental music fundamentals including tone production, balance, blend, intonation, technique, and musical expression. Students will also develop knowledge of music history as related to selected repertoire. The wind ensemble performs throughout the year, including the district music contest in the spring. Since performances are a part of the students' grades, all students are expected to attend all performances.

Students auditioning for wind ensemble are expected to be part of the ensemble for both semesters. If this does not work with the student's schedule, arrangements must be made prior to the student's acceptance in the ensemble.

**Course Name:** Vocal Performance  
**Course Number:** 1439  
**Duration:** 1 Term  
**Grade:** 10-12  
**Prerequisites:** By permission

Note: Offered 1st Term Only; Must try out for All-State; Students are charged \$20 for supplies.

This class is designed for vocal students who will be auditioning for All-State Choir, college scholarships, various honor groups as well as the students looking to improve their solo proficiency. Focus will be on the all-state repertoire, sight singing, small group (Chamber music) singing, and National Anthem performances.

Students will work with the group and individually during the week. Most of the solo music will be provided from the vocal music library, unless the student has something special to prepare. Students will be guided in critical listening skills and be asked to critique class performances using district music contest criteria. All students will perform a prepared piece for the class for their final.

**Course Name:** Select Choir  
**Course Number:** 1411Z  
**Duration:** 4 Terms  
**Grade:** 10-12  
**Prerequisites:** Audition Only  
**Note:** 5<sup>th</sup> Period, 44-Minute Class

Select Choir is an auditioned choir for the serious high school singer. Repertoire will be of a challenging nature and encourage students to push themselves musically. Students will perform works in other languages along with acapella and accompanied works. Students will be chosen from the choir to audition for the Nebraska All State Choir, other honor choirs, individual ensemble, and solo work. Students will be required to perform in all scheduled concerts and District Music Contest.

**Course Name:** Instrumental Technique  
**Course Number:** 1440  
**Duration:** 1 Term  
**Grade:** 9-12  
**Prerequisites:** By permission  
**Note:** Offered 1st Term Only

This class is designed for students who wish to improve their instrumental playing. Individual sessions will take place throughout the term. Students who wish to audition for All State Band will work on their audition materials and be assessed a \$20 audition fee. Other students may use this class time to learn a secondary instrument or to advance their skills on their primary instrument. All students' learning goals will be matched to their individual ability. Students will prepare a solo and perform for the class for the final, and evaluate solos using district music contest criteria.

**Course Name:** Madrigal Choir  
**Course Number:** 1412  
**Duration:** 1 Term  
**Grade:** 10-12  
**Prerequisites:** One Year of Choir or Instructor Permission  
**Note:** Offered 2<sup>nd</sup> Term Only

Students will be introduced to the history and relevance of the madrigal style. Students must have the ability or desire to sing in a small group, possibly a capella or with one singer on each part. This group will focus on singing in the madrigal style and will work to perform locally for Christmas events as well as for the Christmas concert. Students will be required to participate in all outside-of-class performances.

**Course Name:** **Vocal Jazz**  
**Course Number:** 1413  
**Duration:** 1 Term  
**Grade:** 10-12  
**Prerequisites:** One Year of Choir or Instructor Permission (Possibly Audition Only)  
**Note:** Offered 3<sup>rd</sup> Term Only

Students will develop vocal performance skills in the areas of a cappella and jazz singing. Students will explore the history of jazz singing and provide opportunities to perform in smaller a cappella singing groups. Students must have the ability or desire to sing in a small group, possibly with one singer on each part. Students will perform for district music contest, the final spring concert, and possibly other events, if applicable. Students will be required to participate in all outside-of-class performances.

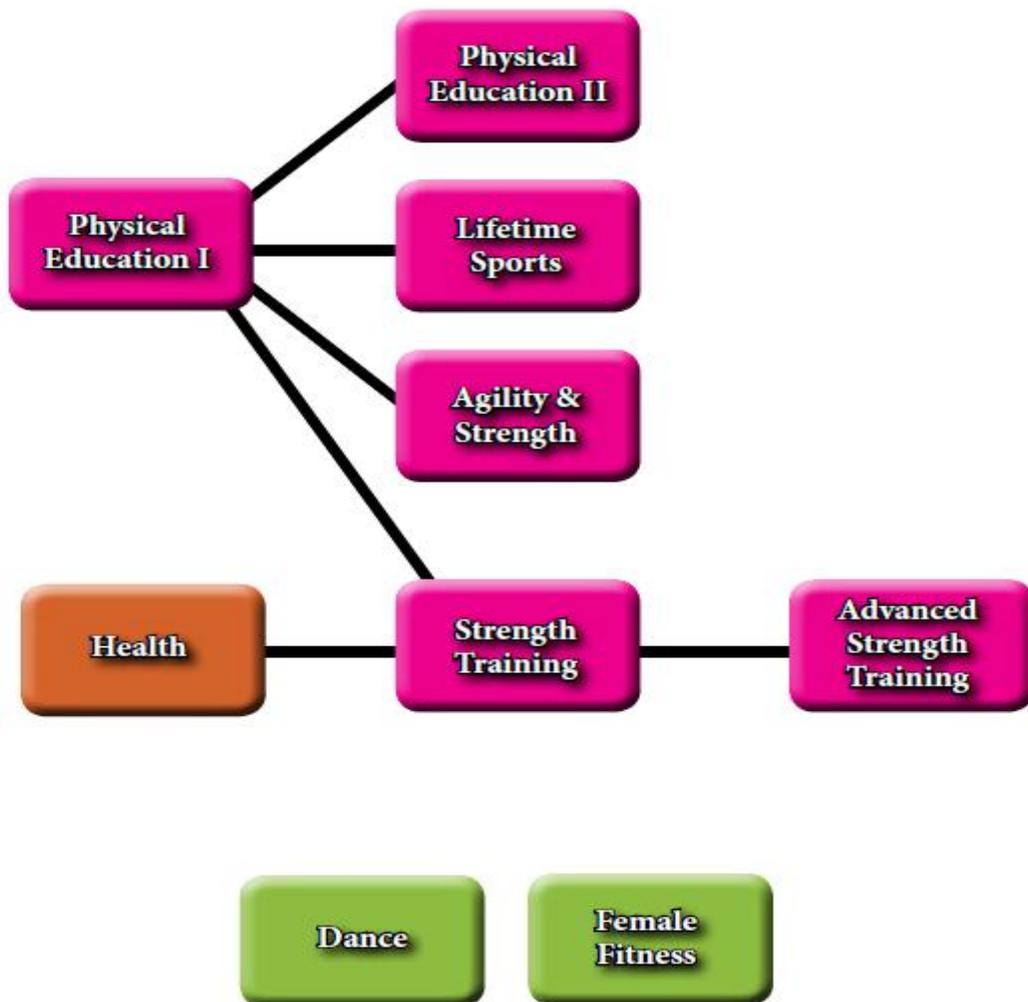
### **Band / Choir Skinny Pathways for 2021-2022 (Subject to Change)**

Grade	Semester 1		Semester 2	
	Period IA	Period IB	Period IA	Period IB
<b>9</b>	PE I	PE I	Health	Health
	March/Symph Band	Choir	Info Tech Apps I	Info Tech Apps I
	Info Tech Apps I	Info Tech Apps I	Symphonic Band	Choir
	History of Pop Music	Jazz Band		Jazz Band
<b>Grades 10-12</b>	March/Symph Band	Choir	Symphonic Band	Choir
	Speech	Speech	Speech	Speech
		Jazz Band	History of Pop Music	Jazz Band
	Strength Training	Strength Training	Strength Training	Strength Training
	Personal Finance	Personal Finance	Personal Finance	Personal Finance
	Portfolio Adv. Study	Portfolio Adv. Study	Lifetime Sports	Lifetime Sports
	History of Pop Music		Portfolio Adv. Study	Portfolio Adv. Study
	Info Tech Apps I	Info Tech Apps I	Vocal Jazz	

# Physical Education Department

The basic objectives of the Physical Education Department are to assist in the physical development of the students and to provide skill instruction in a variety of activities. Individual and team sports are the focal points of the curriculum. PE I focuses on team sports, physical development, game skill, and knowledge. Health focuses on the use of healthful living through preventative techniques. PE II focuses on team and individual sports, conditioning, and individual improvement. Lifetime Sports focuses more on individual sports and self-testing in personal development. Strength Training focuses on individual conditioning, nutritional training, and creating a better self-image.

## Physical Education Department Course Sequence Map



**Physical Education Graduation Requirements**

- 15 Hours
- Health which is included in the 15 required hours.

**Course Name:** PE I  
**Course Number:** 1528  
**Duration:** 1 Term  
**Grade:** 9-12  
**Prerequisites:** None  
**Note:** None

Basic skill development, physical activity, and knowledge of rules in various team and individual sports will be the focus of the class. Emphasis will be placed on fitness and enjoyment of the different units. Students will also participate in fitness testing to measure their improvements throughout the unit. Lifestyle habits and life skills including body composition, sportsmanship, nutrition, heart rate activities, and the benefits of leading a healthy lifestyle will also be a major part of this class. Activities may include: fitness testing, soccer, volleyball, bowling, badminton, pickle ball, softball, basketball, conditioning games, and ultimate sports.

**Course Name:** Health  
**Course Number:** 1527  
**Duration:** 1 Term  
**Grade:** 9-12  
**Prerequisites:** None  
**Note:** None

Healthful living through preventive techniques will be stressed. The units taught in the class will focus on decision-making and skill building that will help students make informed decisions. Units include: Taking Charge of your Health, Achieving Mental and Emotional Health, Managing Stress and Coping with Loss, Mental and Emotional Problems, Healthy Relationships, Peer Relationships, Preventing Conflicts and Violence, Nutrition, Personal Health Care, Tobacco, Alcohol, Illegal Drugs, HIV and AIDS, Environmental Health, and Human Sexuality. The major theme of the Human Sexuality Unit will be abstinence, but other options will be discussed. Each student will have the option to opt out of this unit and have alternative assignments per parental request.

**Course Name:** Lifetime Sports  
**Course Number:** 1535/1535A/1535B  
**Duration:** 1 Term  
**Grade:** 9-12  
**Prerequisites:** PE I; 86+ to repeat  
**Note:** Offered as a full block or a 44-Minute Class; Students will be charged for the use of the bowling alley.

Lifetime Sports is a class designed to give students a chance to pursue their own interests in physical activities. Various individual sports are introduced along with developing one's personal fitness. The following activities will be introduced: golf, net games, badminton, softball, basketball, bowling, and wiffleball. In addition to activity, the rules and strategies of each sport are covered. Officiating and sports health may also be part of the class.

**Course Name:** PE II  
**Course Number:** 1529Z  
**Duration:** 1 Term  
**Grade:** 10-12  
**Prerequisites:** PE I  
**Note:** 5<sup>th</sup> Period, 44-Minute Class

Physical development will be the focus of this class along with individual and team game skill activities. Vigorous activity will be expected for the optimum development of strength, endurance, coordination, agility, and speed. Skill instruction will be presented in a variety of team and individual sports skills that are useful for present practice as well as future enjoyment. Among these could be bowling, basketball, volleyball, softball, soccer, badminton, and ultimate sports.

**Course Name:** Strength Training  
**Course Number:** 1532  
**Duration:** 1 Term  
**Grade:** 9-12  
**Prerequisites:** PE I & Health; 86%+ to repeat  
**Note:** 9<sup>th</sup> Graders Need Instructor's Permission or have taken and passed PE I in a prior term

Strength Training is designed to benefit both the athlete and non-athlete. This class is designed to implement the need of the student, whether that is conditioning for a sport or improving one's physique by training and learning good nutritional values. This course will contain units in weight training, nutrition, speed, and agility training. Strength Training is a discipline-based course which will integrate the following themes: understanding weight lifting; setting up a program designed to individual needs; endurance training; speed, and agility training; nutritional needs; and anatomy and physiology (effects of strength training).

Students will be asked what needs they expect to fulfill at the beginning of this class and then a program geared toward this goal will be designed. On alternate days from their program, speed workouts will also be incorporated into the class. In addition to these physical attributes of the class, some class study on anatomy and physiology that pertains to strength training may be discussed. Students who have not taken the course will be given priority over students who have taken the course a previous term if requests are above the enrollment limit. Freshmen will be able to take this class if given permission from a coach or PE I was taken and passed in a prior term.

**Course Name:** Advanced Strength Training  
**Course Number:** 1533Z  
**Duration:** 2 Terms  
**Grade:** 11-12  
**Prerequisites:** Strength Training & Instructor Approval; 86%+ to repeat  
**Note:** 5<sup>th</sup> Period, 44-Minute Class

Advanced Strength Training has higher expectations and increased content in all of the areas listed in the Strength Training class. Some of the areas will be expanded through textbooks and websites geared toward applied learning. Plyometrics will also be addressed in the framework of this class. This class should only be taken by students who want to advance to the next level in physical well-being.

**Course Name:** **Agility and Strength**

Course Number: 1532  
Duration: 1 Term  
Grade: 10-12  
Prerequisites: PE I  
Note:

Agility and Strength will be a combination between fitness, game skills and strength training. Half of the class time will be spent working on fitness and game skills while the other half of the block will be spent learning the skills needed to gain speed, strength and muscular endurance. During the fitness element of this class you will be working on developing your fitness, while at the same time learning team and individual sports. Some of the units taught during this term will be basketball, volleyball, badminton, soccer, softball and ultimate sports. During the strength-training portion of this class you will be learning about nutrition, strength and speed development. Each student will be expected to develop a program based upon what they want to accomplish out of this class.

**Course Name:** **Dance**

Course Number: 1530Z  
Duration: 2 Terms  
Grade: 10-12  
Prerequisites: None  
Note: 5<sup>th</sup> Period, 44-Minute Class

This course for juniors and seniors is designed to teach a variety of dances. Students will be exposed to line dances, polka, swing, waltz, salsa, and more. All students are both encouraged to register. Cooperation and teamwork is a requirement.

**Course Name:** **Female Fitness**

Course Number: 1531Z  
Duration: 2 Terms  
Grade: 10-12  
Prerequisites: None  
Note: 5<sup>th</sup> Period, 44-Minute Class

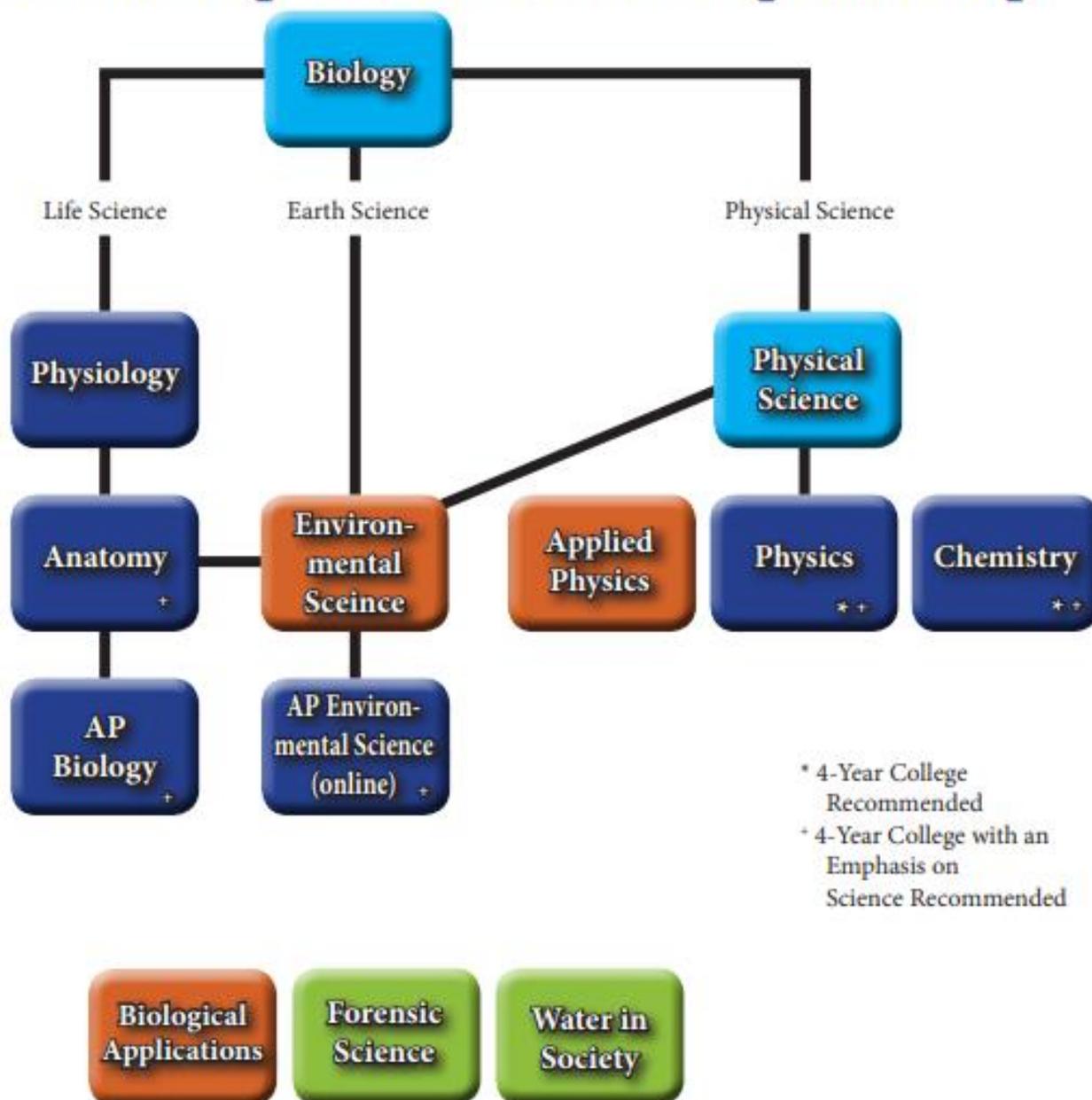
This course is designed to give females a variety of different lifelong physical fitness opportunities. The emphasis will be on learning new and fun ways of exercising and will target all areas of fitness (cardio, strength and flexibility). The course will include activities such as yoga, pilates, kick-boxing, aerobics, zumba, tae-bo, and more.

## Science Department

Science courses at Seward High School seek to provide rigorous academic and quality laboratory experience for all students. Our courses are aligned with state standards and are delivered in an environment that provides rich, multimodal opportunities for all students to access content information. Laboratory activities enhance this environment and allow students to apply content knowledge to real problems. An integral part of this curriculum is to promote an understanding of the interconnections within the sciences and the interactions among science, technology, and the environment.

Course #	Course Name	Credits	Grade	Graduation Requirement	Prerequisites	ACT Core	College Prep Recommended
320	Biology	10	9-12	X		X	X
331	Physical Science	10	10-12	X		X	X
342	Chemistry	10	11-12	10 Credits	Algebra II	X	X
332	Physics	10	11-12		Algebra II	X	X
333	Applied Physics	10	11-12		Geometry or Basic Geometry		
340	Environmental Science	10	10-12		Biology		
321	Biological Applications	5	10-12		Biology		
346	Physiology	5	10-12		Biology		X
345	Anatomy	5	11-12		'B' or better recommended in Physiology		X
341	Advanced Placement Biology	10	11-12		'B' or better in Biology and Physical Science	X	X
344	Advanced Placement Environmental Science	10	11-12		'B' or better in Biology	X	X
<b>Period 5</b>							
334Z	Forensic Science	5	11-12		Biology, Phy.Science		
347Z	Water in Society	5	10-12				

# Science Department Course Sequence Map



## Science Graduation Requirements

- 30 Credits (Biology, Physical Science, +10 additional science credits)
- Students planning to attend post-secondary schooling are encouraged to complete, at minimum, Physics and Chemistry beyond Biology and Physical Science.
- Students planning to study science or a medical field beyond high school are encouraged to complete Chemistry, Physics, Anatomy, Physiology, and may also complete the SENCAP Health program.
- All juniors are strongly encouraged to be enrolled in two terms of Science.

**Course Name:** **Biology**  
Course Number: 320  
Duration: 2 Terms  
Grade: 9-12  
Prerequisites: None  
Note: None

This is a required freshman science course. It incorporates principles of earth science, ecology, as well as cell life and functions. Biology is a prerequisite for physiology. Students will be exposed to theories about the origin of the universe and the earth system; biological evolution; geochemical cycles; the ecology of organisms and species; cells and their organelles; factors related to heredity; and common chemical reactions that occur in cells such as photosynthesis and cellular respiration. Students will be expected to read, listen, and discuss course content. Required student skills include note taking, conducting labs, and working cooperatively with others. Students will be assessed on homework, labs, projects, quizzes, and tests. Students will be prepared and eligible to enroll in physiology after successful completion of this course.

**Course Name:** **Physical Science**  
Course Number: 331  
Duration: 2 Terms  
Grade: 10-12  
Prerequisites: None  
Note: None

This is a required sophomore science course. It includes beginning principals of physics and chemistry as well as designing and conducting experiments using scientific inquiry. Students will be introduced to the properties of matter; structure of atoms; the effects of motion and forces; properties and forms of energy of the earth; relationships between energy and matter; conservation of energy; and chemical reactions. Students will be exposed to the International System of Measurements (SI) and will need to have some algebra skills. Students will be expected to read, listen, and discuss course content. Required student skills include note taking, conducting labs, and working cooperatively with others.

**Course Name:** **Physiology**  
Course Number: 346  
Duration: 1 Term  
Grade: 10-12  
Prerequisites: Biology  
Note: None

This is an elective life science course offered for sophomores and above who have successfully completed biology. It explores the structure and function of the human body systems. Physiology is a prerequisite for anatomy. Emphasis is placed on the digestive, circulatory, respiratory, excretory, and reproductive systems. The depth of knowledge will go well beyond that of a typical health class. Required student skills include discussing course content, note taking, conducting labs, and working cooperatively with others. Students will be assessed on homework, labs, projects, quizzes, and tests. Upon successful completion of physiology, students will also be prepared and eligible to enroll in anatomy.

**Course Name:** **Anatomy**  
Course Number: 345

Duration: 1 Term  
Grade: 11-12  
Prerequisites: Biology & Physiology  
Note: Grade of "B" or better in Physiology is strongly encouraged

This is an elective life science course offered for juniors and seniors who have successfully completed physiology. Students will explore the structure and function of the human body systems. This is a college-prep science course that focuses on the advanced study of the skeletal, muscular, and nervous systems. Content centers on the identification of bones and muscles as well as the function of the systems in health and disease/injury. This course is designed for students with an interest in a health profession and who plan on pursuing this upon graduation. Required student skills include note taking, conducting labs, and working cooperatively with others. Students will be assessed on homework, labs, projects, quizzes, and tests.

**Course Name:** Chemistry  
Course Number: 342  
Duration: 2 Terms  
Grade: 11-12  
Prerequisites: Algebra II  
Note: None

Chemistry (inorganic) is a class that is designed to help students understand the fundamentals of chemistry in addition to preparing students for college chemistry. The curriculum has been designed to parallel the curriculum from Chemistry 109 at UNL. Students will gain an understanding of atoms and their behaviors, periodic table, mole concept, stoichiometry, chemical bonding and mass and energy transfers during chemical reactions. There are many labs and hands-on activities that enhance the curriculum. This course is highly recommended for students seeking majors in medicine, pharmacy, physical therapy, nursing, engineering, and any science-related field.

**Course Name:** Physics  
Course Number: 332  
Duration: 2 Terms  
Grade: 11-12  
Prerequisites: Algebra II; 77%+ & Physical Science  
Note: None

Students in Physics will learn more abstract concepts such as interactions of matter and energy, velocity, acceleration, force, energy, momentum, and charge. Students will learn through laboratories and fieldwork using the processes of inquiry guided by the scientific method and problem-solving process.

**Course Name:** Applied Physics  
Course Number: 333  
Duration: 2 Terms  
Grade: 11-12  
Prerequisites: Geometry or Basic Geometry  
Note: None

This is a science course offered for juniors and seniors looking to fulfill their third year of science graduation requirement but is not recommended for students who plan to enroll in a four-year college. It is designed to provide students with an understanding of how science relates to the everyday world. Required student skills include note taking, conducting labs, and working cooperatively with others.

**Course Name:** **Forensic Science**  
**Course Number:** 334Z  
**Duration:** 2 Terms  
**Grade:** 11-12  
**Prerequisites:** Biology and Physical Science  
**Note:** 5<sup>th</sup> Period, 44-minute Class

Students taking this elective science course will explore strategies of pathology to examine evidence and solve a crime. Students will learn techniques used in hair analysis, blood typing, fingerprint analysis, blood splatter, DNA fingerprinting, shoe impressions, dental recording, and document analysis. Activities and labs will use model evidence from a real cold case that students will be able to work through to solve. Students must be able to work in groups, problem solve, read and follow instructions, conduct labs, and discuss their findings.

**Course Name:** **Biological Applications**  
**Course Number:** 321  
**Duration:** 1 Term  
**Grade:** 10-12  
**Prerequisites:** Biology  
**Note:** None

Students taking this elective course are interested in the biology of animals. This course will include cell structure and function, circulatory and respiratory systems, the endocrine system, digestive system and nutritional needs of animals, animal anatomy, and livestock genetics.

**Course Name:** **Environmental Science**  
**Course Number:** 340  
**Duration:** 2 Terms  
**Grade:** 10-12  
**Prerequisites:** Biology  
**Note:** None

Environmental Science is a class dedicated to understanding the interactions between the earth's natural systems and the resulting effects of human interaction and resource management. This course surveys key topic areas including ecology, energy flow, ecological structures, earth systems, and atmospheric, land, and water science. Concepts can be explored through laboratory exercises, current events, and student projects.

**Course Name:** **Advanced Placement Biology**  
**Course Number:** 341  
**Duration:** 2 Terms (Offered Terms 3 & 4)  
**Grade:** 11-12  
**Prerequisites:** Grade of 'B' or better in Biology and Physical Science; Chemistry suggested  
**Note:** Students may earn college credit for this course.

Advanced Placement Biology provides an in-depth study of the rigorous components of the life sciences and emphasizes traditional and current biology concepts. This course is equivalent to a college-level introductory biology course and provides a strong preparation for post-high school science. This lab-based course may include the dissection of preserved specimens. AP Biology students should possess strong writing, reading, and analytical skills. Completion of this course will prepare students to take the Advanced Placement Biology exam. Juniors and seniors also have the opportunity to earn college credit through Nebraska Wesleyan University.

**Course Name:** **Advanced Placement Environmental Science**  
**Course Number:** 344  
**Duration:** 2 Terms (Offered Terms 3 & 4)  
**Prerequisites:** Grade of 'B' or better in Biology  
**Note:** None

Advanced Placement Environmental Science is the equivalent of a college-level environmental science class. As such, there may be a great demand in terms of reading, writing, homework, critical thinking, analysis, and independent work in comparison to previous classes attempted in high school. Through this course, in addition to the environmental science content, students will develop higher-level critical thinking skills, and learn how to research and distill information, and to choose one side of an issue and support their position, through the increased use of case studies and problem-based learning.

The goal of this course is to provide students with the science principles; ideas, concepts, methodologies and knowledge to better understand the natural world around them today and into the future. The following will be the key areas of focus: earth systems and resources; the living world; populations; land and water use; energy resources and consumption; pollution; and global change.

Completion of this course will prepare students to take the Advanced Placement Environmental Science exam.

**Course Name:** **Water in Society**  
**Course Number:** 347Z  
**Duration:** 2 Terms  
**Grade:** 10-12  
**Prerequisites:** None  
**Note:** None

Students will focus on the guiding question "What value does water have in our society?". Through a case study approach reinforced with labs, students will investigate the role of water in society with specific focus on water usage and management. Students will analyze the interaction of surface and groundwater, human impacts on these sources, and the overall effect on our environment as a system. Students will have the opportunity to partake in informed decision-making science concepts related to the social, political, and economic factors associated with water usage.

# Skilled and Technical Sciences Department

The Skilled and Technical Sciences program offers courses that are designed to provide meaningful and rewarding classes to all students. Each course was designed to give students an opportunity to explore areas of vocational interests that relate to the fields of technology, engineering, construction, manufacturing, design, drafting, and machine tool processes.

Related courses that would be beneficial to students taking classes in the industrial technology area are math, sciences (physics), art, and computers.

## Skilled & Technical Sciences Department Course Sequence Map



**Course Name:** **Architectural Engineering and Design (AED)**  
**Course Number:** 1348  
**Duration:** 1 Term  
**Grade:** 9-12  
**Prerequisites:** None  
**Note:** None

AED will introduce housing types, basic design and planning, site considerations, drawing techniques, building components, construction, building systems, roof designs, and green technology. Students will use AutoCAD and Revit software to help in the design process.

**Course Name:** **PLTW Introduction to Engineering Design I**  
**Course Number:** 1354  
**Duration:** 1 Term  
**Grade:** 9-12  
**Prerequisites:** None  
**Note:** None

IED I is the first course in the Project Lead the Way curriculum. IED I introduces students to fundamental skills, processes, products, tools, materials, and current software involved with technical drawing, drafting, and engineering design. Students apply math, science, and engineering standards to hands-on projects. Students will work both individually and in teams to design solutions to a variety of problems using 3-D modeling software and use an engineering notebook to document their work. Students are encouraged to complete IED II because at the conclusion of IED II, students are tested nationally and can qualify for credit at many university colleges of engineering.

**Course Name:** **PLTW Introduction to Engineering Design II**  
**Course Number:** 1355  
**Duration:** 1 Term  
**Grade:** 9-12  
**Prerequisites:** Introduction to Engineering Design I  
**Note:** None

IED II is the second course in Project Lead the Way Introduction to Engineering Design IED, where students develop computer-aided design (CAD) skills as they relate to the field of engineering. Students will create projects using auto cad software with an emphasis on engineering activities and processes. They will also use an engineering notebook to document their work. At the conclusion of IED II, students can test nationally and qualify for credit at many university colleges of engineering.

**Course Name:** **PLTW Computer Integrated Manufacturing**  
**Course Number:** 1356  
**Duration:** 1 Term  
**Grade:** 9-12  
**Prerequisites:** None  
**Note:** None

Project Lead the Way students learn about the opportunities related to understanding manufacturing. Students learn about manufacturing processes, product design, robotics, and automation. Students can earn a virtual manufacturing badge recognized by the National Manufacturing Badge system.

**Course Name:** **Introduction to Woodworking**

Course Number: 1314  
Duration: 1 Term  
Grade: 9-12  
Prerequisites: None  
Note: Students are charged \$15 per term for supplies. Students are also charged for any school-supplied lumber used in projects - \$50.

Introduction to Woodworking is a course in power machine woodworking that stresses the use of power tools in the construction of an end table through a hands-on activity, emphasizing proper tool application and safe operation. Student will also work with a CAD program and a CNC router in order to complete their assigned project.

**Course Name:** **Advanced Woodworking**  
Course Number: 1316  
Duration: 1 Term  
Grade: 10-12  
Prerequisites: Instructor Approval; 95% to repeat  
Note: Students are charged \$15 per term for supplies. Students are also charged for any school-supplied lumber used in projects. The total price will depend on what the student decides to make.

This course is designed to increase student skills and craftsmanship in woodworking through the development of a project from design and planning phases, material selection, and cost estimation to the construction of the student-selected projects. This is an opportunity for students to develop new skills while perfecting those learned in Introduction to Woodworking. Students will be introduced to new techniques and equipment presently used in cabinet and furniture shops including a CNC router.

Project designs are not limited to larger furniture pieces but the emphasis is placed on learning and applying new methods and the challenging of one's craftsmanship skills.

**Course Name:** **Building Construction**  
Course Number: 1342  
Duration: 2 Terms  
Grade: 11-12  
Prerequisites: Advanced Woodworking - 90%+, Instructor Approval, Application  
Note: Certain tools will need to be supplied by the student.

This course has been developed to introduce students to residential construction. Students will work on projects either at a job site or in the school shop. These projects will range from sheds and decks to garages, house additions and interior finishing. Emphasis will be placed on the tools used in the trade and the materials, terminology, safety, and procedures.

**Course Name:** **Welding**  
Course Number: 1335  
Duration: 1 Term  
Grade: 10-12  
Prerequisites: None  
Note: None

Students entering welding will be exposed to the fundamentals and basic skills of welding. Students will be introduced to oxy-acetylene welding, arc welding, mig and tig welding, as well as oxy-acetylene and plasma arc cutting. Students will be required to pass safety tests prior to welding.

**Course Name:** **Welding II**  
**Course Number:** 1337Z  
**Duration:** 2 Terms  
**Grade:** 11-12  
**Prerequisites:** Welding with a "B" or higher  
**Note:** 5<sup>th</sup> Period, 44-Minute Class; Students may incur a materials fee if working on their own project

Welding II is a course designed for students who have taken Welding I and would like to improve their welding skills even further. Students will be involved in metal fabrication which could include automotive accessories, metal art work, or functioning tools.

**Course Name:** **Small Engines**  
**Course Number:** 1344  
**Duration:** 1 Term  
**Grade:** 11-12  
**Prerequisites:** None  
**Note:** None; <https://youtu.be/aY6TrScsnzq>



Students enrolled in small engines will have hands-on experience with a small 2-cylinder 4-stroke Honda engine. Students will learn the theory of operation of the 2-stroke, 4-stroke and diesel engine. Students will take apart an engine and reassemble. During the process, students will plasti-gauge, use micrometer measuring, valve grinding, cylinder honing, as well as identify parts and functions.

**Course Name:** **3-D Animation**  
**Course Number:** 1352 or 1352Z  
**Duration:** 2 Terms  
**Grade:** 9-12  
**Prerequisites:** None  
**Note:** 90-minute class or 5<sup>th</sup> Period, 44-Minute Class

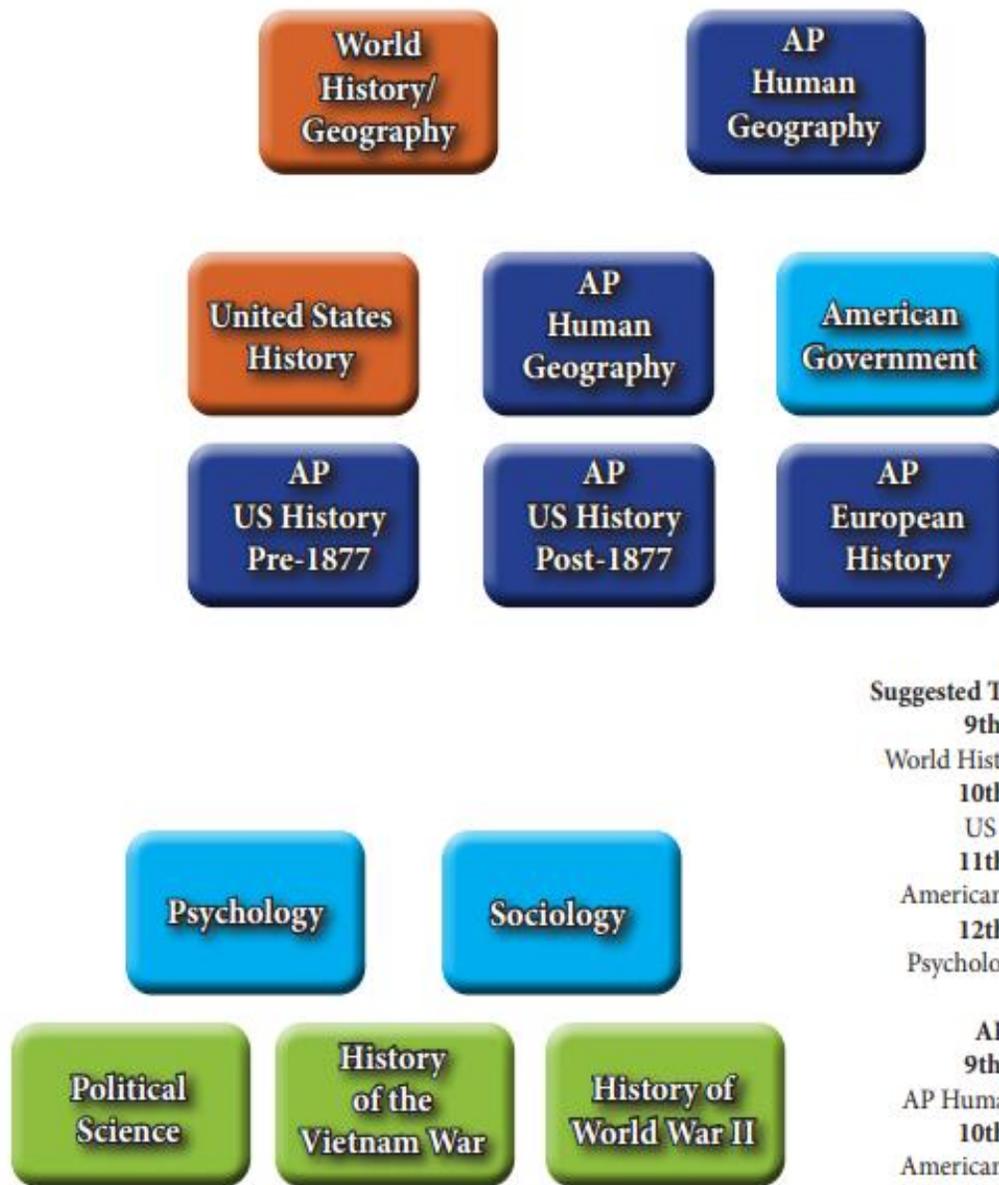
Students will learn basic modeling techniques, create materials, render scenes and learn about the animation process. Students will use 3D Max software to create various computer-generated animations.

## Social Studies Department

The Social Science courses are designed to provide the students with values, skills, understanding, and knowledge that will equip all students for living in a changing world. The development of critical thinking skills, where students learn to think objectively, to discriminate intelligently, and to express and defend their own thoughts, is emphasized through a variety of courses that also deal with international and national topics. Good citizenship, which implies a balance of emotional, physical, mental, moral, and social growth, is an important objective of the social studies curriculum.

Course #	Course Name	Credits	Grade	Graduation Requirement	Prerequisites	ACT Core	College Prep Recommended
437	<a href="#">World History/Geography</a>	10	9-12	X		X	X
438	<b>Advanced Placement Human Geography</b>	10	9-12		Teacher recommendation	X	X
439	<a href="#">U.S. History</a>	10	10-12	X		X	X
448	<b>Advanced Placement U.S. History Pre-1887</b>	10	10-12			X	X
449	<b>Advanced Placement U.S. History Post 1887</b>	10	10-12			X	X
441	<a href="#">American Government</a>	10	10-12	X		X	X
432	<a href="#">Psychology</a>	5	11-12	5 Credits		X	X
433	<a href="#">Sociology</a>	5	11-12			X	X
434	<b>Advanced Placement European History</b>	10	10-12				X
<b>Period 5</b>							
443Z	<a href="#">Political Science</a>	5	11-12				
446Z	<a href="#">History of the Vietnam War</a>	5	10-12				
447Z	<a href="#">History of World War II</a>	5	10-12				

# Social Studies Department Course Sequence Map



## Suggested Traditional Path:

**9th Grade:**  
World History/Geography  
**10th Grade:**  
US History  
**11th Grade:**  
American Government  
**12th Grade:**  
Psychology/Sociology

**AP Path:**  
**9th Grade:**  
AP Human Geography  
**10th Grade:**  
American Government  
**11th Grade:**  
AP US History Pre/Post  
**12th Grade:**  
AP European History

## Social Studies Graduation Requirements

- 35 Credits (World Geography or AP Human Geography, United States History or AP United States History, and American Government, +5 additional Social Studies credits.)
- Students planning on attending post-secondary schooling are encouraged to complete AP courses as well as psychology and/or sociology beyond the required social studies courses.

**Course Name:** **World History/Geography**  
**Course Number:** 437  
**Duration:** 2 Terms  
**Grade:** 9-12  
**Prerequisites:** None  
**Note:** None

This is a survey course analyzing the world's people from the very earliest times to the present. History describes the events that make up this story, while geography describes the places in which the events take place. History, then, represents the unfolding drama of people and events through the ages. Geography describes the stage on which this drama is played out. History and geography are too intertwined that to separate them would leave the story only partially told. In this course, we will pick up the story as it unfolds starting with the emergence of modern nations. Major topics will include: The Renaissance and Reformation; Exploration and Expansion; The Monarchs of Europe; The Enlightenment; The French Revolution and Napoleon; The Industrial Revolution; Nationalism in Europe; Age of Imperialism; World War I; World War II; and The Contemporary World

The major benefit of this course will be the students understanding of the relationship between what has happened in the past to what is happening in the world around us today. An understanding of this relationship will better equip students to address issues in their future lives as it relates to their home town, state, and country. Students will be evaluated using a variety of daily student activities and assessments.

**Course Name:** **Advanced Placement Human Geography**  
**Course Number:** 438  
**Duration:** 2 Terms  
**Grade:** 9-12  
**Prerequisites:** Teacher Recommendation  
**Note:** None

This course introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students learn to employ spatial concepts and landscape analysis to examine human socioeconomic organization and its environmental consequences. They also learn about the methods and tools geographers use in their research and applications.

Students are required to take notes in class and on readings, keep up with assignments, answer questions in class based on readings, participate in class discussions, ask intelligent questions, and improve their reading, writing, and testing skills. There is a high premium based upon proficiency in communication as well as erudition of thought.

Completion of this course will prepare students to take the Advanced Placement Human Geography exam.

**Course Name:** **U.S. History**  
**Course Number:** 439  
**Duration:** 2 Terms  
**Grade:** 10-12  
**Prerequisites:** None  
**Note:** None

This a survey course in American History. The course picks up the story of America from the Progressive Era to the 1990s. Geography and Current Events will also be emphasized in this course. Areas of emphasis are the World Wars, the Roaring 20's, the Great Depression of the

1930's, the Cold War, the Korean War, the Vietnam War, the 1970's, the Kennedy Administration, the 1980's, and the 1990's.

Students completing this class will have a solid understanding of modern American history and will be able to better appreciate the role the United States has played in world events. The students will have a better understanding of the changing world events with a stronger knowledge and appreciation of the past. Students will be evaluated using a variety of daily student activities and assessments.

**Course Name:** **Advanced Placement U.S. History Pre-1877**  
**Course Number:** 448  
**Duration:** 2 Terms  
**Grade:** 10-12  
**Prerequisites:** None  
**Note:** May take the place of U.S. History for graduation requirements. Offered 1<sup>st</sup> and 2<sup>nd</sup> terms. Students may earn college credit for this course. Students are responsible for college costs.

This survey course emphasizes the history of the United States from its colonial origins to 1877. The textbooks are college level and the class itself is structured as a college- or university-level course. Students are required to take notes in class and on readings, keep up with assignments, answer questions in class based on readings, participate in class discussions, ask intelligent questions, and improve their reading, writing, and testing skills. There is a high premium based upon proficiency in communication as well as erudition of thought.

This course runs in accordance with A.P. U.S. History Post-1877. Students may take either one or both courses. Completion of this course will prepare students to take the Advanced Placement United States History exam. Juniors and seniors also have the opportunity to earn college credit through Nebraska Wesleyan University.

**Course Name:** **Advanced Placement U.S. History Post-1877**  
**Course Number:** 449  
**Duration:** 2 Terms  
**Grade:** 10-12  
**Prerequisites:** None  
**Note:** May take the place of U.S. History for graduation requirements. Offered 3<sup>rd</sup> and 4<sup>th</sup> terms. Students may earn college credit for this course. Students are responsible for college costs.

This survey course emphasizes the history of the United States from 1877 to the present time. The textbooks are college level and the class itself is structured as a college- or university-level course. Students are required to take notes in class and on readings, keep up with assignments, answer questions in class based on readings, participate in class discussions, ask intelligent questions, and improve their reading, writing, and testing skills. There is a high premium based upon proficiency in communication as well as erudition of thought.

This course runs in accordance with A.P. U.S. History Pre-1877. Students may take either one or both courses. Completion of this course will prepare students to take the Advanced Placement United States History exam. Juniors and seniors also have the opportunity to earn college credit through Nebraska Wesleyan University.

**Course Name:** **American Government**  
**Course Number:** 441  
**Duration:** 2 Terms

Grade: 10-12  
Prerequisites: None  
Note: None

This survey course emphasizes the founding principles of the United States government so students understand how our democracy functions and why it is important for every citizen to take part. In order to educate students to participate in American democracy, this course will teach key citizenship skills and provide examples of student and societal citizenship in action. Students completing this course will have learned about the foundations of American Government, political behavior, three branches of government, comparative economic systems, current events, and local government. Students will be evaluated using a variety of daily student activities and assessments.

**Course Name:** Psychology  
Course Number: 432  
Duration: 1 Term  
Grade: 11-12  
Prerequisites: None  
Note: None

This is a survey course in psychology. The course emphasizes the individuals responsible for the development of psychology and various schools of thought. Major concepts covered include research methods, human development, the nervous system, altered states of consciousness, sensation and perception, learning principles, and psychological disorders. Hands-on labs will demonstrate various psychological concepts. Students completing this course will have a solid foundation in psychological principles allowing for a possible career in human relations, social work, caring professions, and/or psychology. Students will be evaluated using a variety of daily student activities and assessments.

**Course Name:** Sociology  
Course Number: 433  
Duration: 1 Term  
Grade: 11-12  
Prerequisites: None  
Note: None

This is a survey course in sociology. The course introduces students to the field of sociology and its development including a study of the founding fathers of sociology; research techniques; cultural (compared and contrasted with the U.S.) socialization; deviancy; law and social control; the social institutions; stratification and social class; and contemporary social problems. Benefits from this course include a better understanding of people, their motives, and perspective while living in a diverse interdependent world. This course is appropriate for the student looking for a possible career in human relations, social work, caring professions and/or sociology. Students will be evaluated using a variety of daily student activities and assessments.

**Course Name:** Political Science  
Course Number: 443Z  
Duration: 2 Terms  
Grade: 11-12  
Prerequisites: None  
Note: 5<sup>th</sup> Period, 44-Minute Class

Students will experience and learn about political science through reading current issues and a nonfiction book. The current issues part of class will discuss the *New York Times Upfront* edition. *Upfront* is written for a high school audience and covers a wide variety of topics that are going on in the world. The class will also read a book titled *Law Man*, written by a David City native. The book discusses the author's felony conviction and shows students how he transformed his life while facing insurmountable odds.

**Course Name:** **History of the Vietnam War**  
**Course Number:** 446Z  
**Duration:** 2 Terms  
**Grade:** 11-12  
**Prerequisites:** None  
**Note:** 5<sup>th</sup> Period, 44-Minute Class; Not Offered in 2021-2022; Offered in 2022-2023

History of the Vietnam War will emphasize the United States involvement in Vietnam from 1954-1975. Students will review decisions made by the United States from 1929 to the present. Topics covered include: Who are the decision makers?; How the war was fought; Social issues in the United States because of the Vietnam War; and How the United States was affected economically, politically, and socially. Parent permission may be needed because of the graphic nature of this content.

**Course Name:** **History of World War II**  
**Course Number:** 447Z  
**Duration:** 2 Terms  
**Grade:** 11-12  
**Prerequisites:** None  
**Note:** 5<sup>th</sup> Period, 44-Minute Class; Offered in 2021-2022; Not Offered in 2022-2023

Students taking History of World War II will study the causes, the course, and the implications of World War II: the greatest of 20<sup>th</sup> Century conflicts. Topics include: geographic areas involved; the major diplomatic, political, and military events; and some of the key figures of the war. The course covers the time period of 1918 to the present, with an emphasis on 1939-1945. Parent permission may be needed because of the graphic nature of this content.

**Course Name:** **Advanced Placement European History**  
**Course Number:** 434  
**Duration:** 2 Terms  
**Grade:** 10-12  
**Prerequisites:** None  
**Note:** Students may earn college credit for this course. Students are responsible for college costs.

This course cultivates students' understanding of European history through analyzing historical sources and learning to make connections and craft historical arguments. Students will explore concepts like interaction of Europe and the world; economic and commercial developments; cultural and intellectual developments; states and other institutions of power; social organization and development; national and European identity; and technological and scientific innovation.

Students are required to take notes in class and on readings, keep up with assignments, answer questions in class based on readings, participate in class discussions, ask intelligent

questions, and improve their reading, writing, and testing skills. There is a high premium based upon proficiency in communication as well as erudition of thought.

Completion of this course will prepare students to take the Advanced Placement European History exam.

## World Language Department (Spanish)

The Spanish department offers a progressive four-year program. Classes are geared toward the practical application of the language through the development of communication skills. Students play an active role in learning cultural and linguistic concepts specific to Spanish-speaking countries. The ability to communicate in a language other than one's own enables students to grow academically and personally. Competence in communicating in languages in addition to English enriches learning and creates a new foundation for intellectual growth that is unique to language studies. Learning a language opens new doors and expands a student's opportunity to learn.

Course #	Course Name	Credits	Grade	Graduation Requirement	Prerequisites	ACT Core	College Prep Recommended
1121	<a href="#">Spanish I</a>	10	9-12		Prior English		X
1122	<a href="#">Spanish II</a>	10	9-12		Spanish I		X
1123	<a href="#">Spanish III</a>	10	10-12		Spanish II		X
1124	<a href="#">Spanish IV</a>	10	10-12		Spanish III		X
<b>Period 5</b>							
1125Z	<a href="#">Spanish V</a>	5	11-12		Spanish IV		X

# Spanish Department Course Sequence Map



## Spanish Graduation Requirements

- Students planning to attend a post-secondary institution are encouraged to complete 2 years of Spanish.
- Students planning to attend certain post-secondary institutions will have an advantage if they complete 4 or more years of Spanish. It is recommended to check with each institution concerning their policy.

**Course Name:** Spanish I  
Course Number: 1121  
Duration: 2 Terms  
Grade: 9-12  
Prerequisites: Prior English  
Note: None

Spanish I introduces the student to the Spanish language and the culture of Spanish-speaking countries. The four communication skills of speaking, listening, reading, and writing are developed with emphasis on oral proficiency.

**Course Name:** Spanish II  
Course Number: 1122  
Duration: 2 Terms  
Grade: 9-12  
Prerequisites: Spanish I  
Note: None

Spanish II reinforces material from Spanish I and introduces new concepts for improving reading and writing skills. There is an emphasis on culture with a major focus on grammar.

**Course Name:** Spanish III  
Course Number: 1123  
Duration: 2 Terms  
Grade: 10-12  
Prerequisites: Spanish II  
Note: None

Spanish III refines communication skills and increases reading and writing abilities. There is an emphasis (in 2<sup>nd</sup> term) on Spanish culture with a major focus on grammar.

**Course Name:** Spanish IV  
Course Number: 1124  
Duration: 2 Terms  
Grade: 10-12  
Prerequisites: Spanish III  
Note: Students may earn college credit for this course. Students are responsible for college costs.

Spanish IV focuses on improving students' communication skills by emphasizing speaking/oral proficiency in Spanish. This course also includes a comprehensive review of grammar presented in Spanish I-III. Cultural topics and literary selections are also studied in depth. Juniors and seniors also have the opportunity to earn college credit through Concordia University.

**Course Name:** Spanish V Literature, Advanced Grammar, Conversation, and Composition  
Course Number: 1125Z  
Duration: 2 Terms  
Grade: 11-12  
Prerequisites: Spanish IV, Instructor Approval  
Note: 5<sup>th</sup> Period, 44-Minute Class

Students will study, in detail, various Spanish literary selections while also examining the grammatical topics highlighted in these selections. Students will also expand upon the conversational and composition skills emphasized in Spanish IV

## Period 5 Course Offerings

Course #	Course Name	Grade Level	Sem Offered	Prerequisites	Notes
1000	Access	9	1 & 2	None	Freshman students
159Z	Competitive Speech	10-12	2	Speech; Speech Team Member	
250Z	Math Support	9-11	1 & 2	Teacher Recommendation	Supports Alg A/B, Alg I, & Basic Geometry
691Z	Agri-Business	11-12	1	Intro. to Agri-Science	Offered every other year.
618Z	Companion Animal & Equine Science	11-12	2	Intro. to Agri-Science; Animal Science	Offered every other year.
620Z	Livestock Management	11-12	1	Intro to Agri-Science; Animal Science	Offered every other year
621Z	Veterinary Science	11-12	2	Intro to Agri-Science; Animal Science	Offered every other year
852Z	Sports/Entertainment Marketing	10-12	1 & 2	None	
837Z	Economics	10-12	1 & 2	None	Offered every other year
835Z	Web Design Development	10-12	2	Web Design	
1243Z	Leadership Development	9-12	1 & 2		This is a 9-week course. Take with ACT Prep the same semester.
1244Z	Sewing	10-12	2	Previous FCS class	
1352Z	3-D Animation	10-12	1 & 2		
1418Z	Wind Ensemble	9-12	1 & 2	Audition Only	Semester or Yearlong
1411Z	Select Concert Choir	10-12	1 & 2	Audition Only	Semester or Yearlong
1531Z	Female Fitness	10-12	1 & 2	None	
1533Z	Adv. Strength Training	11-12	1 & 2	Strength Training	Semester or Yearlong
1530Z	Dance	10-12	2	None	
1529Z	PE II	10-12	1 & 2	PE I	
124Z	Short Stories	10-12	1 or 2	None	Offered every other year
126Z	Literature through Cinema	10-12	2	None	Offered every other year
134Z	Multicultural Literature	11-12	1 or 2	None	Offered every other year
127Z	English Free Read	10-12	1 or 2	None	Pass/Fail course
128Z	Writing Workshop	10-12	1 or 2	None	Offered every other year. Pass/Fail course
160Z	Multimedia	10-12	1 & 2	Teacher Approval & Application	Time may be required outside of school hours.
1610Z	Resource	9-12	1 & 2	Teacher Assignment	Students must have IEP.
1680Z	Work Experience	12	1 & 2	Signed Work Experience Form	Students must be actively employed to qualify.
1700Z	ACT Prep	10-12	1 & 2	None	This is a 9-week course. Take with Lead. Develop. the same semester.
334Z	Forensic Science	11-12	1 or 2	Biology and Physical Science	
347Z	Water in Society	10-12	2	None	
443Z	Political Science	11-12	1 or 2	None	
446Z	History of the Vietnam War	10-12	1	None	Offered every other year.
447Z	History of World War II	10-12	1	None	Offered every other year.
1125Z	Spanish V	11-12	2	Spanish IV	
1337Z	Welding II	12	1 or 2	Welding I with "B" or higher	
833Z	Microsoft Academy – Office Specialist Certification	10-12	1 & 2	Information Technology I and II	This is a pass/fail course. Students must obtain their certification to receive a "pass."
834Z	Microsoft Academy – Office Expert Certification	10-12	1 & 2	Office Specialist certification	This is a pass/fail course. Students must obtain their certification to receive a "pass."
2111Z	Junior Jays Mentoring	12	1 & 2	Application process	
1030Z	AP Study Skills	10-12	2	Enrolled in 1 <sup>st</sup> or 2 <sup>nd</sup> Semester AP course	

# Additional Opportunities

<b>Course Name:</b>	<b>Senior Work Experience</b>
Course Number:	1680Z
Duration:	2 or 4 Terms
Grade:	12
Prerequisites:	Counselor Approval
Note:	5 <sup>th</sup> Period Class

Seniors may choose to work during 5<sup>th</sup> period instead of taking a class. The job must require that the student start by 3:30 p.m. at least three days each week Monday through Friday. Students must adhere to school attendance and discipline policies and must be in good academic standing and be on schedule to graduate. Students must be able to provide their own transportation. Students must maintain employment for the entire semester or be exited with a failing grade and no credit.

<b>Course Name:</b>	<b>ACT Preparation</b>
Course Number:	1700Z
Duration:	1 Term
Grade:	10-12
Prerequisites:	None
Note:	5 <sup>th</sup> Period, 44-Minute Classes

ACT Prep: Students will be introduced to general preparation and strategies for taking the ACT exam. Students will become familiar with test content in English, math, reading, and science reasoning. Time will be spent refreshing knowledge and skills in the content area that make up a large portion of the test by taking and scoring practice ACT exams. This is a one-term class and must be taken in connection with the Leadership Development class.

<b>Course Name:</b>	<b>Leadership Development</b>
Course Number:	1243Z
Duration:	1 Term
Grade:	9-12
Prerequisites:	Must be a member of a school organization
Note:	5 <sup>th</sup> Period, 44-minute class

This course focuses on developing one's strengths and skills to become a successful leader in our school and community. This class is recommended to anyone who is or aspires to be an officer in a school club, a captain of a team, or a leader or a community organization or activity. This is a one-term class and must be taken in connection with the ACT Prep class.

<b>Course Name:</b>	<b>Portfolio – Advanced Study</b>
Course Number:	1002
Duration:	1 or 2 Terms
Grade:	12
Prerequisites:	Application
Note:	Student could incur expense depending on portfolio plan.

This course is designed to provide the student with an opportunity to gain or embrace knowledge and to explore an area of interest related to research, delivery, or administration of the selected area of study.

Objectives for this course (one or more of the following substantive and process-related objectives must be met depending on the project):

- Student expands current knowledge in a specific area of interest related to the selected area of study;
- Student remediates deficient areas of knowledge, behavior, or skills;
- Student develops or enhances skills in analyzing, synthesizing, and integrating information or experiences in the selected area of study;
- Student develops or enhances skills in project identification, development, management, implementation, evaluation, communication, and/or dissemination.

## OTHER POST-SECONDARY OPPORTUNITIES

Course #	Course Name	College Credits	Grade	Prerequisites	College Where Credit Is Earned	ACT Core
OTHER PROGRAMS						
Various	Nebraska Now	3	12	24+ on ACT	UNL	
Various	Online Learning Courses	4.5	12	20+ on ACT	SCC	
MATH186	Calculus II	5	12	AP Calculus	CU	*

AP – Advanced Placement; UNL – University of Nebraska at Lincoln; SCC – Southeast Community College; CU – Concordia University

### NEBRASKA NOW COURSES

**Description:** Seniors may take select online courses from the University of Nebraska at Lincoln. All courses are regular first-year offerings from the various colleges within the University of Nebraska system. The course syllabi, textbooks, assignments, and grading practices are the same as those used by the faculty for on-campus classes. Students who successfully complete these courses earn college credit, verified by an official UNL transcript. Students/parents are responsible for the cost of tuition and books for this class.

**Prerequisites:** 24+ on ACT.

### ONLINE LEARNING COURSES

**Description:** Seniors may take select online learning courses through Southeast Community College. All courses are regular first-year offerings from SCC. The course syllabi, textbooks, assignments, and grading practices are the same as those used by the faculty for on-campus classes. Students who successfully complete these courses earn college credit, verified by an official SCC transcript. Students/parents are responsible for the cost of tuition and books for this class.

**Prerequisites:** 20+ on ACT.

### MATH 186 CALCULUS II

**Description:** Seniors may take an on-campus Calculus II course at Concordia University. Topics studied include integration, analytical geometry and vectors in two-dimensional space, and techniques of integration. Students/parents are responsible for the cost of tuition and books for this class.

**Prerequisites:** “B” or higher in Seward High School’s AP Calculus course. This course is for college credits (5.0) at Concordia University.

# **College Credit in High School**

## **SENCAP Academies at Seward High School** (Commonly Called Career Academy or CA Classes)

Through this dual-credit program, students will enroll and participate in a Southeast Community College class where they are responsible for meeting course requirements while earning college credit at one-fourth tuition charge through a contract with Southeast Community College and the School District of Seward. Students earn SCC credit for successfully completing the class. This grade will appear on the high school transcript. The other component in the program includes a Career Academy Portfolio assigned by the SENCAP coordinator. This portfolio grade earned will appear in PowerSchool and on the high school transcript.

For a list of courses, course descriptions, and more details about the Southeast Nebraska Career Academy Program, please use the following link:

<https://www.southeast.edu/WorkArea/DownloadAsset.aspx?id=35634> .

SCC has transfer agreements with the Nebraska colleges. Most out-of-state colleges honor the transfer of these credits as well. Seward High School exerts no control over the decisions of individual colleges with respect to transfer of credits.

# Appendix

## 12TH GRADE 2021 - 2022 COURSE LISTING

[Seward High School - Counselors - Academic Info - Registration Guide](#)

\*Indicates a course required for graduation

Due Date: February 8th

CRS#	Course Title	Terms	Credit	CRS#	Course Title	Terms	Credit	CRS#	Course Title	Terms	Credit		
<b>AGRICULTURE (Vocational)</b>				<b>FAMILY CONSUMER SCIENCE (Continued)</b>				<b>SKILLED &amp; TECHNICAL SCIENCE (Continued)</b>					
610	Intro to AgriScience CASE	1	5	1227	Leading Young Children (Parenting)	1	5	1314	Intro to Woodworking	1	5		
631	CA Horticulture (Intro to AgSci) - DUAL CREDIT	1	5	1242	Childcare Practicum (Leading Young Children)	1	5	1315	Advanced Woodworking (Intro to Woods)	1	5		
615	Animal Science CASE (Intro to AgSci)	1	5	1231	Housing and Interior Design (Intro to FCS) (21-22)	1	5	1342	Building Construction (Adv Woods)	2	10		
617	Adv Animal Science - CASE - (An Sci) (22-23)	1	5	<b>MATH</b>				1335	Welding	1	5		
632	Adv Horticulture (Hort)	1	5	233	Algebra IA	2	10	1344	Small Engines	1	5		
681	Wildlife Management (Intro to AgSci) - (22-23)	1	5	234	Algebra IB (Algebra IA)	2	10	1352	3-D Animation	1	5		
634	Food Science (Intro to AgSci) (21-22)	1	5	230	Algebra I	2	10	1356	PLTW Computer Integrated Manufacturing	1	5		
612	Adv AgriScience CASE (Intro to AgSci) (21-22)	1	5	220	Basic Geometry (Algebra or Alg IA/IB)	2	10	<b>SOCIAL STUDIES</b>					
633	Landscape Design (Horticulture) (21-22)	1	5	221	Geometry (Algebra or Alg IA/IB)	2	10	437	*World History/Geography	2	10		
929	Ag Ac - CA Crop and Food Science - DUAL CREDIT	2	10	251	CCR Math	2	10	438	AP Human Geography	2	10		
<b>ART</b>				250	Intermediate Algebra (Geometry or Basic Geometry)	2	10	439	*United States History	2	10		
716	Art Appreciation	1	5	231	Algebra II (Geometry or Int. Alg)	2	10	441	*American Govt	2	10		
717	2D Design (Art Appreciation)	1	5	239	College Algebra (Algebra II) - DUAL CREDIT	1	5	434	AP European History - DUAL CREDIT	2	10		
718	Ceramics /Sculpture (Art Appreciation)	1	5	247	Data Analysis (Algebra II)	1	5	448	AP US History pre-1877 - DUAL CREDIT	2	10		
719	Drawing/Painting (2D Design)	1	5	248	AP Statistics (Data Analysis)	1	5	440	AP US History post-1877 - DUAL CREDIT	2	10		
720	Wheel Thrown Ceramics (Ceramics)	1	5	241	Trigonometry (Algebra II)	1	5	432	Psychology	1	5		
723	Graphic Design (2D Design & Dig Photo)	1	5	245	Pre-Calculus (Trig)	1	5	433	Sociology	1	5		
722	Digital Photography (Art Appreciation)	1	5	244	AP Calculus (Pre-Calculus) DUAL CREDIT	3	15	<b>WORLD LANGUAGE</b>					
726	Art History	1	5	Calculus II (at Concordia - \$) (AP Calculus)				2	0	1121	Spanish I	2	10
<b>BUSINESS / COMPUTERS (Vocational)</b>				<b>PERSONAL FINANCE</b>									
849	Intro to Business, Mktng, Mgmt	1	5	843	*Personal Finance	1	5	1122	Spanish II (Spanish I)	2	10		
852	Entrepreneurship (Intro to Bus) (21-22)	1	5	<b>PHYSICAL ED/HEALTH (PE/Health)</b>				1123	Spanish III (Spanish II)	2	10		
829	*Info Tech Fundamentals	1	5	1528	*PE I	1	5	1124	Spanish IV (Spanish III) - DUAL CREDIT	2	10		
831	*Info Tech Apps I	1	5	1527	*Health	1	5	<b>CAREER ACADEMY (on-site/ on-line) DUAL CREDIT</b>					
832	Info Tech Apps II (Info Tech Apps I)	1	5	1532	Strength Training	1	5	898	CA Intro to Criminal Justice	2	10		
828	AP Computer Science A	2	10	1534	Agility and Strength	1	5	899	CA Web Page Fundamentals	2	10		
830	Web Design (Info Tech Apps I)	1	5	1535	Lifetime Sports	1	5	902	CA Intro to Sociology	2	10		
853	Business Law (22-23)	1	5	<b>SCIENCE</b>				903	CA Intro to Psychology	2	10		
854	Accounting (Info Tech II)	2	10	320	*Biology	2	10	904	CA Life-Span Human Development	2	10		
<b>ENGLISH</b>				331	*Physical Science	2	10	905	CA Intro to PreSchool Education	2	10		
120	*English 9	2	10	321	Biological Applications (Biology)	1	5	906	CA Intro to Early Childhood Ed	2	10		
121	*English 10 (Eng 9)	2	10	340	Environmental Science (Biology)	2	10	907	CA Intro to Special Education	2	10		
131	*English 11 (Eng 10)	2	10	346	Physiology (Biology)	1	5	908	CA Intro to Professional Education	2	10		
132	*English 11 - Honors (Teacher Recommendation)	2	10	345	Anatomy (Biology and Physiology)	1	5	910	CA Intro to Business	2	10		
151	*Speech	1	5	342	Chemistry (Algebra II and Physical Science)	2	10	913	CA Basic Nursing Assistant	2	10		
152	Advanced Speech (Speech)	1	5	333	Applied Physics (Geometry)	2	10	915	CA Principles of Marketing	2	10		
145	English 12	2	10	332	Physics (Alg II and Physical Science)	2	10	916	CA Basic Nutrition	2	10		
146	World Literature - DUAL CREDIT	1	5	341	AP Biology (Physical Sci / Biology) - DUAL CREDIT	2	10	917	CA InterPersonal Relations	2	10		
147	Writing and Research - DUAL CREDIT	1	5	344	AP Environmental Science (Biology)	2	10	918	CA Principles of Management	2	10		
<b>FAMILY CONSUMER SCIENCE (Vocational)</b>				<b>SKILLED &amp; TECHNICAL SCIENCE (Vocational)</b>									
1223	Intro to FCS	1	5	1348	AED-Architecture and Engineering Design	1	5	<b>Additional Opportunities</b>					
1210	Nutrition and Wellness (Intro to FCS)	1	5	1354	PLTW IED I	1	5	1002	Portfolio - Advanced Study	1	5		
1215	Ethnic Cooking (Nutrition) (21-22)	1	5	1355	PLTW IED II	1	5	<b>OTHER: High School Non-Credit Courses</b>					
1229	Culinary Arts (Nutrition)	1	5	1045/1044 Office / Library Aide				1	0	UNL Nebraska NOW	2	0	
1228	ProStart-4-(Culinary Arts)-(22-23)	1	5	820 Tech Assistant				1	0	SCC / CCC Online	1 or 2	0	
1218	Parenting	1	5	<b>MUSIC</b>									
14071B Jazz Band - Sem 1 (Try Out)				<b>Marching Band 1414 A (No Choir):</b>				<b>Choir Sem1 1426B (No Band):</b>					
14072B Jazz Band - Sem 2 (Try Out)				1532B Strength Training - Sem 1				1532A Strength Training - Sem 1					
1405 Music Theory - DUAL CREDIT				1407B Jazz Band - Sem 1 (Try Out)				843A Personal Finance - Sem 1					
1412 Madrigal Choir				843B Personal Finance - Sem 1				1002A Portfolio - Adv. Study					
1413 Vocal Jazz				1002B Portfolio - Adv. Study				1431A Pop Music - Sem 1					
1428 Electronic Music / Garage Band				<b>Symphonic Band 1416A (No Choir):</b>				<b>Choir Sem2 1427B (No Band):</b>					
1431 Pop Music				1532B Strength Training - Sem 2				1532A Strength Training - Sem 2					
1432 Intro to Musical Theater				1407B Jazz Band - Sem 2 (Try Out)				1413A Vocal Jazz - Sem 2					
1433 Pop Music II				1533B Lifetime Sports - Sem 2				1533A Lifetime Sports - Sem 2					
1439 Vocal Performance				843B Personal Finance - Sem 2				843A Personal Finance - Sem 2					
1440 Instrumental Technique				1002B Portfolio - Adv. Study				1002A Portfolio - Adv. Study					
<b>FIFTH PERIOD</b>													
CRS#	Course Title	Terms	Credit	CRS#	Course Title	Terms	Credit	CRS#	Course Title	Terms	Credit		
610Z	Intro to AgriScience CASE	2	5	127Z	English Free Read	2	5	1529Z	PE II	2	5		
618Z	Companion Animal / Equine Science (21-22)	2	5	128Z	Writing-Workshop (22-23)	2	5	1531Z	Female Fitness	2	5		
620Z	Livestock Management (Animal Science) (22-23)	2	5	134Z	Multicultural Literature (21-22)	2	5	1533Z	Adv Strength Training (Strength Training)	2	5		
621Z	Veterinary Science (Animal Science) (22-23)	2	5	161Z	MultiMedia (Must apply)	2	5	334Z	Forensic Science	2	5		
691Z	AgriBusiness (Intro to Ag)	2	5	159Z	Competitive Speech	2	5	347Z	Water in Society	2	5		
852Z	Sports and Entertainment Marketing (21-22)	2	5	1218Z	Parenting	2	5	443Z	Political Science	2	5		
837Z	Economics (22-23)	2	5	1243Z	Leadership Development (paired with ACT Prep)	1	2.5	446Z	History of the Vietnam War (22-23)	2	5		
833Z	Microsoft Office Specialist (Info Tech II)	2	5	1244Z	Sewing	2	5	447Z	History of World War II (21-22)	2	5		
834Z	Microsoft Office Expert (M.O. Specialist)	2	5	1337Z	Welding II (Welding I)	2	5	1125Z	Spanish V (Spanish IV)	2	5		
835Z	Web Design Development (Web Design)	2	5	1352Z	3-D Animation	2	5	1700Z	ACT Prep (paired with Leadership Development)	1	2.5		
1030Z	AP Study (Social Studies / Science)	2	5	1411Z	Select Choir (Try Out)	2	5	1045Z	Office Aide	1	0		
124Z	Short Stories (22-23)	2	5	1418Z	Wind Ensemble (Try Out)	2	5	1680Z	Senior Work Experience	1	2.5		
126Z	Literature through Cinema (21-22)	2	5	1530Z	Dance	2	5	2111Z	Junior Jays Mentor Program (Must apply)	1	2.5		

Student Name \_\_\_\_\_

Class of 2022

**2021-22 Course Requests 16 Selections**

<b>ENGLISH:</b> _____	<b>ELECTIVE:</b> _____
<b>ENGLISH:</b> _____	<b>ELECTIVE:</b> _____
<b>MATH:</b> _____	<b>ELECTIVE:</b> _____
<b>MATH:</b> _____	<b>ELECTIVE:</b> _____
<b>SCIENCE:</b> _____	<b>ELECTIVE:</b> _____
<b>SCIENCE:</b> _____	<b>ELECTIVE:</b> _____
<b>SOCIAL STUDIES:</b> _____	<i>(Alternate:)</i> _____
<b>SOCIAL STUDIES:</b> _____	<i>(Alternate:)</i> _____
SPANISH/ ELECTIVE: _____	<i>(Alternate:)</i> _____
SPANISH/ ELECTIVE: _____	<i>(Alternate:)</i> _____
<b>5th PERIOD:</b> _____	<b>5th PERIOD:</b> _____
<i>(5th Alternate:)</i> _____	<i>(5th Alternate:)</i> _____

**First Period Skinnies Semester One:**  
 Marching Band / Speech (151B)  
 Marching Band / Personal Finance Sem 1 (843B)  
 Marching Band / Strength Training (1532B)  
 Marching Band / Portfolio - Adv Study (1002B)  
 Marching Band / Info Tech Apps I (831B)  
  
 Marching Band / Jazz Band Sem 1 (14071B)  
 Marching Band / Choir (1426B)  
  
 Speech (151A) / Choir (1426B)  
 Personal Finance Sem 1 (843A) / Choir (1426B)  
 Strength Training (1532A) / Choir (1426B)  
 Portfolio - Adv Study (1002A) / Choir (1426B)  
 Pop Music (1431A) / Choir (1426B)  
 Info Tech Apps I (831A) / Choir (1426B)

**First Period Skinnies Semester Two:**  
 Symphonic Band / Health (1527B)  
 Symphonic Band / Info Tech Apps I (831B)  
 Symphonic Band / Speech (151B)  
 Symphonic Band / Personal Finance (843B)  
 Symphonic Band / Strength Training (1532B)  
 Symphonic Band / Lifetime Sports (1533B)  
 Symphonic Band / Portfolio - Adv Study (1002B)  
  
 Symphonic Band / Jazz Band Sem 2 (14072B)  
 Symphonic Band / Choir (1427B)  
  
 Health (1527A) / Choir (1427B)  
 Info Tech Apps I (831A) / Choir (1427B)  
 Speech (151A) / Choir (1427B)  
 Personal Finance (843A) / Choir (1427B)  
 Vocal Jazz (1413A) / Choir (1427B)  
 Lifetime Sports (1533A) / Choir (1427B)  
 Strength Training (1532A) / Choir (1427B)  
 Portfolio - Adv Study (1002A) / Choir (1427B)

1. Select your courses wisely, as your choices will make the schedule. Sign up for the courses you plan to take, as you will be expected to stay enrolled in your choices in the fall.
2. Please confer with parents/guardians, as well as your current teachers to make the best choices for your future.
3. Alternate courses
4. This form must be signed by you and your parent/guardian.

\_\_\_\_\_  
 Student Signature

\_\_\_\_\_  
 Parent / Guardian Signature

**Graduation Requirements - 235 Credit Hours**

English -- 40 Hours  
 Speech -- 5 Hours  
 Mathematics -- 30 Hours  
 Science -- 30 Hours

Social Science -- 35 Hours  
 PE and Health -- 15 Hours  
 Computer Science -- 5 Hours  
 Arts / World Lang -- 5 Hours

Vocational -- 5 Hours  
 Personal Finance -- 5 Hours  
 Electives -- 60 Hours

# 11TH GRADE 2021-22 COURSE LISTING

Seward High School - Counselors - Academic Info - Registration Guide

\*Indicates a course required for graduation

Due Date: February 8th

CRS#	Course Title	Terms	Credit	CRS#	Course Title	Terms	Credit	CRS#	Course Title	Terms	Credit
<b>AGRICULTURE (Vocational)</b>				<b>FAMILY CONSUMER SCIENCE (Continued)</b>				<b>SKILLED &amp; TECHNICAL SCIENCE (Continued)</b>			
610	Intro to AgrScience CASE	1	5	1242	Childcare Practicum (Leading Young Children)	1	5	1355	PLTW IED II	1	5
631	CA Horticulture (Intro to AgSci) - DUAL CREDIT	1	5	1231	Housing and Interior Design (Intro to FCS) (21-22)	1	5	1314	Intro to Woodworking	1	5
615	Animal Science CASE (Intro to AgSci)	1	5	<b>MATH</b>				1315	Advanced Woodworking (Intro to Woods)	1	5
617	Adv Animal Science - CASE - (An-Sci) (22-23)	1	5	233	Algebra IA	2	10	1342	Building Construction (Adv Woods)	2	10
632	Adv Horticulture (Hort)	1	5	234	Algebra IB (Algebra IA)	2	10	1335	Welding	1	5
681	Wildlife Management (Intro to AgSci) (22-23)	1	5	230	Algebra I	2	10	1344	Small Engines	1	5
634	Food Science (Intro to AgSci) (21-22)	1	5	220	Basic Geometry (Algebra or Alg IA/IB)	2	10	1352	3-D Animation	1	5
612	Adv AgrScience CASE (Intro to AgSci) (21-22)	1	5	221	Geometry (Algebra or Alg IA/IB)	2	10	1356	PLTW Computer Integrated Manufacturing	1	5
633	Landscape Design (Horticulture) (21-22)	1	5	251	CCR Math	2	10	<b>SOCIAL STUDIES</b>			
929	Ag Ac - CA Crop and Food Science - DUAL CREDIT	2	10	250	Intermediate Algebra (Geometry or Basic Geometry)	2	10	437	*World History/Geography	2	10
<b>ART</b>				231	Algebra II (Geometry or Int. Alg)	2	10	438	AP Human Geography	2	10
716	Art Appreciation	1	5	239	College Algebra (Algebra II) - DUAL CREDIT	1	5	439	*United States History	2	10
717	2D Design (Art Appreciation)	1	5	247	Data Analysis (Algebra II)	1	5	441	*American Govt	2	10
718	Ceramics /Sculpture (Art Appreciation)	1	5	248	AP Statistics (Data Analysis)	1	5	434	AP European History - DUAL CREDIT	2	10
719	Drawing/Painting (2D Design)	1	5	241	Trigonometry (Algebra II)	1	5	448	AP US History pre-1877 - DUAL CREDIT	2	10
720	Wheel Thrown Ceramics (Ceramics)	1	5	245	Pre-Calculus (Trig)	1	5	440	AP US History post-1877 - DUAL CREDIT	2	10
723	Graphic Design (2D Design & Dig Photo)	1	5	244	AP Calculus (Pre-Calculus) DUAL CREDIT	3	15	432	Psychology	1	5
722	Digital Photography (Art Appreciation)	1	5		Calculus II (at Concordia - \$) (AP Calculus)	2	0	433	Sociology	1	5
726	Art History	1	5	<b>PERSONAL FINANCE</b>				<b>WORLD LANGUAGE</b>			
<b>BUSINESS / COMPUTERS (Vocational)</b>				843	*Personal Finance	1	5	1121	Spanish I	2	10
849	Intro to Business, Mktng, Mgmt	1	5	<b>PHYSICAL ED/HEALTH (PE/Health)</b>				1122	Spanish II (Spanish I)	2	10
852	Entrepreneurship (Intro to Bus) (21-22)	1	5	1528	PE I	1	5	1123	Spanish III (Spanish II)	2	10
829	*Info Tech Fundamentals	1	5	1527	*Health	1	5	1124	Spanish IV (Spanish III) - DUAL CREDIT	2	10
831	*Info Tech Apps I	1	5	1532	Strength Training	1	5	<b>CAREER ACADEMY (on-site/ on-line / off-site)</b>			
832	Info Tech Apps II (Info Tech Apps I)	1	5	1534	Agility and Strength	1	5	898	CA Intro to Criminal Justice	2	10
828	AP Computer Science A	2	10	1535	Lifetime Sports	1	5	899	CA Web Page Fundamentals	2	10
830	Web Design (Info Tech Apps I)	1	5	<b>SCIENCE</b>				902	CA Intro to Sociology	2	10
853	Business Law (22-23)	1	5	320	*Biology	2	10	903	CA Intro to Psychology	2	10
854	Accounting (Info Tech II)	2	10	331	*Physical Science	2	10	904	CA Life-Span Human Development	2	10
<b>ENGLISH</b>				321	Biological Applications (Biology)	1	5	905	CA Intro to PreSchool Education	2	10
120	*English 9	2	10	346	Physiology (Biology)	1	5	906	CA Intro to Early Childhood Ed	2	10
121	*English 10 (Eng 9)	2	10	345	Anatomy (Biology and Physiology)	1	5	907	CA Intro to Special Education	2	10
131	*English 11 (Eng 10)	2	10	342	Chemistry (Algebra II)	2	10	908	CA Intro to Professional Education	2	10
132	*English 11 - Honors (Teacher Recommendation)	2	10	333	Applied Physics (Geometry)	2	10	910	CA Intro to Business	2	10
151	*Speech	1	5	332	Physics (Alg II and Physical Science)	2	10	913	CA Basic Nursing Assistant	2	10
152	Advanced Speech (Speech)	1	5	340	Environmental Science (Biology)	2	10	915	CA Principles of Marketing	2	10
<b>FAMILY CONSUMER SCIENCE (Vocational)</b>				341	AP Biology (Physical Sci / Biology) - DUAL CREDIT	2	10	916	CA Basic Nutrition	2	10
1223	Intro to FCS	1	5	344	AP Environmental Science (Biology)	2	10	917	CA InterPersonal Relations	2	10
1210	Nutrition and Wellness (Intro to FCS)	1	5	<b>SKILLED &amp; TECHNICAL SCIENCE (Vocational)</b>				918	CA Principles of Management	2	10
1215	Ethnic Cooking (Nutrition) (21-22)	1	5	1348	AED-Arch and Eng Design	1	5	919	CA Comprehensive Medical Terminology	2	10
1229	Culinary Arts (Nutrition)	1	5	1354	PLTW IED I	1	5	921	CA Computer Fundamentals	2	10
1228	ProStart I - (Culinary Arts) (22-23)	1	5	<b>OTHER: Non-High School Credit Courses</b>				Other options with SCC CA / DC Advantage			
1218	Parenting	1	5	UNL Nebraska NOW		2	0	SCC / CCC Online 1 or 2 0			
1227	Leading Young Children (Parenting)	1	5	<b>MUSIC</b>							
<b>1407B Jazz Band - Sem 1 (Try Out)</b>				<b>Marching Band 1414A (No Choir):</b>				<b>Choir Sem1 1426B (No Band):</b>			
1407B	Jazz Band - Sem 2 (Try Out)	2	5	151B	Speech - Sem 1	2	5	1532A	Strength Training - Sem 1	2	5
1426B	Choir - Sem 1	2	5	1532B	Strength Training - Sem 1	2	5	843A	Personal Finance - Sem 1	2	5
1427B	Choir - Sem 2	2	5	1407B	Jazz Band - Sem 1 (Try Out)	2	5	1431A	Pop Music - Sem 1	2	5
1412	Madrigal Choir	1	5	843B	Personal Finance - Sem 1	2	5	<b>Choir Sem2 1427B (No Band):</b>			
1413	Vocal Jazz	1	5	<b>Symphonic Band 1416A (No Choir):</b>				1532A	Strength Training - Sem 2	2	5
1405	Music Theory - DUAL CREDIT	2	10	151B	Speech - Sem 2	2	5	1413A	Vocal Jazz - Sem 2	2	5
1428	Electronic Music / Garage Band	1	5	1532B	Strength Training - Sem 2	2	5	1533A	Lifetime Sports - Sem 2	2	5
1431	Pop Music	1	5	1407B	Jazz Band - Sem 2 (Try Out)	2	5	843A	Personal Finance - Sem 2	2	5
1432	Intro to Musical Theater	1	5	1533B	Lifetime Sports - Sem 2	2	5	<b>FIFTH PERIOD</b>			
1433	Pop Music II	1	5	843B	Personal Finance - Sem 2	2	5	1272	English Free Read	2	5
1439	Vocal Performance	1	5	<b>1418Z Wind Ensemble (Try Out)</b>							
1440	Instrumental Technique	1	5	1282	Writing-Workshop (22-23)	2	5	1530Z	Dance	2	5
<b>1612 Multicultural Literature (21-22)</b>				<b>1612 MultiMedia (Must apply)</b>				<b>1529Z PE II</b>			
618Z	Companion Animal / Equine Science (21-22)	2	5	1592	Competitive Speech	2	5	1531Z	Female Fitness	2	5
620Z	Livestock Management (Animal Science) (22-23)	2	5	1218Z	Parenting	2	5	1533Z	Adv Strength Training (Str. Training)	2	5
621Z	Veterinary Science (Animal Science) (22-23)	2	5	1243Z	Leadership Development (paired with ACT Prep)	1	2.5	334Z	Forensic Science	2	5
691Z	AgriBusiness (Intro to Ag)	2	5	1244Z	Sewing	2	5	347Z	Water in Society	2	5
852Z	Sports and Entertainment Marketing (21-22)	2	5	1337Z	Welding II (Welding I)	2	5	443Z	Political Science	2	5
837Z	Economics (22-23)	2	5	1352Z	3-D Animation	2	5	446Z	History of the Vietnam War (22-23)	2	5
833Z	Microsoft Office Specialist (Info Tech II)	2	5	1411Z	Select Choir (Try Out)	2	5	447Z	History of World War II (21-22)	2	5
834Z	Microsoft Office Expert (M.O. Specialist)	2	5	<b>1125Z Spanish V (Spanish IV)</b>							
835Z	Web Design Development (Web Design)	2	5	<b>1700Z ACT Prep (paired with Leadership Development)</b>							
1030Z	AP Study (Social Studies / Science)	2	5								
124Z	Short Stories (22-23)	2	5								
126Z	Literature through Cinema (21-22)	2	5								

Student Name \_\_\_\_\_

Class of 2023

**2021-22 Course Requests 16 Selections**

<b>ENGLISH:</b> _____	<i>English 11 or Honors Eng 11</i>	<b>ELECTIVE:</b> _____
<b>ENGLISH:</b> _____	<i>English 11 or Honors Eng 11</i>	<b>ELECTIVE:</b> _____
<b>MATH:</b> _____		<b>ELECTIVE:</b> _____
<b>MATH:</b> _____		<b>ELECTIVE:</b> _____
<b>SCIENCE:</b> _____		<b>ELECTIVE:</b> _____
<b>SCIENCE:</b> _____		<b>ELECTIVE:</b> _____
<b>SOCIAL STUDIES:</b> _____		<b>(Alternate:)</b> _____
<b>SOCIAL STUDIES:</b> _____		<b>(Alternate:)</b> _____
<b>SPANISH OR ELECTIVE:</b> _____		<b>(Alternate:)</b> _____
<b>SPANISH OR ELECTIVE:</b> _____		<b>(Alternate:)</b> _____
<b>5th PERIOD:</b> _____		<b>5th PERIOD:</b> _____
<b>(5th Alternate:)</b> _____		<b>(5th Alternate:)</b> _____

**First Period Skinnies Semester One:**

Marching Band / Speech (151B)  
 Marching Band / Personal Finance (843B)  
 Marching Band / Strength Training (1532B)  
 Marching Band / Info Tech Apps I (831B)

Marching Band / Jazz Band Sem 1 (14071B)  
 Marching Band / Choir (1426B)

Speech (151A) / Choir (1426B)  
 Personal Finance (843A) / Choir (1426B)  
 Strength Training (1532A) / Choir (1426B)  
 Pop Music (1431A) / Choir (1426B)  
 Info Tech Apps I (831A) / Choir (1426B)

**First Period Skinnies Semester Two:**

Symphonic Band / Health (1527B)  
 Symphonic Band / Info Tech Apps I (831B)  
 Symphonic Band / Speech (151B)  
 Symphonic Band / Personal Finance (843B)  
 Symphonic Band / Strength Training (1532B)  
 Symphonic Band / Lifetime Sports (1533B)

Symphonic Band / Jazz Band Sem 2 (14072B)  
 Symphonic Band / Choir (1427B)

Health (1527A) / Choir (1427B)  
 Info Tech Apps I (831A) / Choir (1427B)  
 Speech (151A) / Choir (1427B)  
 Personal Finance (843A) / Choir (1427B)  
 Vocal Jazz (1413A) / Choir (1427B)  
 Lifetime Sports (1533A) / Choir (1427B)  
 Strength Training (1532A) / Choir (1427B)

1. Select your courses wisely, as your choices will make the master schedule. Sign up for the courses you plan to take, as you will be expected to stay enrolled in your choices in the fall.
2. Please confer with parents/guardians, as well as your current teachers to make the best choices for your future.
3. Alternate courses **MUST** be included. Alternates will be used if selected courses are unavailable.
4. This form must be signed by you and your parent/guardian.

\_\_\_\_\_  
 Student Signature

\_\_\_\_\_  
 Parent / Guardian Signature

**Graduation Requirements - 235 Credit Hours**

English -- 40 Hours  
 Speech -- 5 Hours  
 Mathematics -- 30 Hours  
 Science -- 30 Hours

Social Science -- 35 Hours  
 PE and Health -- 15 Hours  
 Computer Science -- 5 Hours  
 Arts / World Lang -- 5 Hours

Vocational -- 5 Hours  
 Personal Finance -- 5 Hours  
 Electives -- 60 Hours

# 10TH GRADE 2021-2022 COURSE LISTING

\*Indicates a course required for graduation

[Seward High School - Counselors - Academic Info - Registration Guide](#)

Due Date: February 8th

CRS#	Course Title	Terms	Credit	CRS#	Course Title	Terms	Credit	CRS#	Course Title	Terms	Credit				
<b>AGRICULTURE (Vocational)</b>				<b>FAMILY CONSUMER SCIENCE (Vocational)</b>				<b>SKILLED &amp; TECHNICAL SCIENCE (Voc)</b>							
610	Intro to AgrScience CASE	1	5	1223	Intro to FCS	1	5	331	*Physical Science	2	10				
631	CA Horticulture (Intro to AgSci) - DUAL CREDIT 16+	1	5	1210	Nutrition and Wellness (Intro to FCS)	1	5	321	Biological Applications (Biology)	1	5				
615	Animal Science CASE (Intro to AgSci)	1	5	1215	Ethnic Cooking (Nutrition) (21-22)	1	5	340	Environmental Science (Biology)	2	10				
632	Adv Horticulture (Hort)	1	5	1218	Parenting	1	5	346	Physiology (Biology)	1	5				
612	Adv AgrScience CASE (Intro to AgSci) (21-22)	1	5	1227	Leading Young Children (Parenting)	1	5	344	AP Environmental Science (Biology) (Teacher Rec.)	2	10				
<b>ART</b>				<b>MATH</b>											
716	Art Appreciation	1	5	233	Algebra IA	2	10	1348	AED-Arch and Eng Design	1	5				
717	2D Design (Art Appreciation)	1	5	234	Algebra IB (Algebra IA)	2	10	1354	PLTW IED I	1	5				
718	Ceramics /Sculpture (Art Appreciation)	1	5	230	Algebra I	2	10	1355	PLTW IED II	1	5				
719	Drawing/Painting (2D Design)	1	5	220	Basic Geometry (Algebra or Alg IA/IB)	2	10	1314	Intro to Woodworking	1	5				
720	Wheel Thrown Ceramics (Ceramics)	1	5	221	Geometry (Algebra I or Alg IA/IB)	2	10	1315	Advanced Woodworking (Intro to Woods)	1	5				
723	Graphic Design (2D Design & Dig Photo)	1	5	250	Intermediate Algebra (Geom or Bas Geom)	2	10	1335	Welding	1	5				
722	Digital Photography (Art Appreciation)	1	5	231	Algebra II (Geometry or Int Algebra)	2	10	1352	3-D Animation	1	5				
726	Art History	1	5	247	Data Analysis (Algebra II)	1	5	1356	PLTW Computer Integrated Manufacturing	1	5				
<b>BUSINESS / COMPUTERS (Vocational)</b>				<b>PHYSICAL ED/HEALTH</b>				<b>SOCIAL STUDIES</b>							
849	Intro to Business, Mktng, Mgmt	1	5	1528	PE I	1	5	437	*World History/Geography	2	10				
852	Entrepreneurship (Intro to Bus) (21-22)	1	5	1527	*Health	1	5	438	AP Human Geography	2	10				
829	*Info Tech Fundamentals	1	5	1532	Strength Training (PE I)	1	5	439	*United States History	2	10				
831	*Info Tech Apps I	1	5	1534	Agility and Strength (PE I)	1	5	441	*American Govt	2	10				
832	Info Tech Apps II (Info Tech Apps I)	1	5	1535	Lifetime Sports (PE I)	1	5	434	AP European History	2	10				
828	AP Computer Science A	2	10	<b>SCIENCE</b>				448	AP US History pre-1877	2	10				
830	Web Design (Info Tech Apps I)	1	5	320	*Biology	2	10	440	AP US History post-1877	2	10				
853	Business Law (22-23)	1	5	<b>MUSIC</b>				<b>WORLD LANGUAGE</b>							
<b>ENGLISH</b>				<b>Marching Band 1414A (No Choir):</b>				<b>Choir Sem1 1426B (No Band):</b>							
120	*English 9	2	10	151B	Speech - Sem 1	2	5	151A	Speech - Sem 1	2	5				
121	*English 10 (Eng 9)	2	10	1532B	Strength Training - Sem 1	2	5	1532A	Strength Training - Sem 1	2	5				
151	*Speech	1	5	1407B	Jazz Band - Sem 1 (Try Out)	2	5	1431A	Pop Music - Sem 1	2	5				
152	Advanced Speech	1	5	<b>Symphonic Band 1416A (No Choir):</b>				<b>Choir Sem2 1427B (No Band):</b>							
14071B	Jazz Band - Sem 1 (Try Out)	2	5	151B	Speech - Sem 2	2	5	151A	Speech - Sem 2	2	5				
14072B	Jazz Band - Sem 2 (Try Out)	2	5	1532B	Strength Training - Sem 2	2	5	1532A	Strength Training - Sem 2	2	5				
1426B	Choir - Sem 1	2	5	1407B	Jazz Band - Sem 2 (Try Out)	2	5	1413A	Vocal Jazz - Sem 2	2	5				
1427B	Choir - Sem 2	2	5	1533B	Lifetime Sports - Sem 2	2	5	1533A	Lifetime Sports - Sem 2	2	5				
1405	Music Theory - DUAL CREDIT	2	10												
1412	Madrigal Choir	1	5												
1413	Vocal Jazz	1	5												
1428	Electronic Music / Garage Band	1	5												
1431	Pop Music	1	5												
1432	Intro to Musical Theater	1	5												
1433	Pop Music II	1	5												
1439	Vocal Performance	1	5												
1440	Instrumental Technique	1	5												
<b>FIFTH PERIOD</b>															
CRS#	Course Title	Terms	Credit	CRS#	Course Title	Terms	Credit	CRS#	Course Title	Terms	Credit				
620Z	Livestock Management (Animal Science) (22-23)	2	5	126Z	Literature through Cinema (21-22)	2	5	1352Z	3-D Animation	2	5				
621Z	Veterinary Science (Animal Science) (22-23)	2	5	127Z	English Free Read	2	5	1411Z	Select Choir (Try Out)	2	5				
852Z	Sports and Entertainment Marketing (21-22)	2	5	128Z	Writing Workshop (22-23)	2	5	1418Z	Wind Ensemble (Try Out)	2	5				
837Z	Economics (22-23)	2	5	134Z	Multicultural Literature (21-22)	2	5	1530Z	Dance	2	5				
833Z	Microsoft Office Specialist (Info Tech II)	2	5	161Z	MultiMedia (Must apply)	2	5	1529Z	PE II	2	5				
834Z	Microsoft Office Expert (M.O. Specialist)	2	5	159Z	Competitive Speech	2	5	1531Z	Female Fitness	2	5				
835Z	Web Design Development (Web Design)	2	5	1218Z	Parenting	2	5	1533Z	Adv Strength Training (Str. Training)	2	5				
1030Z	AP Study (Social Studies / Science)	2	5	1243Z	Leadership Development (paired with ACT Prep)	1	5	347Z	Water in Society	2	5				
124Z	Short Stories (22-23)	2	5	1244Z	Sewing	2	5	1700Z	ACT Prep (paired with Leadership Development)	1	2.5				

Student Name \_\_\_\_\_

Class of 2024

2021 - 2022 Course Requests 16 Selections	
ENGLISH: <span style="background-color: #ffb6c1; padding: 2px;">ENGLISH 10</span> _____	ELECTIVE: _____
ENGLISH: <span style="background-color: #ffb6c1; padding: 2px;">ENGLISH 10</span> _____	ELECTIVE: _____
MATH: <span style="background-color: #90ee90; padding: 2px;"> </span> _____	ELECTIVE: _____
MATH: <span style="background-color: #90ee90; padding: 2px;"> </span> _____	ELECTIVE: _____
SCIENCE: <span style="background-color: #ffff00; padding: 2px;">PHYSICAL SCIENCE</span> _____	ELECTIVE: _____
SCIENCE: <span style="background-color: #ffff00; padding: 2px;">PHYSICAL SCIENCE</span> _____	ELECTIVE: _____
SOCIAL STUDIES: <span style="background-color: #add8e6; padding: 2px;"> </span> _____	(Alternate:) _____
SOCIAL STUDIES: <span style="background-color: #add8e6; padding: 2px;"> </span> _____	(Alternate:) _____
SPANISH OR ELECTIVE: _____	(Alternate:) _____
SPANISH OR ELECTIVE: _____	(Alternate:) _____
5th PERIOD: _____	5th PERIOD: _____
(5th Alternate:) _____	(5th Alternate:) _____

**First Period Skinnies Semester One:**

- Marching Band / PE I (1528B)
- Marching Band / Speech (151B)
- Marching Band / Strength Training (1532B)
- Marching Band / Info Tech Apps I (831B)
  
- Marching Band / Jazz Band Sem 1 (14071B)
- Marching Band / Choir (1426B)
  
- PE I (1528A) / Choir (1426B)
- Speech (151A) / Choir (1426B)
- Strength Training (1532A) / Choir (1426B)
- Info Tech Apps I (831A) / Choir (1426B)
- Pop Music (1431A) / Choir (1426B)

**First Period Skinnies Semester Two:**

- Symphonic Band / Health (1527B)
- Symphonic Band / Info Tech Apps I (831B)
- Symphonic Band / Speech (151B)
- Symphonic Band / Strength Training (1532B)
- Symphonic Band / Lifetime Sports (1533B)
  
- Symphonic Band / Jazz Band Sem 2 (14072B)
- Symphonic Band / Choir (1427B)
  
- Health (1527A) / Choir (1427B)
- Info Tech Apps I (831A) / Choir (1427B)
- Speech (151A) / Choir (1427B)
- Vocal Jazz (1413A) / Choir (1427B)
- Lifetime Sports (1533A) / Choir (1427B)
- Strength Training (1532A) / Choir (1427B)

1. Select your courses wisely, as your choices will make the schedule. Sign up for the courses you plan to take, as you will be expected to stay enrolled in your choices in the fall.
2. Please confer with parents/guardians, as well as your current teachers to make the best choices for your future.
3. Alternate courses **MUST** be included. Alternates will be used if selected courses are unavailable.
4. This form must be signed by you and your parent/guardian.

\_\_\_\_\_  
Student Signature

\_\_\_\_\_  
Parent / Guardian Signature

Graduation Requirements - 235 Credit Hours		
English -- 40 Hours	Social Science -- 35 Hours	Vocational -- 5 Hours
Speech -- 5 Hours	PE and Health -- 15 Hours	Personal Finance -- 5 Hours
Mathematics -- 30 Hours	Computer Science -- 5 Hours	Electives -- 60 Hours
Science -- 30 Hours	Arts / World Lang -- 5 Hours	

## 9TH GRADE 2021 - 2022 COURSE LISTING

[Seward High School - Counselors - Academic Info - Registration Guide](#)

Due Date: February 8th

CRS#	Course Title	Terms	Credit	CRS#	Course Title	Terms	Credit
<b>AGRICULTURE (Vocational)</b>				<b>PHYSICAL ED/HEALTH (PE/Health)</b>			
610	Intro to AgriScience CASE	1	5	1528	PE I	1	5
<b>ART</b>				1527	*Health	1	5
716	Art Appreciation	1	5	1527	Strength Training (Instructor Permission)	1	5
717	2D Design (Art Appreciation)	1	5	1535	Lifetime Sports (PE I)	1	5
718	Ceramics and Sculpture (Art Appreciation)	1	5	<b>SCIENCE</b>			
<b>BUSINESS / COMPUTERS (Vocational)</b>				320	*Biology	2	10
849	Intro to Business, Mktng, Mgmt	1	5	<b>SKILLED &amp; TECHNICAL SCIENCE (Vocational)</b>			
829	*Info Tech Fundamentals	1	5	1314	Intro to Woodworking	1	5
831	*Info Tech Apps I	1	5	1348	AED - Arch & Eng Design	1	5
832	Info Tech Apps II (Info Tech Apps I)	1	5	1354	PLTW IED I	1	5
830	Web Design (Info Tech Apps I)	1	5	1355	PLTW IED II	1	5
<b>ENGLISH</b>				1352	3-D Animation	1	5
120	*English 9	2	10	<b>SOCIAL STUDIES</b>			
<b>FAMILY AND CONSUMER SCIENCE (Vocational)</b>				437	*World History/Geography	2	10
1223	Intro to FCS	1	5	438	AP Human Geography	2	10
1210	Nutrition and Wellness (Intro to FCS)	1	5	<b>WORLD LANGUAGE</b>			
1218	Parenting	1	5	1121	Spanish I	2	10
<b>MATH</b>				1122	Spanish II (Spanish I)	2	10
233	Algebra IA	2	10	<b>FIFTH PERIOD</b>			
234	Algebra IB (Algebra IA)	2	10	1000	ACCESS		
230	Algebra I	2	10	* Indicates Required Courses for Graduation			
221	Geometry (Algebra or Alg IA/IB)	2	10	<b>MUSIC</b>			
231	Algebra II (Geometry or Int. Algebra)	2	10	<u>Symphonic Band 1416A (No Choir):</u>			
<b>MUSIC</b>				1414A	Marching Band	2	5
1416A	Symphonic Band	2	5	1527B	Health - Sem 2	2	5
1426B	Choir - Sem 1	2	5	1527B	Strength Training - Sem 2	2	5
1427B	Choir - Sem 2	2	5	831B	Info Tech Apps I - Sem 2	2	5
1431	Pop Music	1	5	<u>Choir 1426B / 1427B (No Band):</u>			
1428	Electronic Music / Garage Band	1	5	1528A	PE I - Sem 1	2	5
1433	Pop Music II	1	5	1431A	Pop Music - Sem 1	2	5
1440	Instrumental Technique	1	5	831B	Info Tech Apps I - Sem 1	2	5
<u>Marching Band 1414A (No Choir):</u>				15227A	Strength Training - Sem 1 and/or 2	2	5
1528B	PE I - Sem 1	2	5	1527A	Health - Sem 2	2	5
1527B	Strength Training - Sem 1	2	5	831A	Info Tech Apps I - Sem 2	2	5
831B	Info Tech Apps I - Sem 1	2	5				

### Graduation Requirements - 235 Credit Hours

English -- 40 Hours  
 Speech -- 5 Hours  
 Mathematics -- 30 Hours  
 Science -- 30 Hours  
 Social Science -- 35 Hours

PE and Health -- 15 Hours  
 Computer Science -- 5 Hours  
 Arts / World Lang -- 5 Hours  
 Vocational -- 5 Hours  
 Personal Finance -- 5 Hours

Electives -- 60 Hours

Student Name \_\_\_\_\_

Class of 2025

2021 - 2022 Course Requests 16 Selections

ENGLISH:	<u>ENGLISH 9</u>	ELECTIVE:	_____
ENGLISH:	<u>ENGLISH 9</u>	ELECTIVE:	_____
MATH:	_____	ELECTIVE:	_____
MATH:	_____	ELECTIVE:	_____
SCIENCE:	<u>BIOLOGY</u>	ELECTIVE:	_____
SCIENCE:	<u>BIOLOGY</u>	ELECTIVE:	_____
SOCIAL STUDIES:	<u>World Geo/History or AP Human Geography</u>	(Alternate):	_____
SOCIAL STUDIES:	<u>World Geo/History or AP Human Geography</u>	(Alternate):	_____
SPANISH OR ELECTIVE:	_____	(Alternate):	_____
SPANISH OR ELECTIVE:	_____	(Alternate):	_____
5th PERIOD:	<u>ACCESS</u>	5th PERIOD:	<u>ACCESS</u>

**First Period Skinnies Semester One:**

- Marching Band / PE I (1528B)
- Marching Band / Strength Training (1527B)
- Marching Band / Info Tech Apps I (831B)
  
- Marching Band / Choir (1426B)
  
- PE I (1528A) / Choir (1426B)
- Strength Training (1527A) / Choir (1426B)
- Info Tech Apps I (831A) / Choir (1426B)
- Pop Music (1431A) / Choir (1426B)

**First Period Skinnies Semester Two:**

- Symphonic Band / Health (1527B)
- Symphonic Band / Info Tech Apps I (831B)
- Symphonic Band / Strength Training (1527B)
  
- Symphonic Band / Choir (1427B)
  
- Health (1527A) / Choir (1427B)
- Info Tech Apps I (831A) / Choir (1427B)
- Strength Training (1527A) / Choir (1427B)

1. Select your courses wisely, as your choices will make the schedule.  
Sign up for the courses you plan to take; you will be expected to stay enrolled in your choices in the fall.
  
2. Please confer with parents/guardians, as well as your current teachers to make the best choices for your future.
  
3. Alternate courses MUST be included.

\_\_\_\_\_  
Student Signature

\_\_\_\_\_  
Parent / Guardian Signature