

Course Registration Guide

2026-2027



Seward
High School
Seward, NE

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; 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

Scott Axt
Principal

Rich Eber

Rich Eber
Assistant Principal

Welcome to Seward High School!

TABLE of CONTENTS

<i>Welcome to Seward High School</i>	3
Graduation Requirements	5
Grading	6
Class Rank Formula	6
Senior Recognition	6
Exclusions	6
Transferring Credits/Placement	7
Schedule Changes	7
<i>What Are Colleges Looking For in a Student?</i>	8
Top Factors Influencing Admission Decisions	8
State and National Standardized Testing	9
College Entrance Requirements	11
NCAA/NAIA ATHLETIC ELIGIBILITY	12
Post-Secondary Course Guide Key	14
<i>Agri-Science Education Department</i>	15
<i>Art Department</i>	20
<i>Business/Information Technology Department</i>	24
<i>English Department</i>	29
<i>Family & Consumer Sciences Department</i>	35
<i>Mathematics Department</i>	38
<i>Music Department</i>	44
<i>Physical Education Department</i>	51
<i>Science Department</i>	55
<i>Skilled and Technical Sciences Department</i>	61
<i>Social Studies Department</i>	65
<i>World Language Department (Spanish)</i>	70
<i>Period 5 Course Offerings</i>	74
<i>Additional Opportunities</i>	75
<i>College Credit in High School</i>	76
Other Post-Secondary Opportunities	76
SENCAP Academies at Seward High School	77

Graduation Requirements

GRADUATION REQUIREMENTS CHECKLIST										
Name:										
235										
Credit Hours										Credits Completed
English (40 Hours)	10 Hours English 9		10 Hours English 10		10 Hours English 11 (Honors English 11)		10 Hours During 12th grade			
										0
Speech (5 Hours)	5 Hours									
										0
Mathematics (30 Hours)	10 Hours		10 Hours		10 Hours during 11th grade					
										0
Social Science (30 Hours)	10 Hours World Geography (AP Human Geography or AP Euro History)		10 Hours U.S. History (AP U.S. History - Pre or Pos)		10 Hours American Government		5 Hours Personal Finance			
										0
Science (30 Hours)	10 Hours Biology		10 Hours Physical Science		10 Hours during 11th grade					
										0
Health / PE (15 Hours)	Health		PE		PE					
										0
Computer (5 Hours)	5 Hours	(Includes: IT Fundamentals, Foundations of Computing)								
										0
Vocational (5 Hours)	5 Hours	(Includes: FCS, Business, Ag, Skilled Technical Trades, additional Computers)								
										0
Arts / World Language (5 Hours)	5 Hours									
										0
Electives (65 Hours)	65 Hours									
										0
										0
Total Credits Completed										0

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 62 percent for strength of curriculum, and 46 percent for admission test scores. According to the 2023 “State of College Admissions Report,” the following factors, in order of importance, were:

- | | |
|-----------------------------------|------------------------------------|
| 1. Grades in college prep courses | 6. Student’s demonstrated interest |
| 2. Grades in all courses | 7. Counselor recommendation |
| 3. Strength of curriculum | 8. Teacher recommendation |
| 4. Positive character attributes | 9. Extracurricular activities |
| 5. Essay or writing sample | 10. High school class rank |

SOURCE: NACAC Admission Trends Survey, 2023.

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 \$20.
- 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

- 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.
- Student cost is approximately \$80 for test and an additional \$20 for the writing section. Fee waivers are available for students on free and reduced lunch status.
- Students register online at actstudent.org or myact.org.
- SHS juniors will be taking this test for state reporting purposes in October and April. The ACT will be reportable to colleges. Both in-school test administrations are 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 \$80 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.

Advanced Placement Test (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, AP European History, AP Biology, AP Statistics, AP Environmental Science, AP Human Geography, AP Computer Science Principles, AP Computer Science A, AP World History, 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 \$100 per test.
- Students register in AP Classroom.

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

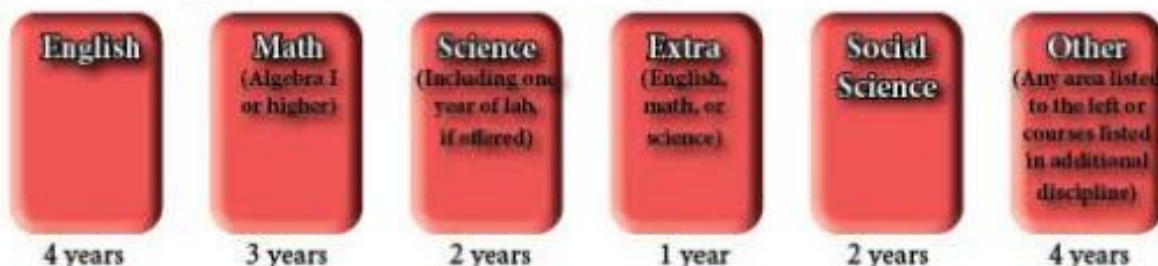
Students who enroll at Concordia University need to meet the graduation requirements at Seward High School to be accepted. Admissions personnel will review student transcripts to see which math, English, science, and foreign language courses were taken in high school for appropriate course selection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

NOTE: Other colleges may have different requirements.

Division I Academic Standards

Division I schools require you to meet academic standards. To be eligible to practice, compete and receive an athletics scholarship in your first year of full-time enrollment, you must meet the following requirements:

1. Earn 16 NCAA-approved core-course credits in the following areas:



2. Complete your 16 NCAA-approved core-course credits in eight academic semesters or four consecutive academic years from the start of ninth grade. If you graduate from high school early, you still must meet core-course requirements.
3. Complete 10 of your 16 NCAA-approved core-course credits, including seven in English, math or science, before the start of your seventh semester. Once you begin your seventh semester, any course needed to meet the 10/7 requirement cannot be replaced or repeated.
4. Earn a minimum 2.3 core-course GPA.
5. Ask your high school counselor to upload your final official transcript with proof of graduation to your Eligibility Center account.

EARLY ACADEMIC QUALIFIER

If you meet **specific criteria** after six semesters of high school, you may be deemed an early academic qualifier for Division I and may practice, compete and receive an athletics scholarship during your first year of full-time enrollment.

QUALIFIER

You may practice, compete and receive an athletics scholarship during your first year of full-time enrollment.

ACADEMIC REDSHIRT

You may practice during your first regular academic term and receive an athletics scholarship during your first year of full-time enrollment, but may NOT compete during your first year of full-time enrollment. You must pass either eight quarter or nine semester hours to practice in the next term.

NONQUALIFIER

You will not be able to practice, compete or receive an athletics scholarship during your first year of full-time enrollment.



DIVISION I

How to plan your high school courses to meet the 16 core-course requirement:

$$4 \times 4 = 16$$

9 th Grade	10 th Grade	11 th Grade	12 th Grade
(1) English (1) Math (1) Science (1) Social Science and/or other	(1) English (1) Math (1) Science (1) Social Science and/or other	(1) English (1) Math (1) Science (1) Social Science and/or other	(1) English (1) Math (1) Science (1) Social Science and/or other
4 Core Courses	4 Core Courses	4 Core Courses	4 Core Courses

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. 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. 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

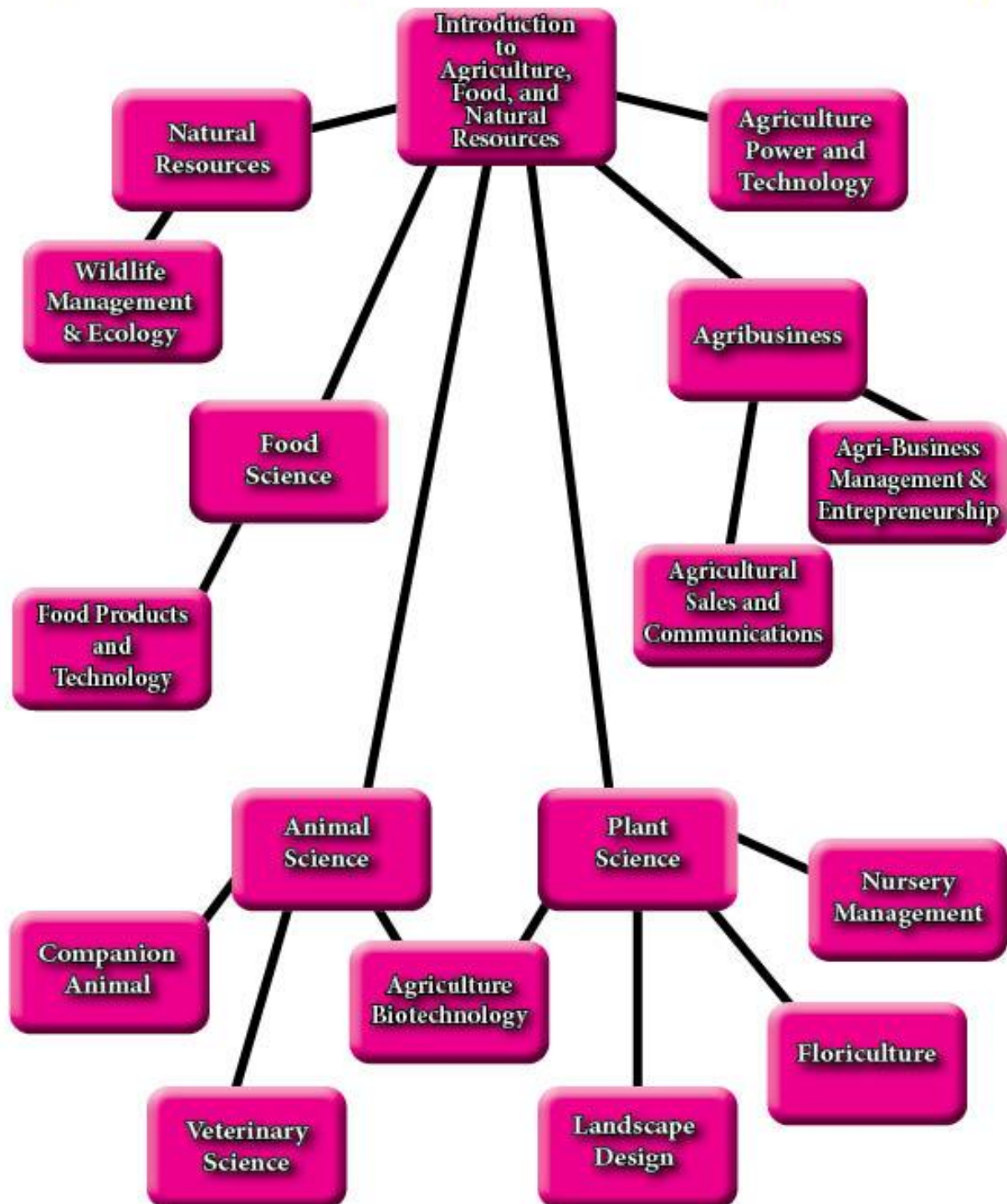
A program of study (POS) is a sequence of elective course offerings designed to prepare a student for a particular post-secondary education pathway or career area.

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 Agriculture, Food, and Natural Resources (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 AFNR
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: Veterinary Science (CASE)
Course Number: 617
Duration: 1 Term
Grade: 11-12
Prerequisites: Introduction to Agri-Science; Animal Science
Note: CASE: Curriculum for Agricultural Science Education; Not offered in 2026-2027; Offered in 2027-2028

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: Agriculture Biotechnology (CASE)
Course Number: 622
Duration: 1 Term
Grade: 11-12
Prerequisites: Introduction to AFNR; Plant Science or Animal Science
Note: Offered in 2026-2027; Not offered in 2027-2028

This course provides students with experiences in industry-appropriate applications of biotechnology related to plant and animal agriculture. Students will complete hands-on activities and projects.

Course Name: Plant Science (CASE)
Course Number: 628
Duration: 1 Term
Grade: 10-12
Prerequisites: Introduction to AFNR
Note: None

Plant Science is a foundational-level course where students study the production of plants while developing a grower's handbook. Areas of study include soils, hydroponics, plant anatomy and physiology, taxonomy, growing environments, reproduction, insects and diseases, production, and marketing.

Course Name: Floriculture
Course Number: 625
Duration: 1 Term
Grade: 11-12
Prerequisites: Introduction to AFNR; Plant Science
Note: Students will be charged a class fee.

This course examines the knowledge and skills used to produce and use floral plants. Topics include plant identification, fertilization, pest management, soils, and design.

Course Name: Nursery Management
Course Number: 630
Duration: 1 Term
Grade: 11-12
Prerequisites: Introduction to AFNR; Plant Science
Note: Offered in 2026-2027; Not offered in 2027-2028

This course examines the knowledge and skills needed to identify, produce, and manage horticultural plants. Topics include plant identification and production, nursery management, and development of schedules and estimates. Supervised agricultural experiences and FFA leadership programs and activities supplement classroom and lab activities.

Course Name: Landscape Design
Course Number: 633
Duration: 1 Term
Grade: 11-12
Prerequisites: Introduction to AFNR; Plant Science
Note: Offered in 2026-2027; Not offered in 2027-2028

This course examines the knowledge and skills used to produce and use horticultural plants. Students will be introduced to principles of landscape design, methods of establishing and maintaining landscapes, and landscape business management.

Course Name: Natural Resources
Course Number: 627
Duration: 1 term
Grade: 10-12
Prerequisites: Introduction to AFNR
Note: None

This course increases students' awareness of the close ties among living organisms as well as natural and environmental concerns with the interrelationships of living organisms and the world around us. Students are exposed to careers related to natural resources systems. Students also look closely at Nebraska's natural resources and management techniques. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities.

Course Name: Food Science (CASE)
Course Number: 634
Duration: 1 term
Grade: 10-12
Prerequisites: Introduction to AFNR
Note: None

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: Food Products and Technology (CASE)
Course Number: 635
Duration: 1 term
Grade: 11-12
Prerequisites: Introduction to AFNR; Food Science
Note: Not offered in 2026-2027; Offered in 2027-2028

This course is an in-depth study of the development of food products from a variety of agricultural industries. Students will study the nutritional value of foods along with applying scientific processes such as microbiology and chemistry to the development of food products. Students will also analyze and select appropriate storage, distribution and consumption of foods.

Course Name: Agriculture Power and Technology (CASE)
Course Number: 624
Duration: 1 term
Grade: 10-12
Prerequisites: Introduction to AFNR
Note: None

This course introduces selected major areas of agricultural mechanics and technology including metals, fluids, electricity, hydraulics, and machine design. Learning activities include basic understanding, skill development, and problem-solving.

Course Name: Agri-Business
Course Number: 691
Duration: 1 term
Grade: 10-12
Prerequisites: Introduction to AFNR
Note: None

This course prepares and engages students to take an in-depth look into today's agriculture industry through economic principles in agri-business and planning an agri-business. Students will also be exposed to various marketing techniques in agriculture and crop industries.

Course Name: Agricultural Sales and Communications
Course Number: 629
Duration: 1 Term
Grade: 11-12
Prerequisites: Introduction to AFNR
Note: Not offered in 2026-2027; Offered in 2027-2028

This course covers skills necessary to sell and market agricultural products and the development of effective communication skills.

Course Name: **Wildlife Management and Ecology**
Course Number: 681
Duration: 1 Term
Grade: 10-12
Prerequisites Introduction to AFNR
Note: Offered in 2026-2027; Not offered in 2027-2028

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

Course Name: **Equine/Companion Animal**
Course Number: 618
Duration: 1 Term
Grade: 11-12
Prerequisites Introduction to AFNR; Animal Science
Note: Offered in 2026-2027; Not offered in 2027-2028

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

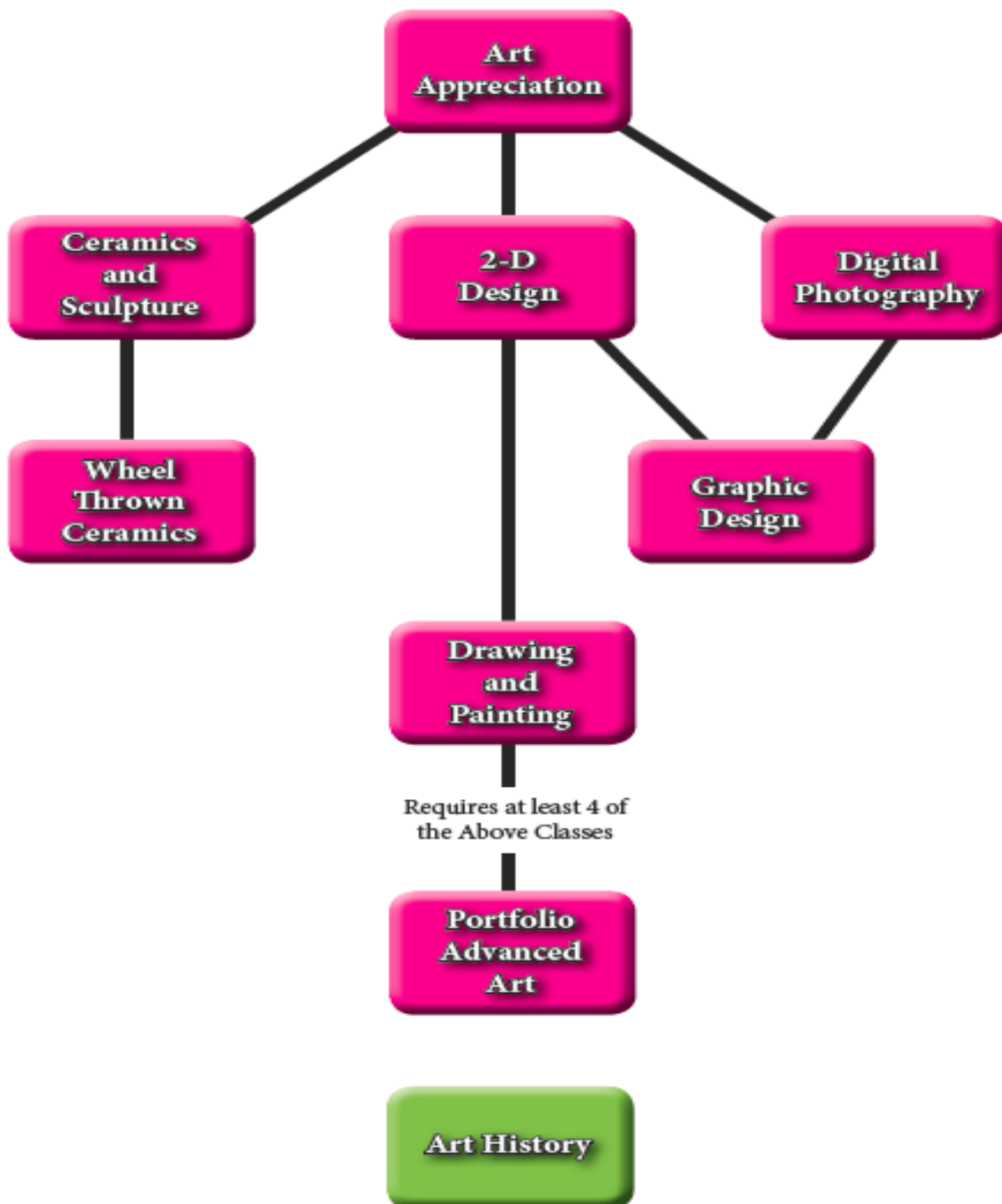
Course Name: **Agri-Business Management & Entrepreneurship**
Course Number: 691
Duration: 1 Term
Grade: 11-12
Prerequisites Introduction to AFNR; Agri-Business
Note: Not Offered in 2026-2027; Offered in 2027-2028

This course covers skills necessary for creating and managing an agricultural business. The course includes the study of business planning, creating and analyzing financial information, developing business plans, and applying sales and marketing principles.

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 \$15 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 \$15 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.

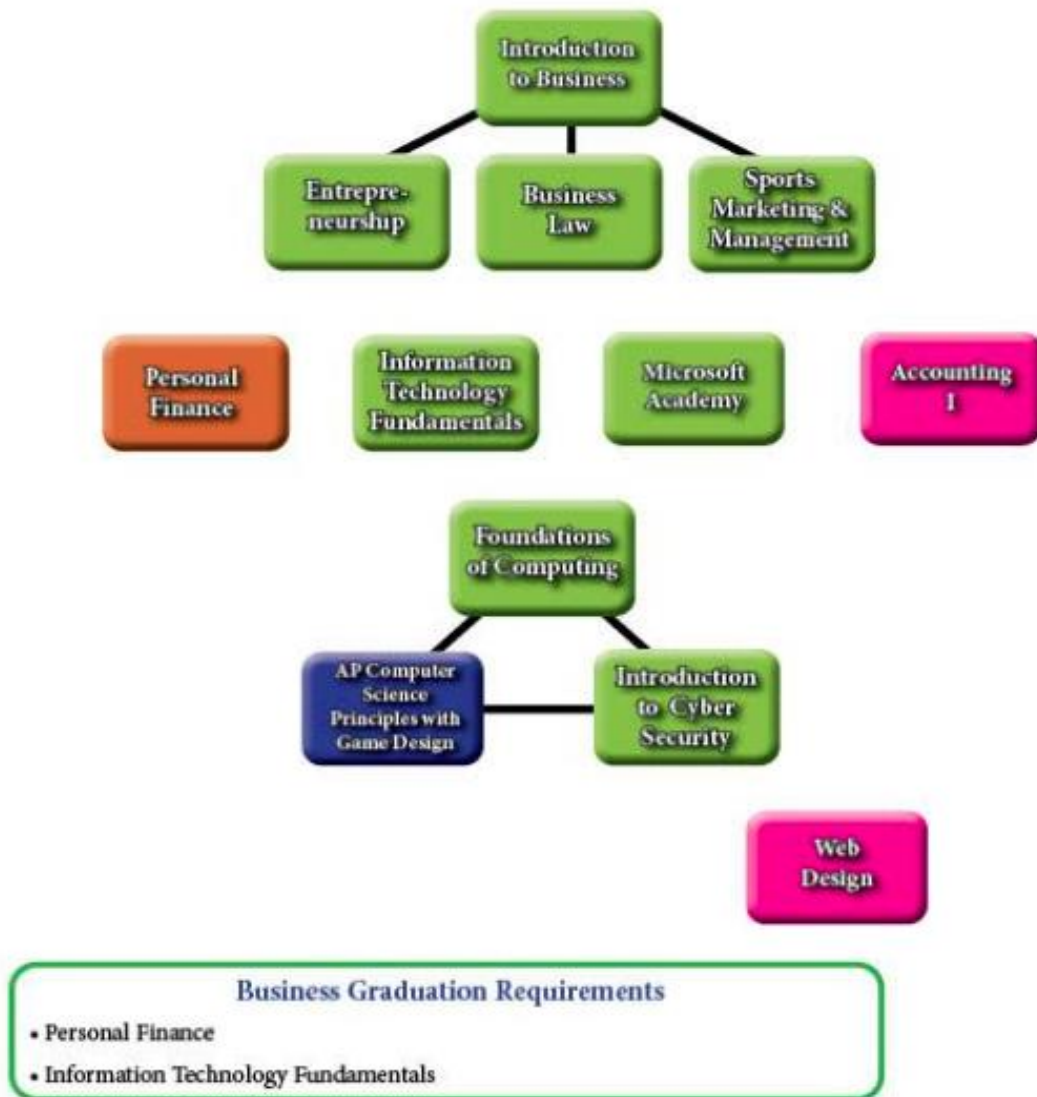
Course Name: **Art History**
Course Number: 726Z
Duration: 1 Term
Grade: 10-12
Prerequisites: None
Note: 5th Period, 44-Minute Class

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: None
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
Course Number: 852
Duration: 1 Term
Grade: 10-12
Prerequisites: Introduction to Business, Marketing and Management
Note: Not Offered in 2026-2027; Offered in 2027-2028

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: **Business Law**
Course Number: 853
Duration: 1 Term
Grade: 10-12
Prerequisites: Introduction to Business, Marketing and Management
Note: Offered in 2026-2027; Not Offered in 2027-2028

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: **IT Fundamentals**
Course Number: 829
Duration: 1 Term
Grade: 9-12
Prerequisites: None
Note: Counts as computer graduation requirement

This course develops students' abilities to analyze, evaluate, strategize, and reflect upon technologies such as computer hardware/software, web technologies, databases, networking, security, and software development. Students will be introduced to ever-changing information technology careers along with developing positive and ethical behaviors/practices.

Course Name: **Web Design**
Course Number: 830
Duration: 1 Term
Grade: 9-12
Prerequisites: None
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: **Foundations of Computing**
Course Number: 823
Duration: 1 Term
Grade: 9-12
Prerequisites: None
Note: Counts as computer graduation requirement

This course is for students who have never programmed before and serves as an introductory course for computer science. Students will explore the impact of computing on society, build computation-thinking skills by applying computer science to collaboration tools, modeling and simulation, and data analysis.

Course Name: **Introduction to Cyber Security**
Course Number: 825
Duration: 1 Term
Grade: 9-12
Prerequisites: Foundations of Computing

Note: Offered in 2026-2027; Not offered in 2027-2028

Students will study the fundamental implications of technology, the history of securing information and the relationship to the evolution to technology, and the need to securely transmit and store information. This is not a “hacking” class; instead, it will study the ways computers, programs, networks, and people are exploited by hackers, and what can be done to prevent or minimize the type of damage done by hacking.

Course Name: Sports and Entertainment Marketing
Course Number: 852
Duration: 1 Term
Grade: 10-12
Prerequisites: Introduction to Business, Marketing and Management
Note: None

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: Advanced Placement Computer Science Principles with Game Design
Course Number: 827
Duration: 2 Terms
Grade: 10-12
Prerequisites: Foundations of Computing or IT Fundamentals is recommended
Note: Not Offered in 2026-2027; Offered in 2027-2028

What if you could learn to code and create your own video games—all while exploring how computer science shapes the world? AP Computer Science Principles with Game Design is an exciting, hands-on course where you'll learn the fundamentals of computer science and use them to design and build games using Unity and C#.

Students will learn core computer science concepts by discovering how algorithms, data, and technology impact our daily lives while exploring how to solve real-world problems through computing. Students will also design and build their own games by using Unity, the same game engine behind many professional games, turning ideas into playable creations.

Other student outcomes include: Developing problem-solving skills by learning how computer scientists think by breaking down problems and building solutions step by step and Earning college credit by taking the exam while showcasing skills to colleges/universities.

This course is all about creativity and exploration—whether you're designing your first game or diving into computer science for the first time. No prior coding experience is required. This is your chance to find out how games are made or how computer science connects to the “real” world.

Course Name: Microsoft Academy – (Word, Excel, and PowerPoint)
Course Number: 833
Duration: 1 Term
Grade: 10-12
Prerequisites: None
Note: None

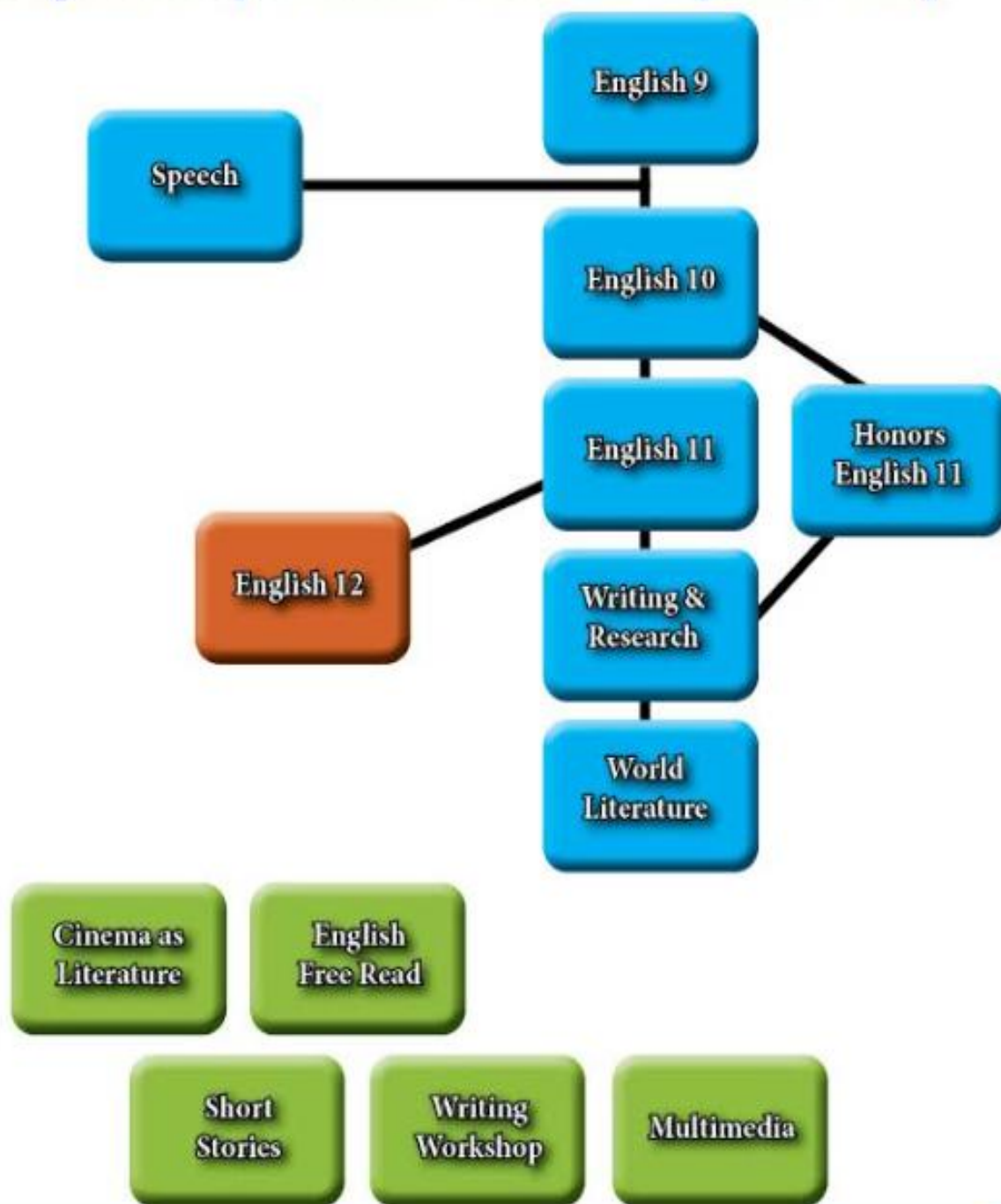
This is a self-paced course designed to allow students to earn their User Specialist endorsement from Microsoft in Word, Excel, PowerPoint, and/or Access. Students will use their time to complete online curriculum provided by Nebraska IT Initiative. At the completion of the curriculum for each program (i.e. Word, Excel, PowerPoint, Access,) students will test in order to receive a 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
Period 5 Courses							
160Z	Multimedia	5	10-12		Teacher Approval		
161Z	Yearbook	5	10-12		Teacher Approval		
126Z	Cinema as Literature	5	10-12		"C" or better in previous English courses		
127Z	English Free Read	P/F	10-12				
128Z	Writing Workshop	P/F	10-12				
124Z & 134Z	Short Stories I & II	5	10-12		"B" or better in previous English courses		

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 analysis, research, 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 20th 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* or *1984* 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 **Dual Credit**
Course Number: 146
Duration: 1 Term
Grade: 12
Prerequisites: English 11 or Honors English 11
Note: Students may earn college credit for this course.

Through 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 **Dual Credit**
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: Short Stories I & II
Course Number: 124Z & 134Z
Duration: 1 Term
Grade: 10-12
Prerequisites: English 9
Note: 5th Period, 44-Minute Class; Not Offered in 2026-2027; Offered in 2027-2028

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: Multimedia / Yearbook
Course Number: 160Z / 161Z
Duration: 2 or 4 Terms
Grade: 10-12
Prerequisites: Teacher Approval – Application in January
Note: 5th 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: 5th Period, 44-Minute Class; Pass/Fail

Students in this class will spend 5th 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: **Writing Workshop**
Course Number: 128Z
Duration: 2 Terms
Grade: 10-12
Prerequisites: None
Note: 5th Period, 44-Minute Class; Pass/Fail; Offered in 2026-2027; Not offered in 2027-2028

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: **Cinema as Literature**
Course Number: 126Z
Duration: 2 Terms
Grade: 10-12
Prerequisites: None
Note: 5th Period, 44-Minute Class; Not offered in 2026-2027; Offered in 2027-2028

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.

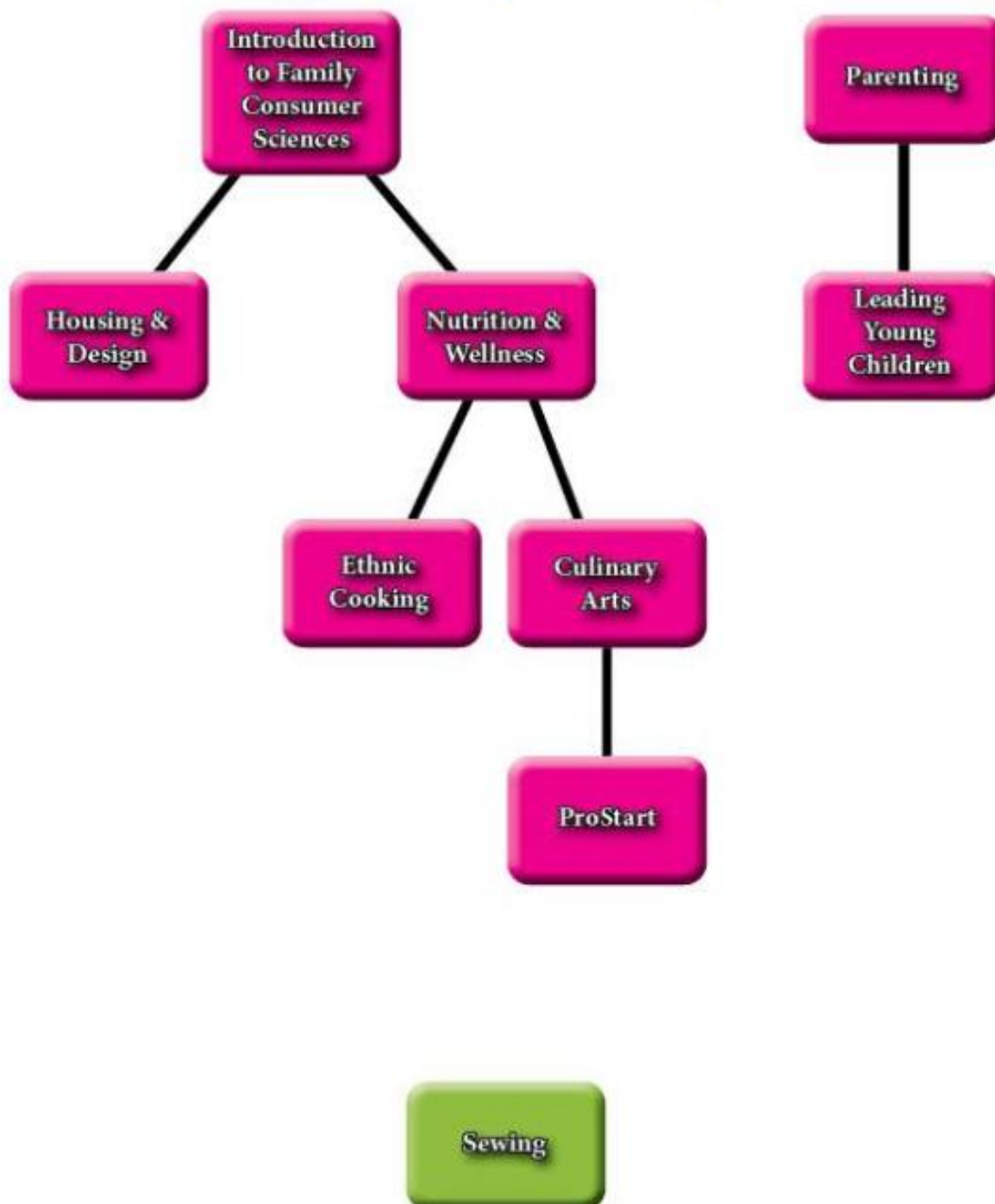
Course Name: **Competitive Speech**
Course Number: 159Z
Duration: 2 Terms
Grade: 10-12
Prerequisites: Speech
Note: 5th Period, 44-Minute Class Offered 3rd & 4th Terms; Saturday Speech meets required

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.

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 5th Period, 44-Minute Class, Offered 1st & 2nd 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: Housing and Interior Design
Course Number: 1231
Duration: 1 Term
Grade: 10-12
Prerequisites: Intro to Family and Consumer Science
Note: Not offered in 2026-2027; Offered in 2027-2028

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: **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. Offered in 2026-2027; Not Offered in 2027-2028.

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-hg>
Prerequisites: Nutrition & Wellness; Introduction to FCS
Note: Students are charged \$20 per term for consumable supplies. Offered in 2026-2027; Not offered in 2027-2028.



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: 5th Period, 44-Minute Class 3rd & 4th 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

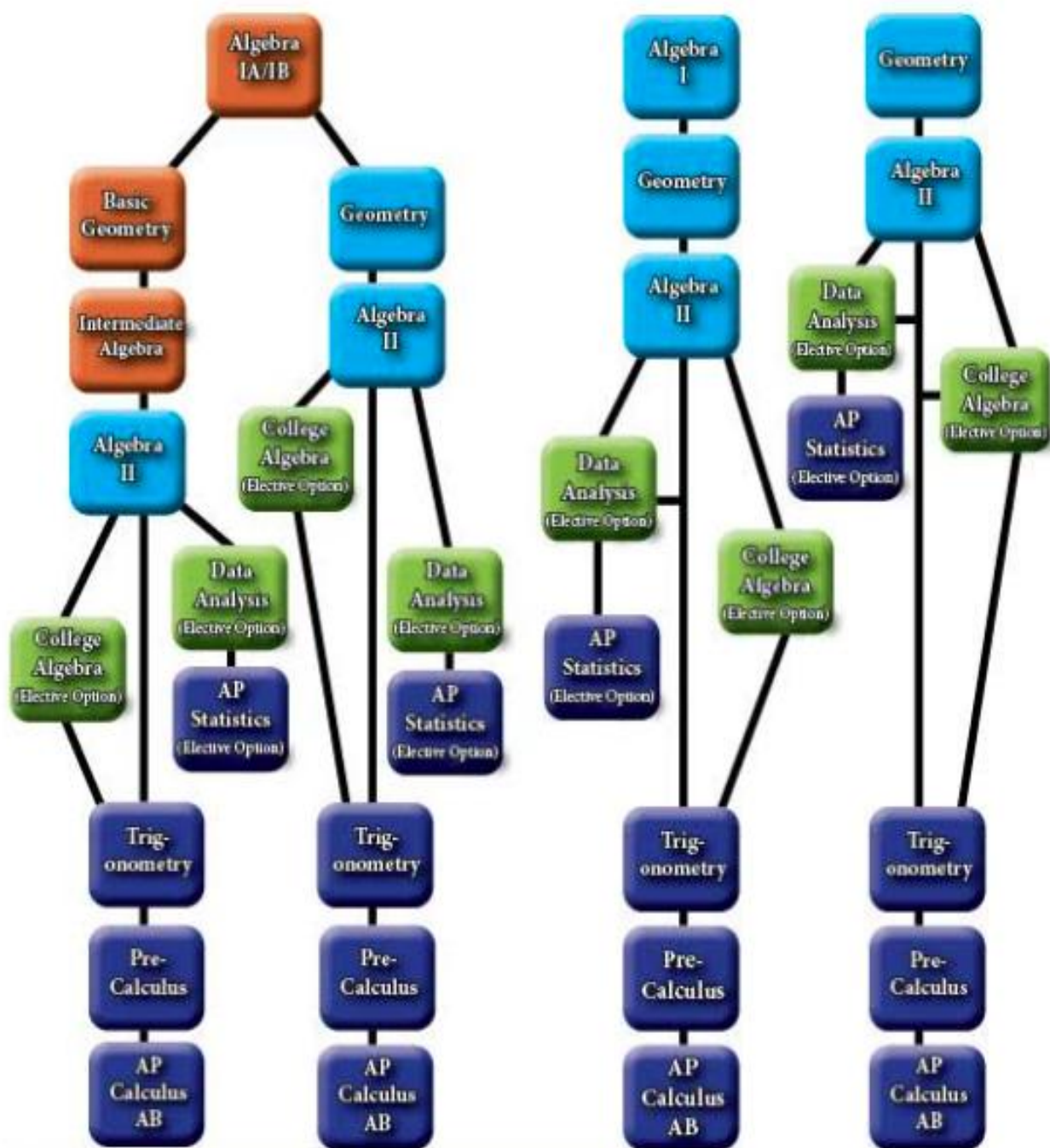
The math curriculum begins with the philosophy that mathematics is an essential continual process in every aspect of a person's professional and personal life. The Seward High School program seeks to make math relevant by moving students from their experiences in the real world to the world of math through 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 fall and 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/Algebra IC	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
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/Algebra IC
Course Number: 233/234
Duration: 3 Terms
Grade: NA
Prerequisites: None
Note: 15 credits

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/IC
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/IC or MS Equivalent
Note: Students must 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: Algebra II
Course Number: 231
Duration: 2 Terms
Grade: 10-12
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 **Dual Credit**
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 must have earned a "C" or better in Algebra II. 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: 10-12
Prerequisites: Algebra II
Note: This class must be completed before taking AP Statistics.

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: 10-12
Prerequisites: Algebra II
Note: Students must have earned a "C" or better in Algebra II.

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 must have completed Algebra II and 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** **Dual Credit**
Course Number: 244
Duration: 3 Terms
Grade: NA
Prerequisites: Pre-Calculus
Note: Dual Credit available through Concordia University-Seward or Nebraska Wesleyan University. Students must 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.

Course Name: **Advanced Placement Statistics** **Dual Credit**
Course Number: 248
Duration: 1 Term
Grade: 10-12
Prerequisites: Data Analysis
Note: Students may take this class for SCC dual credit or take the AP test.

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 1st & 2nd 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 1st and 2nd 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 3rd & 4th 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 semester, 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 3rd 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: None
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 3rd 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

Dual Credit

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: 5th 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 \$25 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. Other costs for auditions may be included depending on students' interests.

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: 5th 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 \$25 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 2nd 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 cappella 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 3rd Term Only or as a First Period Skinny

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.

Course Name: **Show Choir**
Course Number: 2010
Duration: 1 Term
Grade: 9-12
Prerequisites: Audition Only
Note: Offered 1st or 2nd Term Only; Must audition in the spring to join

This class is intended for the varsity singers/dancers only. Auditions are held in the spring to be a member of the group and be admitted to this class. This group will begin rehearsing in August and continue rehearsing through May even when the class isn't offered. There are two main focuses of the class. One is to prepare music and dance for upcoming performances. Performances may include the competition season, concerts, school, and community events. The second is to provide the opportunity and time to grow as performers and leaders. Students will spend time working as a large ensemble and in small groups developing their singing, dancing, and performing skills. At times, students will lead their peers in dance and singing as they prepare for each performance opportunity.

Course Name: **Ukulele**
Course Number: 1434
Duration: 1 Term
Grade: 9-12
Prerequisites: None
Note: None

This class is for any student who has wanted to learn how to play ukulele or those who previously had some ukulele or guitar experience. This is also a gateway to learning to play guitar. Students will learn to read basic staff and tab notation, fundamental chords, and strumming patterns to be able to perform a variety of songs.

Course Name: **Percussion Technique and Ensemble**
Course Number: 1409
Duration: 1 Term
Grade: 9-12
Prerequisites: None
Note: None

This class is for any student who wants to learn to play percussion instruments or percussionists who would like to improve their skills. Students will learn to read music

notation for percussion instruments and how to execute basic to advanced sticking patterns and techniques. Students will also learn about the history of percussion instruments as well as the variety of percussion instruments throughout the world. Students will perform at concerts, held at the end of a quarter.

Course Name: **Beginning Piano**

Course Number: 1429

Duration: 1 Term

Grade: 9-12

Prerequisites: None

Note: None

This class is for any student who has wanted to learn how to play the piano or those who previously had some piano experience. Students will learn to read staff notation, including notes' name, rhythmic notation, and expressive notations, to perform a variety of pieces on piano. Students will be exposed to a variety of musical styles, and will learn brief histories about composers and time periods from which specific pieces are taken. Students will have in-class performances, and may have performance opportunities outside of class.

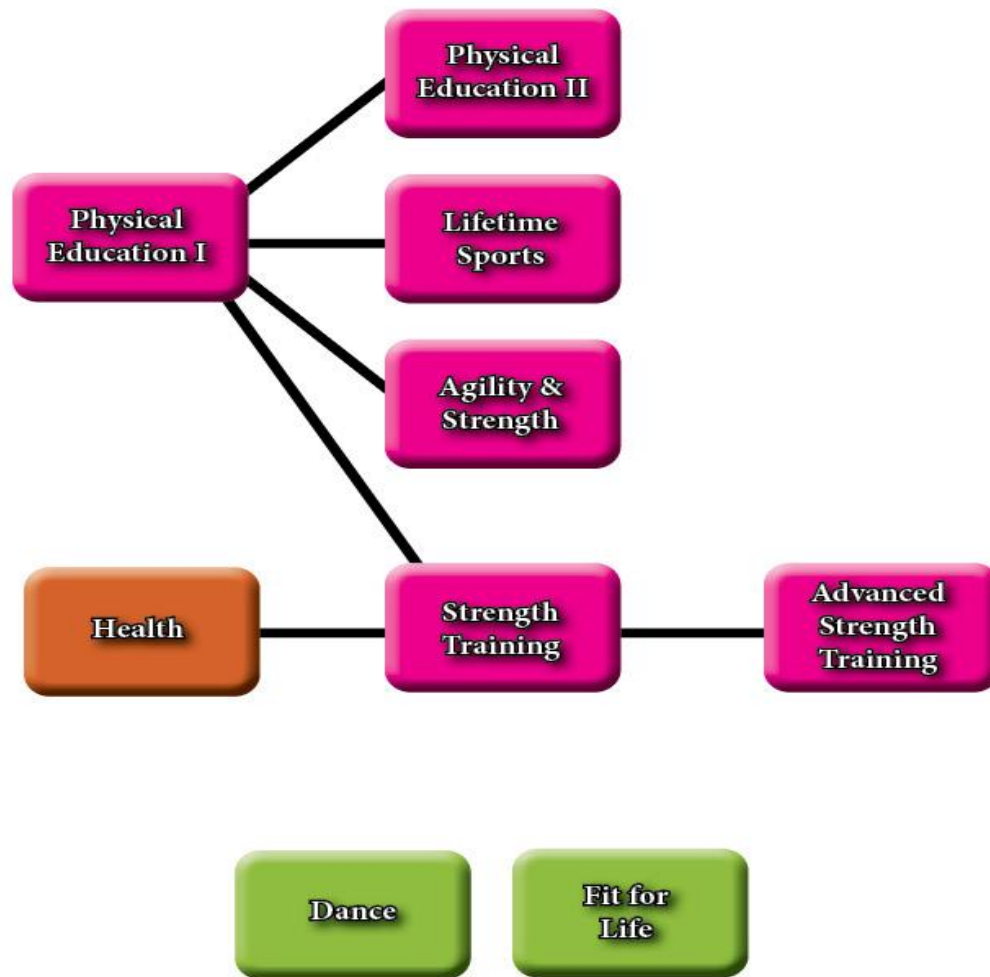
Band / Choir Skinny Pathways for 2026-2027 (Subject to Change)

Grade	Semester 1		Semester 2	
	Period IA	Period IB	Period IA	Period IB
9	PE I	PE I	Health	Health
	Marching Band	Choir	Symphonic Band	Choir
	IT Fundamentals	IT Fundamentals	IT Fundamentals	IT Fundamentals
	History of Pop Music	Jazz Band		Jazz Band
Grades 10-12	March/Symph Band	Choir	Symphonic Band	Choir
	Speech	Speech	Speech	Speech
		Jazz Band		Jazz Band
	Strength Training	Strength Training	Strength Training	Strength Training
			Personal Finance	Personal Finance
	Portfolio Adv. Study (12 th)	Portfolio Adv. Study (12 th)	Lifetime Sports	
	History of Pop Music		Portfolio Adv. Study (12 th)	Portfolio Adv. Study (12 th)
	IT Fundamentals	IT Fundamentals	IT Fundamentals	IT Fundamentals
			Vocal Jazz	
	CA Online (11 th /12 th)	CA Online (11 th /12 th)	CA Online (11 th /12 th)	CA Online (11 th /12 th)
	SCC Dual Credit (11 th /12 th)	SCC Dual Credit (11 th /12 th)	SCC Dual Credit (11 th /12 th)	SCC Dual Credit (11 th /12 th)

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: 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: None
Note: 5th 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: 1532A/1532B
Duration: 1 Term
Grade: 9-12
Prerequisites: 86%+ to repeat
Note: Offered as a 44-Minute Class

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 are in a competitive sports' season will be given priority over other students 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: 5th Period, 44-Minute Class

Advanced Strength Training has higher expectations and increased content in all of the areas listed in the Strength Training class, including units in weight training, nutrition, speed, and agility training.

Course Name: **Agility and Strength**
Course Number: 1532
Duration: 1 Term
Grade: 9-12
Prerequisites: None
Note: None

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: 5th Period, 44-Minute Class

This course 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: Fit for Life
Course Number: 1531Z
Duration: 2 Terms
Grade: 10-12
Prerequisites: None
Note: 5th Period, 44-Minute Class

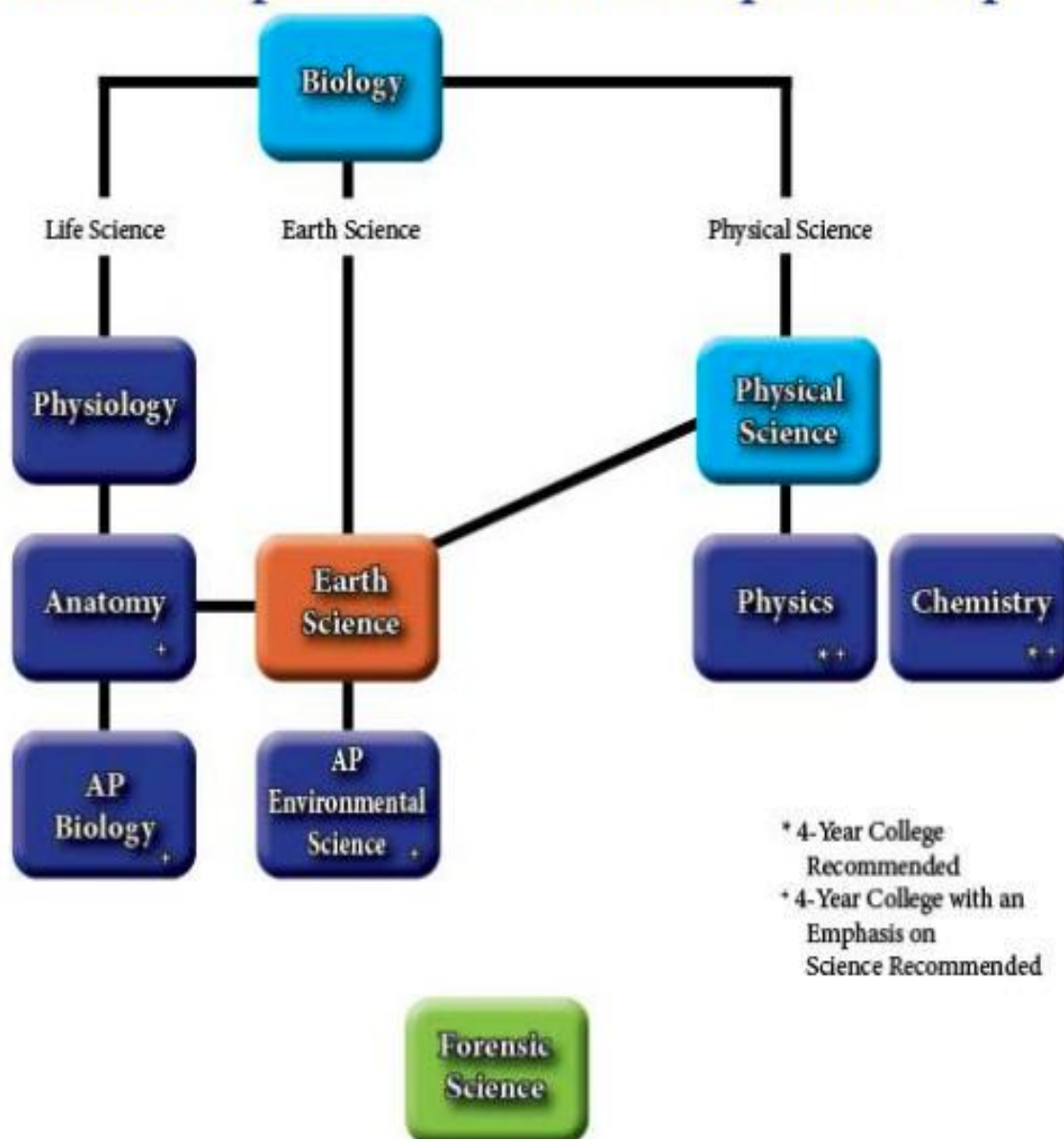
This course is designed to give students a variety of different lifelong physical fitness opportunities. The emphasis will be on learning new and fun ways of exercising and will target all areas of fitness (cardio, strength and flexibility). The course will include activities such as yoga, pilates, kick-boxing, 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; Trig	X	X
330	Earth Science	10	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 and Physical Science	X	X
Period 5							
334Z	Forensic Science	5	11-12		Biology, Phy.Science		

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 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 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; 80%+, Physical Science, Trigonometry recommended
Note: None

Physics is an advanced science course that will continue students’ investigations from Physical Science. Students should have successfully completed Physical Science, Algebra II, and Trigonometry as many topics covered in this course will use skills learned in those classes. Students will learn more about abstract concepts and theoretical investigations into interactions of matter and energy, velocity, acceleration, force, energy, momentum, and charge. Students investigate physics concepts through experience in laboratories and fieldwork using the processes of inquiry. The lab and inquiry process will be guided by the scientific method and problem-solving process. By taking this course, students will have a proper base for a college-level physics course if they choose to continue to take higher level physics or engineering courses.

Course Name: Earth Science
Course Number: 330
Duration: 2 Terms
Grade: 10-12
Prerequisites: Biology and Physical Science
Note: None

Earth Science is a class dedicated to understanding the interactions between the earth’s place in the universe, Earth’s systems, and the resulting effects of human activities on Earth’s resources. This course surveys key topic areas including the formation, evolution, and

workings of the solar system. Time will also be spent on plate tectonics and large-scale system interactions including the role of water on Earth. These concepts are evaluated through the lens of how human interactions impact natural resources, natural hazards, and global climate change. Skill emphasis is on product creation, communication, and writing with evidence.

Course Name:	Advanced Placement Biology	Dual Credit
Course Number:	341	
Duration:	2 Terms	
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. 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	Dual Credit
Course Number:	344	
Duration:	2 Terms	
Grade:	10-12 (10 th grade – Teacher recommendation)	
Prerequisites:	Grade of 'B' or better in Biology and Physical Science; Chemistry suggested	
Note:	Students may earn college credit for this course.	

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. Juniors and seniors also have the opportunity to earn college credit through Concordia University.

Course Name:	Forensic Science
Course Number:	334Z
Duration:	2 Terms
Grade:	11-12
Prerequisites:	Biology and Physical Science
Note:	5 th 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.

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 skilled and technical sciences 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: Introduction to Woodworking
Course Number: 1314
Duration: 1 Term
Grade: 9-12
Prerequisites: Intro to STS
Note: Students are charged \$15 per term for shop 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: Intro to Woods; Instructor Approval; 95% to repeat once
Note: Students are charged \$15 per term for shop supplies. Students are also charged for any school-supplied lumber used in projects.

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: Welding
Course Number: 1335
Duration: 1 Term
Grade: 10-12
Prerequisites: None
Note: Students are charged \$15 per term for shop supplies.

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 with a 100% prior to welding.

Course Name: **Welding II**
Course Number: 1337
Duration: 2 Terms
Grade: 11-12
Prerequisites: Welding with a "B" or higher
Note: 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: **Introduction to Skilled and Technical Science**
Course Number: 1347
Duration: 1 Term
Grade: 9-12
Prerequisites: None
Note: Students will be charged a \$20 fee for materials.

Students will learn basic knowledge of the STS classes at SHS. Students will learn the foundations of engineering, design, welding, and woodworking. Learning how to run the CNC machines in the shop is also emphasized. Students will also receive an OSHA 10 card by completing the online training as part of the course curriculum. The OSHA 10 card may be used in order to job shadow or gain future employment.

Course Name: **Robotics**
Course Number: 1336Z
Duration: 1 Term
Grade: 10-12
Prerequisites: Introduction to STS
Note: Students will be charged a \$15 fee for materials.

Students will learn to program robots for various purposes. Following the VEX Robotics curriculum to learn the basics of computer building and programming, students will work with an individual robot and then as part of a team to complete a robotics game.

Course Name: **Home Systems Troubleshooting**
Course Number: 1341
Duration: 1 Term
Grade: 11-12
Prerequisites: Advanced Woods
Note: Students will be charged a \$10 fee for materials.

In this introductory-level course, students will have the opportunity to learn about topics such as basic car care, residential wiring, framing, carpentry, plumbing, welding, and engineering.

Course Name: **3-D Animation / Adv 3-D Animation**
Course Number: 1352
Duration: 2 Terms
Grade: 9-12
Prerequisites: None
Note: None

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.

Course Name: **Advanced AED**
Course Number: 1349
Duration: 1 Term
Grade: 10-12
Prerequisites: AED
Note: None

Advanced AED will include units on drafting, model building, and CAD (Arch. Desktop, Revit, Sketch up). Projects will include the glass house, floor plans, house design, home builders' project, commercial, and civic design.

Course Name: **Mechanical Engineering and Design (MED)**
Course Number: 1350
Duration: 1 Term
Grade: 9-12
Prerequisites: None
Note: None

MED will introduce basic design, drawing techniques, CAD (Inventor), product design, material engineering, and manufacturing.

Course Name: **Advanced MED**
Course Number: 1351
Duration: 1 Term
Grade: 10-12
Prerequisites: MED
Note: None

Advanced MED will include units on drafting, inventor: solid works, master cam, CNC milling, CNC lathe, programming, part design, manufacture, and quality assurance.

Course Name: **SkillsUSA Employability**
Course Number: 1360Z
Duration: 2 Term
Grade: 11-12
Prerequisites: None
Note: Students should be SkillsUSA members.

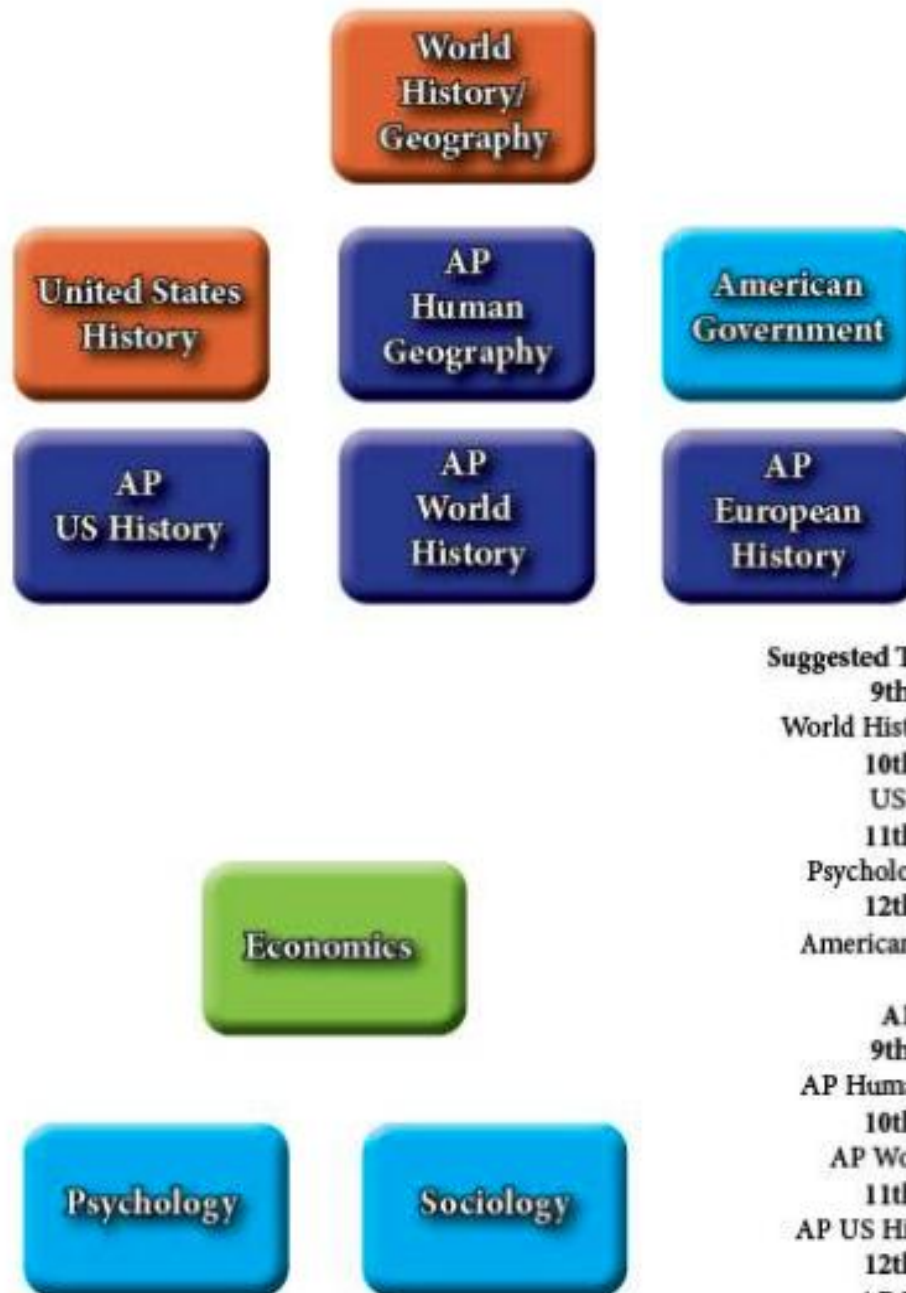
Students will develop a career-ready portfolio while developing, demonstrating, and assessing the most in-demand employability skills as identified by industry. Students will also develop leadership and technical skills along with projects to prepare for the State SkillsUSA Conference in April.

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	World History/Geography	10	9-12	X		X	X
438	Advanced Placement Human Geography	10	9-12		Teacher recommendation	X	X
439	U.S. History	10	10-12	X		X	X
448	Advanced Placement U.S. History	10	10-12			X	X
450	Advanced Placement World History	10	10-12			X	X
441	American Government	10	10-12	X		X	X
432	Psychology	5	11-12			X	X
433	Sociology	5	11-12			X	X
434	Advanced Placement European History	10	10-12				X

Social Studies Department Course Sequence Map



Suggested Traditional Path:

9th Grade:

World History/Geography

10th Grade:

US History

11th Grade:

Psychology/Sociology

12th Grade:

American Government

AP Path:

9th Grade:

AP Human Geography

10th Grade:

AP World History

11th Grade:

AP US History Pre/Post

12th Grade:

AP European History/Government

Social Studies Graduation Requirements

- 35 Credits (World History or AP World History, 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.

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 (Colonial Times to Present)**
Course Number: 448
Duration: 2 Terms 
Grade: 10-12
Prerequisites: None
Note: May take the place of U.S. History for graduation requirements. 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 the present. 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.

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 Concordia 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: **Economics**
Course Number: 837Z
Duration: 2 Terms
Grade: 10-12
Prerequisites: Introduction to Business, Marketing and Management
Note: Offered in 2025-2026; Not Offered in 2026-2027

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: **Advanced Placement World History (1200 to Present)**
Course Number: 450
Duration: 2 Terms 
Grade: 10-12
Prerequisites: AP Human Geography preferred
Note: Students may earn college credit for this course. Students are responsible for college costs.

AP World History is an introductory college-level modern world history course. Students cultivate their understanding of world history from c. 1200 CE to the present through analyzing historical sources and learning to make connections and craft historical arguments as they explore concepts like humans and the environment, cultural developments and interactions, governance, economic systems, social interactions and organization, and technology and innovation.

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	Spanish I	10	9-12		Prior English		X
1122	Spanish II	10	9-12		Spanish I		X
1123	Spanish III	10	10-12		Spanish II		X
1124	Spanish IV	10	10-12		Spanish III		X
Period 5							
1125Z	Spanish V	5	11-12		Spanish IV		X

Spanish Department Course Sequence Map



Spanish Graduation Requirements

- Students planning to attend a post-secondary institution are encouraged, often required, 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 2nd 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.

Dual Credit

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. Students 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: 5th Period, 44-Minute Class; Students may earn college credit for this course. Students are responsible for college costs.

Dual Credit

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. Students also have the opportunity to earn college credit through Concordia University.

Period 5 Course Offerings

Cour se #	Course Name	Grade Level	Sem Offered	Prerequisites	Notes
1000	Access	9-12	1 & 2	None	
726Z	Art History	10-12	1	None	
1244Z	Sewing	10-12	2	Previous FCS class	
1336Z	Robotics	10-12	1 or 2	Intro to Skilled & Tech Sci	
1218Z	Parenting	10-12	1	None	
1418Z	Wind Ensemble	9-12	1 & 2	Audition Only	Semester or Yearlong
1411Z	Select Choir	10-12	1 & 2	Audition Only	Semester or Yearlong
1531Z	Fit for Life	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	None	
124Z	Short Stories I	10-12	1 or 2	None	Offered every other year
134Z	Short Stories II	10-12	1 or 2	None	Offered every other year
126Z	Cinema as Literature	10-12	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.
161Z	Yearbook	10-12	1 & 2		Produces yearly yearbook.
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	11	2	None	All juniors are enrolled in this class.
334Z	Forensic Science	11-12	1 or 2	Biology and Physical Science	
1125Z	Spanish V	11-12	2	Spanish IV	Can earn college credit
2111Z	Junior Jays Mentoring	12	1 & 2	Application process	
1030Z	AP Study	10-12	2	Enrolled in 1 st or 2 nd Semester AP course	

Additional Opportunities

Course Name:	Senior Work Experience
Course Number:	1680Z
Duration:	2 or 4 Terms
Grade:	12
Prerequisites:	Administrator Approval
Note:	5 th Period Class

Seniors may choose to work during 5th 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.

Course Name:	Portfolio – Advanced Study
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.

Course Name:	JAG – Jobs for America’s Graduates
Course Number:	1005
Duration:	2 Terms
Grade:	9-12
Prerequisites:	None
Note:	Instructor Approval Only

This course empowers students with the personal and professional development skills and support to achieve success in high school graduation, further education, and employment following graduation. JAG Nebraska integrate project-based learning and employer engagement through hands-on, realistic learning experiences where students master up to 87 competencies translatable to the work force. JAG also provides leadership development experiences through extracurricular activities which include student-led planning and engagement for public service and social awareness projects and activities in addition to participation in state and national JAG conferences throughout the school year.

College Credit in High School

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	3	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; DU – Doane 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 – SOUTHEAST COMMUNITY COLLEGE AND DOANE UNIVERSITY

Description: Juniors and Seniors may take select online learning courses through Southeast Community College and Doane University. All courses are regular first-year offerings from SCC and Doane. 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 or Doane transcripts. Students/parents are responsible for the cost of tuition and books for this class.

Prerequisites: “B” cumulative average or higher.

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.

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.