

Course Number	Course Title & Description	Credit	
ENGLISH			
01051	Comp/Gram/Lit I& II - 1 semester. Students will read and analyze various works of literature which will include short stories, poetry, drama and novels. In addition, students will write and revise several essays based on the literature that they read and review grammar and sentence building skills. The goal of the class is to improve students' overall reading, writing and thinking abilities.	0.5	*Freshman required with Course 00101 *Sophomore required with Course 01151
01053	Novels/Creative Writing -1 semester. Students will read and analyze various novels which will may include short stories and dramas. In addition, students will write and revise several essays based on the literature that they read and review grammar skills.	0.5	Grades 11-12
01054	Am Lit/Jr Comp - 1 semester. Students will read and analyze various works of American literature which will include short stories, poetry, drama and novels. In addition, students will write and revise several essays based on the literature that they read and review grammar skills.	0.5	*Junior required with Course 01102
01101	Comp/Gram/Lit I - 1 semester. Students will read and analyze various works of literature which will include short stories, poetry, drama and novels. In addition, students will write and revise several essays based on the literature that they read and review grammar and sentence building skills. The goal of the class is to improve students' overall reading, writing and thinking abilities.	0.5	*Freshman required with course 01051
01102	Am Lit/Jr Comp - 1 semester. students will read and	0.5	*Junior required with Course

analyze various works of literature which will include novels and drama. In addition, students will write and revise several essays based on the literature that they read and review grammar and sentence building skills. Also, the students will spend time reading non-fiction articles on various social issues and writing about their stance on these issues.

01054

01104	Novels/Creative Writing -1 semester. Students will read and analyze various novels which will may include short stories and dramas. In addition, students will write and revise several essays based on the literature that they read and review grammar skills.	0.5	Grades 11-12
01151	Speech - 1 semester. intended to help students feel more comfortable in formal speaking situations. In addition, students will learn proper speech writing techniques.	0.5	*Sophomore required with course 01051
11101	Journalism ~ Newspaper - 2 semester. Newspaper is a two-semester course that focuses on the theory and practice of gathering, processing, and delivering news that prepares individuals to produce a school newspaper published weekly by the Emery Enterprise and Bridgewater Tribune. This course focuses on the fundamentals of news, feature, editorial, sports writing, interviewing, editing, photography, time management, and computer generated layouts.	1	Grades 9-12
11104	Journalism ~ Yearbook - 2 semester. Yearbook is a two-semester course that focuses on the production of the Bridgewater-Emery school yearbook. In this course, students will gain skills in the following areas: page design, editing, photography, reporting, writing, typography, brainstorming, responsibility, time management, teamwork, and leadership skills.	1	Grades 9-12

SOCIAL STUDIES

04001	World Geography - 1 semester. The Geography course will emphasize the cultural and physical geography of different regions of the world. The class will look into the relationship between United States and the other regions of the world.	0.5	*Freshman required with Course 04051
04051	World History - 1 semester. This survey course emphasizes the development of Western Civilization from prehistoric time through the eighteenth century. Included are discussions of: The Stone Age and Early Civilization; Classical Greece and Rome; Medieval Times; The Renaissance and Reformation; The Age of Enlightenment and the Age of Exploration.	0.5	*Freshman required
04064	Contemporary World Issues - 1 semester. This course will focus on current items in the news. How these varied issues impact the student's life will be emphasized.	0.5	Grades 9-12
04101	US/American History -2 semesters. The survey course will provide students knowledge of the origins, theory, historical context, foundations, structure, operation, problems, evolution and future of government in the United States. The class will look into the relationship between the United States and the other regions of the world.	1	*Junior required
04151	US Government - 1 semester. This course provides students with the details of American democratic principles and practice. It also encourages students to explore how government works in their everyday lives.	0.5	*Senior required

04163	Consumer Law - 1 semester. Consumer Law courses present a history and philosophy of law and the legal system in the United States, with a particular emphasis on those topics affecting students as consumers and young adults (such as contractual laws, laws pertaining to housing and marriage, and constitutional rights).	0.5	Grades 9-12
04201	Economics - 1 semester. This course provides students with the information needed to understand how individuals and nations make economic decisions. The course helps students analyze economic theories and put those theories to modern day use.	0.5	Grades 11-12
04254	Psychology - 1 semester. Students will master the principles of psychology along with being aware of applications for their own lives.	0.5	Grades 10-12
04258	Sociology - 1 semester. During this class, human relationships, social structures and social change are studied. After each section is discussed, causes and effects will be determined.	0.5	Grades 10-12

MATH

02052	Algebra I - 2 semesters. Covers a variety of topics that were introduced in middle school mathematics. We start with expressions, equations, and functions, then move on to solving equations and inequalities and linear functions. Then we wrap up the year with exponential functions and quadratic functions.	1	*Freshman required
02056	Algebra II - 2 semesters. Review and build on material	1	Grade 10-11

learned in Algebra 1. New topics will be introduced which can include function transformations, graphing linear and absolute value inequalities, operations with matrices, quadratic functions and their applications, and operations with polynomials. Students will also explore various uses of the TI-84 Plus calculator.

02057	Algebra III - 2 semesters. Explore and develop fundamental algebraic concepts needed in courses like College Algebra. Some topics include linear equations and functions, systems of equations, and polynomial factoring along with other mathematics topics based on student need and interest.	1	Grades 11-12
02072	Geometry - 2 semesters. This course is based around knowledge learned in Algebra 1. Similarity and congruency is studied through the use of constructions and geometric transformations. Other topics could include measurement (area/volume), coordinate geometry, circle properties, and probability.	1	Grades 9-10
02110	Pre-Calculus - 2 semesters. Students will explore advanced algebra topics including polynomial, rational, and exponential expressions and functions. Some trigonometric concepts will be studied to further develop foundational skills needed in any advanced math classes like calculus.	1	Grades 11-12

SCIENCE

03003	Enviromental Science - 2 semesters. Environmental	1	Grades 10-12
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Science course examines the mutual relationships between organisms and their environment. In studying the interrelationships among plants, animals, and humans, these courses usually cover the following subject: photosynthesis, recycling and regeneration, ecosystems, population and growth studies, pollution, and conservation of natural resources.

03051	Biology - 2 semesters. Study of living things and their relationship to the environment. This includes topics such as cell structure and function, ecology and organism interactions, genetics and heredity, and evolution and classification.	1	*Sophomore required
03055	Human Physiology/Anatomy - 2 semesters. A tour of the human body that introduces all organ systems in the body. Includes a trip to USD's anatomy lab and hands-on projects and dissections.	1	Grades 11-12
03101	Chemistry - 2 semesters. This is a continuation of the chemistry curriculum presented in physical science. Chemistry is an experimental science that includes, as its goal, the development of an atomic and molecular description of the properties and behavior of matter. The course will also include stoichiometry (mass relationship between reactants and products), acids and bases, and reaction energy and reaction kinetics.	1	Grades 11-12
03103	Organic Chemistry - 2 semesters. Organic Chemistry courses involve the study of organic molecules and functional groups. Topics covered may include nomenclature, bonding molecular structure and reactivity, reaction mechanisms, and current spectroscopic techniques.	1	Grades 10-12
03151	Physics, online - 2 semesters. This course will provide the	1	Grades 11-12

student with understanding of major concepts and encourage application with life experiences. The course is a basic conceptual physics course with math related problems taught as an extra. The text is written in simple language, has cartoon like sketches, and thought provoking demonstrations.

03161	Conceptual Physics - 2 semesters. This course will include hands-on building of objects with the intent of seeing how physics is being applied to those objects. Topics can include energy, forces, projectile motion, levers, waves, electronics, and transfer of energy. Students will work on science fair type projects and explore other curiosities along the way.	1	Grades 11-12
03210	STEM (Science, Tech, Eng,Math) Class - 2 semesters. This is a course that will not only learn current topics in science, but the process of learning will be different. Students will be doing project-based discovery learning with emphasis on the engineering process (the process used by engineers to solve problems). Topics may change year to year but may include plants and gardening, animals, robot building contest, forensics, and outdoor landscaping projects. The students will not be handed a ready to go lab and fill in the blanks; rather, they will include research, design, collaboration, budgeting of a projects and overcoming frustrations that come with these real-life experiences.	1	Grades 10-12

FACS

19051	Human Development (Preschool-School) - 1 semester.	0.5	Grades 9-12
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The focus of this course is to learn about the growth and development of children ages 3-12. Students will gain knowledge, skills, and attitudes needed to work with this age group in the role of care giver (babysitter/daycare worker) or future parents. Projects and activities focus on integrating child development concepts with the skills needed to provide a nurturing and engaging environment. Hands-on activities include observing and carrying out activities with children ages 3-12.

19052	Human Development (Prenatal-Toddler) - 1 semester. The focus of this course is the growth and development of children from conception to age 3. Topics include prenatal development, pregnancy, labor/delivery, infants, and toddlers. Projects and activities focus on knowledge and skills needed to have a healthy pregnancy and raising a healthy infant/toddler. Hands on activities include creating activities to promote toddler development and parenting simulations.	0.5	Grades 9-12
19151	Teaching & Training -1 semester. This course is designed to give knowledge, skills, and experiences to high school students who are considering a profession in education (early childhood, elementary, or middle/high school) or training (business or industry). This course would also be beneficial for students interested in training careers such as occupational or physical therapy, or athletic training where one would design plans for clients to learn skills to improve their physical wellbeing. Hands-on activities include job shadows, designing lessons/activities, and field experience (carrying out lesson) in area of personal interest.	.5	Grades 10-12
22101	Leadership & Service - 2 semesters. This course helps	1	Grades 9-12

students learn to be effective leaders in their schools and communities as well as being healthy individuals. Topics focus on effective communication, conflict resolution, leadership habits, Career and Technical Student Organizations, professional behaviors, and healthy habits. Hands-on activities include community service projects, presentations of your choice, and food labs.

22152	Employability/Careers - 1 semester. Employability is a semester course focusing on creating an employable individual. The goal of this class is to prepare students for employment in a changing and global world. Course activities and projects develop knowledge and skills necessary for students to be successful in career planning, job seeking and job keeping.	0.5	Grades 10-12
22202	Nutrition & Wellness - 1 semester. This course helps students to lead healthy lifestyles through nutrition and physical activity. Topics include food safety and sanitation, nutrition, cooking skills, and current food issues/trends. Hands-on activities include exploring factors that affect kitchen safety/sanitation and cooking labs.	0.5	Grades 10-12
22204	Communication and Life Skills for the 21st Century - 1 semester. The focus of this course is to prepare students with effective communication and life skills to be successful on sports teams, at work, and in family life. Students will learn about the communication cycle and how to resolve conflicts. Students will explore tactics that work to recognize, gain, and maintain healthy relationships with individuals across the lifespan.	0.5	Grades 10-12
22210	Personal Finance - 1 semester. Develop knowledge and	0.5	Grades 11-12

skills associated with managing personal and family financial resources. A project based approach is used to address such topics as money values, spending plans, cash management, saving and investing, insurance, housing, credit, transportation, and related consumer issues. The final project is the development of a personal financial plan.

80026	School to Work - The school-to-work experience allows students to gain hands-on experience at a business, develop employability skills, and learn job skills.	0.5	Grades 9-12
AG			
18001	Intro to Ag, Food & Natural Resources - 1 semester. This course covers basic concepts in agriculture. Topics in the course include plant sciences, animal sciences, food science, agribusiness, and communications.	0.5	Grades 9-12
18052	Greenhouse Management I (Fundamental Horticulture) - 1 semester. This course will give students a background in horticultural science and the many career opportunities in nursery, garden, turf and landscape industries. It addresses the biology and genetics involved in production, processing, and marketing of horticulture. Topics covered include classifying and identifying plants, physiology and propagation, pest management, understanding soil, environmental, and fertility factors affecting plant growth, various horticulture industry sectors, and employability skills. Classroom and laboratory content may be enhanced by utilizing the greenhouse.	0.5	Grades 9-12
18053	Greenhouse Management II (Advanced Horticulture) -	0.5	Grades 10-12

1 semester. This course will give students a customized understanding of the following horticulture sectors: Landscape Design, Floriculture, and/or Greenhouse Management. Topics include identification, use and management of equipment and materials, as well as managing plant growth and maintaining plants and equipment. Employment skills, human relations, mathematics, biology, chemistry, and technology will also be topics discussed.

18101	Fundamental Animal Science - 1 semester. The focus on this course is the production and care of livestock, horses, and poultry. Students will learn production practices and methods, body systems, basic care, nutrition, reproduction, and genetics as it relates to animal production.	0.5	Grades 9-12
18102	Companion Animals - 1 semester. Companion Animals is designed to give students an understanding of basic care and handling practices related to small animals. Students will learn about a variety of small animals including cats, dogs, fish, rabbits, hamsters, gerbils, guinea pigs, chinchillas, reptiles, birds and more.	0.5	Grades 9-12
18107	Advanced Animal Science - 1 semester. The focus on this course is the production and care of livestock, horses, and poultry. Students will learn production practices and methods, body systems, basic care, nutrition, reproduction, and genetics as it relates to animal production.	0.5	Grades 9-12
18201	Agribusiness Sales & Marketing - 1 semester. Topics in	0.5	Grades 9-12

this course include job search strategies, writing resumes and cover letters, the selling process, marketing plans for products and services, trade, global food needs, ag production in South Dakota, and inventory management.

18202	Agribusiness Management - 1 semester. Agribusiness Management is a semester-length or year-long high school elective that introduces the business, management, marketing, and financial skills needed to successfully produce food, fiber, and fuel for domestic and global markets. Students will learn about the components of the agribusiness system and how they interact to deliver food to our tables. They will also learn about the key elements of a successful agribusiness enterprise: economics, financial management, marketing and sales, and government policies and regulations.	0.5	Grades 9-12
18203	Ag Leadership & Communications - 1 semester. In this course, students learn how to become more effective leaders in their school and community. The course focuses on participation in organizations, personal development, advocacy, and communications.	0.5	Grades 9-12
18402	Ag Power Technology - 1 semester. Students in this course will study basic engine principles, hydraulics, power trains, fuels, maintenance schedules, and electrical systems. Students will also complete work related to the safe operation of farm equipment and vehicles.	0.5	Grades 10-12
18501	Wildlife & Fisheries - 1 semester. Students in this course	0.5	Grades 10-12

will understand how and why the management of wildlife and fish is important. They will identify many species of animals and will investigate topics including hunter safety, hunting and fishing laws, game management, endangered species, habitat requirements, and current events.

18502

Advanced Natural Resources - 1 semester. Advanced Natural Resources is designed to build upon the basic concepts learned in the Fundamental Natural Resources course. Advanced Natural Resources gives the student a deeper understanding of the decision-making processes that are involved in environmental and natural resource management and conservation, globally, regionally and locally. Students will specifically examine issues related to natural resource use in South Dakota. Topics will include management strategies such as assessing rangeland condition, examining forest site indices, looking at the health of fisheries and wildlife and applying ecological concepts and principles to living organisms in natural resource systems, as related to sustained yield concepts. Students will be expected to understand the importance of soils and their relationship to all ecosystems. Students will be trained to assess air and water quality standards and parameters. Energy and mineral extraction industries will be examined along with looking at determining impacts on the soil, air, and water resources. Classroom and laboratory content may be enhanced by utilizing up-to-date equipment and technology, such as Geographic Information System software to map and inventory resources in real time. Biology, statistics, algebra, English, and human relation skills will be reinforced throughout the course. Opportunities for application of clinical and leadership skills are provided by participation in FFA activities,

0.5

Grades 10-12

18504	Fundamental Natural Resources - 1 semester. This class is designed to give students a well-rounded understanding of the resources we use everyday. Topics of study in this course include air, water, forestry, pollution, outdoor recreation, soils, and careers related to these fields.	0.5	Grades 10-12
BUSINESS/COMPUTER			
10004	Foundations of Technology - 1 semester. Students will have an understanding of the Office programs. Topics covered will be word processing software, spreadsheet software, presentation software, and database software.	0.5	*Freshman required
10101	Networking Technology - 1 semester. Students in the Network Technologies course prepare for careers that involve network analysis, planning, and implementation, including design, installation, maintenance, and management of network systems. The successful establishment and maintenance of networking infrastructure is critical to the success of organizations.	0.5	Grades 10-12
10155	Java Programming - 1 semester. Students will learn to solve story problems and develop a computer program that will solve the program. Creating, debugging and documenting skills will be learned throughout the problem solving process.	0.5	Grades 10-12
10201	Web Publishing & Design - 1 semester. This course will explore a variety of free software programs used to design, create and publish websites. GIMP (phot editing software) will be introduce at the beginning of this course to teach students how to manipulate photos.	0.5	Grades 10-12
10205	Digital Animations - 1 semester. Students will use	0.5	Grades 10-12

animation software similar to Blender and AutoDesk Software to design, create, and animate a variety of objects. Animation careers will also be explored.

10251	Computer Hardware & Software - 1 semester. This course will prepare students to become more knowledgeable about the integral components of a computer system. Topics covered in the class include individual hardware components, upgrading and troubleshooting a computer, installing operating systems, and configuring basic network services.	0.5	Grades 9-12
11000	Intro to Video Game Design - 1 semester. Students will use GameMaker and Blender to program, design and manage video games. GameMaker is the program for building games, while Blender is a 3D modeling and animation platform.	0.50	Grades 10-12
12104	Accounting I - 2 semesters. The course introduces concepts and principals based on a double entry system of maintaining and analyzing all types of business transactions, It teaches the student how to journalize, post and prepare all types of financial statements.	1	Grades 10-12
12108	Accounting II - 2 semesters. An advance course will develop advanced skills of accounting. Computerized accounting will be incorporated into these skills.	1	Grades 11-12
WORLD LANGUAGE			
06101	Spanish I - 2 semesters. Presents the basic Spanish language and culture. The students will learn a variety of vocabulary, grammar, and culture. Upon completion, students will have a Novice Mid level of Spanish according to the ACTFL proficiency guidelines.	1	Grades 9-12

06102	Spanish II - 2 semesters. Presents the more complex structures of basic Spanish and expands the cultural themes of the first level of Spanish. This course is an extension of Spanish I that takes what the students have learned and adds vocabulary, several new verb tenses, and more in-depth cultural experiences. Upon completion, students will have a Novice High level of Spanish according to the ACTFL proficiency guidelines.	1	Grades 10-12
06103	Spanish III - 2 semesters. More complex structures of basic Spanish and expands the cultural themes of the first and second levels of Spanish. This course is an extension of Spanish II that takes what the students have learned and adds a lot more vocabulary, new verb tenses, and more in-depth cultural experiences. Upon completion, students will have an Intermediate Low level of Spanish according to the ACTFL proficiency guidelines.	1	Grades 11-12
22104	Spanish Service Learning - 1 semester. Consists of learning and teaching Spanish to the elementary. Students would work an average of 50-60 hours/semester teaching Spanish (for .5 credit per semester) under the supervision of a mentor teacher. Students would also be required to meet with the mentor teacher once a week to discuss lesson plans and other pertinent information. The prerequisites for this course would be a proficient passing score in 2 or more high school Spanish classes and/or a proficient placement score. A higher standing GPA will take precedent over others in the application process.	0.5	Grades 9-12

FINE ARTS

05101	Band - 2 semesters. The primary goal of the instrumental	0.5	Grades 9-12
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band program is to provide a well-rounded musical education for students. This education focuses on building a strong foundation of musical knowledge upon which artistic performances are built. In addition to providing a quality music education, the band program also recognizes the need to educate the whole child. The program seeks to develop the character and citizenship of each student in the band, assisting each child to attain his/her own personal best while working in a teamwork environment.

05110	Vocal Music - 2 semester. Membership is open to all students with pervious singing experiences or ability. this class is available for fine arts credit. Students will study various genres of choral music, participate in all concerts and contests for credit.	0.5	Grades 9-12
PE/HEALTH			
08001	PE/Health - 1 semester. Health and Physical Education is a semester class designed to help establish patterns of behavior that will assist a students in achieving complete health. The course is designed to cover a balance of physical, mental, social and emotional well-being as well as the opportunity to develop lifetime fitness skills. Students will participate in such activities as; bowling, cards, archery, tennis, golf, and softball. Students will also receive CPR training.	0.5	*Freshman required
08005	Health/Fitness - 1 semester. This course is designed to	0.5	Grades 10-12

achieve knowledge of lifetime personal health and development of physical fitness. This course will strive to motivate students to strive for lifetime personal fitness with an emphasis on health and wellness. Students improve their fitness within the class and learn the process of becoming fit. The course shall concentrate on lifetime activities that are necessary to continue a life of health and fitness. Students will design their own personal fitness program.

SHOP

13207	Welding - 2 semesters. Designed for students that want a solid background in basic principles and practices of welding. Students will receive instruction on safety and knowledge of arc welding, wire feed welding as well as oxygen-acetylene welding and cutting. Students will also demonstrate comprehension of materials using hands on experiences and proper completion of their own projects. Students will follow class rubrics in which they will design and draw project, make a bill of materials, create a supply list, develop step by step building plans and finish with reflection paper over the project.	1	Grades 10-12
17006	Introduction to Architect and Construction- 1 semester. This course will introduce students to various sectors of the construction industry. We will cover many different topics where students will be able to complete hands on activities to enable the learning process. Starting with shop safety and ending with student projects, students will be able to perform all basic skills involved in woodshop by the completion of this course.	0.5	Grades 10-12

17007	<p>Cabinetry - 2 semesters. An advanced class for students that have completed Industrial Arts I, II and/or III. The class allows students to design and build larger projects also allows development towards a trade/career. Students will receive safety instruction over tools before beginning to work in shop. Student may design projects in either woodworking or welding areas. Students will follow class rubrics in which they will design and draw project, make a bill of materials, create a supply list, develop step by step building plans and finish with reflection paper over the project.</p>	1	Grades 11-12
21103	<p>Architecural Drafting - 1 semester. Industrial Arts II will begin with a 9 weeks of drafting that will incorporate the basic drafting knowledge form IA I and advance higher levels of drafting. Each student will be able draw and read a house plan by the end of the nine weeks. The final three nine weeks will be over Power tools and focus on safety along with carpentry. Students will demonstrate proper safety practices while learning power tool usage. Each student will be allowed hands on experience as they create their own projects. Students will follow class rubrics in which they will design and draw project, make a bill of materials, create a supply list, develop step by step building plans and finish with reflection paper over the project.</p>	0.5	Grades 9-12

80018	Youth Internships - Youth internships allow students to gain authentic, real-world experience in business and industry. Students' interests, strengths, and chosen career clusters/pathways determine the internship experience(s). Based on the internship experience(s), students will gain insight to their postsecondary personal learning plan.	0.5	Grades 11-12
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80019	Senior Experience - The senior experience requires students to complete a research project, design and develop a product, assemble a portfolio, and complete an oral presentation before a panel.	0.5	*Senior required
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Online & Dual Enrollments

Online classes available on SD Virtual High School,
go to <http://www.sdvs.k12.sd.us>

Dual Enrollment classes available on SD MyLife, go to
<http://sdmylife.com/students/advanced-education-opportunities/>
