

## FHS Course Book 2021/2022

### 9th Grade - Core Classes

Department	Course Name	Prerequisite	Grade Level	Course Length	Brief Description
CTE	Introduction to Technology	N/A	9th	Semester	Students in Computer I learn the most frequently used computer programs, such as Microsoft Word, Power Point, Excel, Internet Explorer, basic email, as well as computer fundamentals and history. This one semester course is required for graduation.
Health	Health Education	N/A	9th	Semester	This course provides a survey of overall health concepts as directed by the SD state standards for Health. Students cannot graduate from FHS without passing a semester of Health..
Language Arts	ELA 9	N/A	9th	Year long	This course provides a survey of literature and composition as directed by the SD state standards for English-Language Arts. Students must pass this course to qualify for ELA 10. Students cannot graduate from FHS without passing both semesters of ELA 9.
Math	Transition to Algebra	Teacher recommendation	9th	Year long	This course provides additional help and support in high school math to students who need to build skills necessary to be successful in Algebra I. Recommendation into this class is based on MAP testing, 8th math grades, and overall work ethic. This class will count towards math graduation credit.
Math	Algebra I	Passing scores in 8th grade math and MAP scores showing ability to be successful in Algebra I.	9th, 10th*	Year long	This course provides a survey of Algebra I concepts as directed by the SD state standards for Math. Students must pass this course to qualify for any subsequent math courses. Students cannot graduate from FHS without passing both semesters of Algebra I.
Math	Algebra II	Passing scores in Algebra I	9th*, 10th, 11th*	Year long	This course provides a survey of Algebra II concepts as directed by the SD state standards for Math. This class will count towards math graduation credit.
Physical Education	Physical Education	N/A	9th	Semester	This course provides a survey of physical fitness concepts as directed by the SD state standards for Physical Education. Students cannot graduate from FHS without passing a semester of Physical Education.
Science	Biology	N/A	9th	Year long	Students in biology develop problem-solving and critical thinking skills as they study the ecology, the cell, characteristics of life, heredity, DNA, diversity, plants, animals, human systems, the environment, and simple organisms. Spending 20 percent of class time in the lab, students also learn the scientific method.
Science	Physical Science	Teacher Recommendation Only	9, 10, 11, 12	Year Long	Only by teacher recommendation. Focus one half of the year of basic chemistry and half of year of basic physics concepts.
Social Studies	Geography	N/A	9th	Semester	Students in this required class will study maps and the physical features of different regions of the world. They will recognize the interdependence of people and their

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### 9th Grade - Electives

Department	Course Name	Prerequisite	Grade Level	Course Length	Brief Description
Ag	Animal Science 1	N/A	9, 10,	Fall Semester	Fundamental Animal Science will address the basic knowledge and skills necessary to care for and meet the needs of animals, along with soft skills necessary for careers in the Agriculture, Food and Natural Resources sector. Topics addressed in the course include: animal anatomy and physiology, animal health, safely working with animals, animal nutrition, reproductive systems, animal performance, animal industry issues, and employability
Ag	Animal Science 2	Animal Science 1	9/10	Spring Semester	Advanced Animal Science will address the advanced knowledge and skills necessary to care for and meet the needs of animals, along with soft skills necessary for careers in the Agriculture, Food and Natural Resources sector. Topics covered include: animal health care practices, nutrition management, reproductive practices, medical terminology, animal classification, surgical techniques, and employability skills. Advanced Animal Science has an increased focus on the veterinary portion of animal husbandry.
Business	Introduction to Business	N/A	9, 10, 11, 12	Semester	Introduction to Business introduces students to the world of business, including the concepts, functions, and skills required for meeting the challenges of operating a business on a local, national, and international scale. The course will focus on all aspects of business: the domestic and international economics, financial principles, management strategies, administrative and information systems, ethics, and organizational and professional leadership. Students will analyze the elements of the business environment and focus on attitudinal and problem-solving skills inherent to success.
Business	Business Management	N/A	9, 10, 11, 12	Semester	Business Management focuses on the development of the planning, organizing, leading, and controlling functions required for the production and delivery of goods and services. This applied knowledge course addresses the management role of utilizing the businesses' resources of employees, equipment, and capital to achieve an organization's goals.
Business	Accounting I	N/A	9, 10, 11, 12	Semester	Accounting is the language of business and an integral aspect of all business activities. Accounting I introduces concepts and principles based on a double entry system of maintaining financial records for a sole proprietorship, partnership, and corporation. It includes analyzing business transactions, journalizing, posting, and preparing worksheets and financial statements. Technology will be incorporated as an essential tool where resources are available. Computerized accounting may be

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					incorporated where resources are available.
Business	Marketing Principles	N/A	9, 10, 11, 12	Semester	Marketing Principles introduces the student to the basic concepts of modern marketing. Course content includes general marketing principles of product planning and production, distribution, pricing and promotions.
FACS	Nutrition and Wellness	N/A	9, 10, 11, 12	Semester	Nutrition and Wellness educates students to make healthy lifestyle choices for personal, family, and career success across the lifespan. Topics include the impact of technology on nutrition, food choices, wellness and stress management, meal planning and preparation, dietary guidelines, and food safety and sanitation practices.
Fine Arts	Choir	Anyone who likes to sing.	9, 10, 11, 12	Full year	Students will sing in a group setting and perform in various concerts and contests throughout the year. Small group contest opportunities available, along with large group contests and All State Chorus. The music department also takes big trips every other year, so students who take choir should get an opportunity to take a fun trip. Choir is a year-long commitment.
Fine Arts	Band	N/A	9, 10, 11, 12	Full Year	Students will play instruments in a group setting and perform in various concerts and contests throughout the year. Marching Band is the focus in the fall and concert band is the focus in the spring. Honor Band, Jazz Band and All-State Band opportunities are available. The music department also takes big trips every other year, so students who take band should get an opportunity to take a fun trip. Band is a year-long commitment.
Fine Arts	Drama	N/A	9, 10, 11, 12	Semester	Students learn the basics of theatre, including theatre history, acting techniques and production design. Students are expected to actively participate in course activities and work cooperatively with other students in project work.
Fine Arts	Art I	N/A	9, 10, 11, 12	Semester	Art I is a semester long prerequisite for any other art class. Projects in Art I will prepare the student to effectively use the elements and principles of art effectively while developing and refining skills needed in more advanced art classes. A variety of media will be explored through drawing, painting, ceramics, printmaking, and sculpture.
Fine Arts	Art II	Art I ( C or better)	9, 10, 11, 12	Semester	Art II is a semester-long class that allows the students to enhance their artistic abilities with a more challenging curriculum than in Art I. The class will delve further into developing personal style and artistic goals using a variety of media, as in Art I.
Fine Arts	Drawing/Painting	Art I	9, 10, 11, 12	Semester	Drawing and Painting is a semester long class. Student work will focus on increasing drawing skills and using paint as a medium, which will include watercolor and acrylic

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					paint. Students will be challenged with improving their observational and creative thinking skills, and will gain an appreciation for different artists and styles.
Fine Arts	Photography I	N/A	9, 10, 11, 12	Semester	This semester-long course will introduce students to photography as an art. Students will learn the basics of DSLR camera operation, composition, lighting, portfolio building, photo critique, and image editing in Photoshop.
Fine Arts	Photography II	Photography I (C or better)	9, 10, 11, 12	Semester	Photography II will further develop the skills learned in Photography I. Students will explore advanced editing techniques in Photoshop and further their creative photo-taking strategies by exploring various types of photography.
Language Arts	Mythology	N/A	9, 10, 11, 12	Semester	Students will learn about Greek/Roman mythology in-depth and they will learn more briefly about other mythologies from around the world. Students will learn about the importance of mythology to culture, the principal gods/goddesses of the mythology, various mythological stories and their significance, as well as the differences and similarities between the various mythologies studied.
Language Arts	Diversity in Literature	N/A	9, 10, 11, 12	Semester	Students will read and analyze various texts written by a diverse representation of contemporary authors. Students will examine relevant issues and themes and how experiences and perspectives may shape an author's voice.
Social Studies	Native American History	N/A	9, 10, 11, 12	Semester	A content survey of Native American History throughout the North American continent. Students will explore the content through multiple tools. The textbook used is First Peoples: A Documentary Survey of American Indian History. Additionally, local speakers will present a more focused discussion & oral history of Dakota life, culture, and language.
Social Studies	History and Hollywood	N/A	9, 10, 11, 12	Semester	This class looks at history through the Hollywood lens (no pun intended) and explains how Hollywood can sometimes exaggerate events or give accuracy and awareness to important details of the past. By analyzing portions of movies and documentaries we will research American History to global history from both past and current times.
Tech	Computer Programming	Intro to Tech	9, 10, 11, 12	Semester	Computer Programming I introduces students to the fundamentals of computer programming. Students will learn to design, code, and test their own programs while applying mathematical concepts. Teachers introduce concepts and problem solving skills through a programming language such as C, C++, C#, Java, Python, or Visual Basic. Computer Programming II reviews and builds on the concepts introduced in Computer Programming I and introduces students to more complex data structures. Topics include sequential files, arrays, and classes.
Tech	Web Development	Intro to Tech	9, 10, 11, 12	Semester	Web Development I is a course designed to guide students in a project-based environment implementing web development techniques. Through the use of hypertext markup language (HTML5) coding, Cascading Style Sheets (CSS), and JavaScript

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					students will plan, design, develop, deploy, and maintain website projects. Students will learn fundamentals for a career in web development as they complete projects and create their own website. Course Code=10201
Tech	Multimedia Design	Intro to Tech	9, 10, 11, 12	Semester	Multimedia Design gives students experience and knowledge in all forms of mixed media and content. Multimedia presentations combine text, graphics, animation, images and sound from a wide range of media, such as films, newspapers, magazines, online information, television, videos, streaming and electronic media-generated images. Students will learn how to select the appropriate medium for each element of the presentation and gauge the needs of clients and the intended audience. In addition to their general academic and technical knowledge and skills, students gain an understanding of career opportunities available in technology and what employers require to gain and maintain employment in these careers. Course Code=10203
Tech	Robotics	Intro to Tech	9, 10, 11, 12	Semester	This robotics course emphasizes the design, building, operation, application, and documentation of robotic systems. Students follow the engineering design process, apply basic programming skills, and explore how robots and automated systems are used in industry. Students will have an understanding of the historical and current uses of robots and automated systems; programmable circuits, interfacing both inputs and outputs; proficient ethical standards for engineering and technology professions; and testing of robots.
World Languages	Dakota Language I	N/A	9, 10, 11, 12	Year long	This course is an introduction to the Dakota language, Dakota history, culture and way of life. Emphasis will be placed on the Dakota alphabet, kinship terms, numerical system, basic everyday vocabulary, and simple sentence structure. Added emphasis will be on everyday language survival skills – speaking the language. Writing will be required. Verbal presentation is mandatory.
World Languages	Spanish 1	N/A	9, 10, 11, 12	Year long	Students will learn how to read, write, listen to and speak the present tense of the Spanish language through the use of vocabulary and grammatical concepts. Students will also learn about the various cultures of those countries whose dominant language is Spanish.