YANKTON SCHOOL DISTRICT 63-3

Yankton, South Dakota
2022

Career and Technical Education (CTE)
Grades 6-12 Guidelines

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Adopted: November 14, 2022
Action Number: 2023-170
Amended: March 13, 2023

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YANKTON SCHOOL DISTRICT

Yankton, South Dakota

MISSION STATEMENT

The Mission Statement of the Yankton School District is to optimize student potential for success in a global society.

BELIEF STATEMENTS

PARTNERSHIP

1. Education is a partnership among the community, parents, students and school personnel; high standards are essential for this partnership to be successful.

SAFE ENVIRONMENT

2. The school system provides a safe educational environment, which encourages physical, emotional, and academic growth in a culturally diverse society.

ATMOSPHERE POSITIVE AND SUPPORTIVE

3. Learning is enhanced by a positive and supportive atmosphere, which encourages creativity, builds self-esteem, and recognizes students' success.

INDIVIDUAL STUDENT FOCUS

4. Learning requires recognition of each student's instructional style and the use of effective methods, which make learning interesting and individualized.

VALUES INTEGRATION

5. Ethical values, including an appreciation of diversity, integrity, compassion, courage, commitment, and responsibility, are integral to the learning process.

STUDENT RESPONSIBILITY

6. With proper guidance, students are capable of making informed choices and are responsible for their actions.

LIFE-LONG LEARNING

7. Education must support life-long learning by teaching students to access and apply information for success in a global society.

Adopted by the Yankton School Board on June 14, 1993, Action #93-347
Amended June 12, 1999, Action #2000-123
Amended February 9, 2004, Action #2004-17
Amended August 11, 2014, Action #2015-113

I. CAREER TECHNICAL EDUCATION (CTE) BELIEF STATEMENT

The Yankton School District, in collaboration with business and community partnerships, provides educational opportunities dedicated to empower students to compete in a global marketplace while providing lifelong learning with academic and technical standards. CTE teachers will engage students in high quality, rigorous, and relevant educational pathways, promoting creativity, innovation, leadership, and service. CTE teachers are committed to providing feedback that reflects progress toward mastery of skills and content standards. Through participation in CTE, students will be immersed in experiences that support development of core competencies that prepare students for career readiness.

II. 9-12 CAREER TECHNICAL EDUCATION (CTE) PROGRAM DESCRIPTION

The Career Technical Education Department of Yankton High School provides a curriculum of elective course offerings in a variety of Career Clusters. Because a student should acquire the knowledge and skills they need to reach their postsecondary and career goals, a variety of course offerings provide rigorous learning choices which reflect the South Dakota State Standards and promote college and career readiness. In order to graduate from Yankton High School and meet South Dakota High School Graduation Requirements, a student must complete 5 ½ units of elective course work which can include any CTE course offerings.

The Yankton School District offers the following Career Clusters:

- Agriculture, Food & Natural Resources
- Architecture & Construction
- Arts, Audio/Video Technology & Communications
- Business Management & Administration
- Finance
- Hospitality & Tourism
- Human Services
- Information Technology
- Manufacturing
- Science, Technology, Engineering, & Mathematics
- Transportation, Distribution, & Logistics

III. 6-8 COURSE DESCRIPTIONS & STANDARDS

Lifetime Career Exploration & Technical Career Exploration 22151

Career Cluster: All
Prerequisites: none

Course Description:

Lifetime Career Explorations, 7th grade (LCE) and Technical Career Explorations, 8th grade (TCE) are introductory courses to a variety of career related information and skills. Students will complete a large assortment of hands-on activities that will help them to determine what career areas they may have a desire to work within. Student assessment is based on the ability to research, problem solve and troubleshoot problems

and questions they may encounter when working within these different fields while also completing projects and activities related to the career areas. Active participation is required for the course.

Standards: https://doe.sd.gov/cte/documents/CareerExl.pdf

Reporting of Progress:

I. Semester Grade
   A. First Quarter 50%
   B. Second Quarter 50%

II. Grading Items
   A. Participation
   B. Quizzes
   C. Tests
   D. Projects

***Grades are based on an average of total points earned*

Instructional Course Content:

7th Grade LCE (Lifetime Career Explorations)

CAREER CLUSTER	UNIT TITLE	DESCRIPTION
Health Science	Vital Signs (Pitsco)	Health Careers
Human Services	Character Playbook (EverFi)	Social responsibilities
Arts, A/V, Technology & Communications	Artistic Communications (Pitsco)	Careers in Arts, A/V, Tech and Comm
Information Technology	Google Slides (ArtCom storyboards)	Online software tools
Financial Responsibility	Teen Banzai	Managing debt and understanding income, expenses, credit and debit cards
Digital Citizenship	Teen Banzai	Online safety and responsibility
Sustainability	Plants, animals and our world(EverFi)	understanding our role in conservation
Reality Check	Fun cost of Living assignment	careers, salaries and potential life decisions

- Additional activities may include:
  - Developing keyboarding skill
  - Manufacturing Week - tours, speakers, special projects
  - Hospitality and Tourism - Yankton-centric activity

8th Grade LCE (Lifetime Career Explorations)

CAREER CLUSTER	UNIT TITLE	DESCRIPTION
Finance	FutureSmart (EverFi)	Next level of financial responsibility
Transportation, Distribution, & Logistics	Special Delivery (Pitsco)	Moving goods and services
Ag, Food & Natural Resources	Cultivating Our Future (Pitsco)	Agriculture
Human Services	Mental Wellness (EverFi)	Personal care
Entrepreneurship	Venture (EverFi)	small business exploration
Career Fun Day	Career Scavenger Hunt	career research

- ❖ Additional activities may include:
  - ➢ Developing keyboarding skill
  - ➢ HS Registration- HS Counselors
  - ➢ HS CTE Tours - High School
  - ➢ Hospitality & Tourism - Yankton-centric activity

IV. 9-12 COURSE DESCRIPTIONS & STANDARDS

Accounting I 12104

Career Cluster: Finance
Prerequisites: none

Course Description:
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 incorporated where resources are available.

Standards: https://doe.sd.gov/cte/documents/Business-Computer-Applications.pdf

Reporting of Progress:

I. Semester Grade
   A. First Quarter 50%
   B. Second Quarter 50%

II. Grading Items
   A. Participation
   B. Quizzes
   C. Tests
   D. Projects

***Grades are based on an average of total points earned*

Instructional Course Content:

I. Starting a Proprietorship: Changes that Affect the Accounting equation
II. Analyzing Transactions into Debit and Credit Parts
III. Journalizing Transactions
IV. Posting to a General Ledger
V. Cash Control Systems
VI. Worksheet for a Business
VII. Financial Statements for a Proprietorship
VIII. Recording Adjusting and Closing Entries for a Service Business

Advanced Welding Technology 13208

Career Cluster: Manufacturing
Prerequisites: Welding Technology

Course Description: Advanced Welding provides students with opportunities to effectively perform cutting and welding applications of increasing complexity used in the advanced manufacturing industry. Proficient students will build on the knowledge and skills of the Welding Technology course while learning additional welding techniques not covered in previous courses. Specifically, students will be proficient in fundamental safety practices in welding, gas metal arc welding (GMAW) and other advanced welding and cutting processes. Upon completion of the Advanced Welding Technology course, proficient students will be prepared to complete the American Welding Society (AWS) Entry Welder qualification and certification

Standards: https://doe.sd.gov/cte/documents/standards/13208-Adv-Welding.pdf

Reporting of Progress:

I. Semester Grade
   A. First Quarter 50%
   B. Second Quarter 50%

II. Grading Items
   A. Participation
   B. Quizzes
   C. Tests
   D. Projects

***Grades are based on an average of total points earned*

Instructional Course Content:

I. Welding/Torch Safety
   A. Safety Equipment
   B. Shop Dangers and Hazards

II. Welding Industry core concepts
   A. Math Skills
   B. ANSI Terms

III. Interpret, layout, and fabricate in conformance to fabrication drawings.
   A. Apply dimensions and locations of components in fabrication drawings.
   B. Layout and fabricate according to the fabrication drawing industry standards.

IV. Perform other advanced cutting processes.
   A. Identify and explain the safety, parts, and operation of thermal cutting equipment.
   B. Prepare layouts for cutting individual parts.
   C. Perform cuts using thermal cutting processes.

V. Perform Gas Metal Arc Welding (GMAW) process.

A. Identify and understand the safety, parts, and operation of GMAW.
B. Prepare base metal for various welding processes.

VI. Demonstrate Gas Metal Arc Welding (GMAW) on steel.
A. Identify and demonstrate knowledge of the inspection of welding and cutting processes.

VII. Visually inspect a weld.
A. Examine thermally cut surfaces and edges for discontinuities.
B. Perform other advanced welding processes.
C. Identify and understand the safety, parts, and operation of another advanced welding process.

VIII. Prepare base metal for various welding processes.
A. Demonstrate another advanced welding process on steel.

IX. Welding technology career exploration and development.
A. Define and compare career pathways in welding technology.

X. Design a personal learning plan for career interest in welding technology.
A. Explain trends and issues in welding technology careers.
B. Apply career readiness skills in the workplace as they relate to today's society.

XI. Identify and demonstrate career readiness (soft skills) in the workplace.

Agribusiness Sales & Marketing 18201

Career Cluster: Agriculture, Food and Natural Resources
Prerequisites: Introduction to Ag Food & Natural Resources

Course Description:
Agriculture businesses sell and market their products globally, regionally, and locally. Agribusiness Sales and Marketing is designed to provide students with skills that focus on job preparatory skills as well as employee tasks necessary in sales and marketing occupations and the many career opportunities, including agriculture. Classroom and laboratory content will be enhanced through technology, including latest welding and CNC equipment. Class experience will also include a school-based enterprise and field trips to enhance learning.

Standards: https://doe.sd.gov/cte/documents/Clusters/AG_18201_AgribusSalesMarketing.pdf

Reporting of Progress:

I. Semester Grade
   A. First Quarter 50%
   B. Second Quarter 50%

II. Grading Items
   A. Participation
   B. Quizzes
   C. Tests
   D. Projects

***Grades are based on an average of total points earned*

Instructional Course Content:

I. Marketing
   A. Needs/Market/Problem
   B. Planning

II. Inventory
   A. Cost analysis
   B. Breakeven

III. Project Selection
   A. Need
   B. Planning
   C. Cost
   D. Build
   E. Marketing
   F. Sales

Auto Engine Repair & Performance 20121

Career Cluster: Transportation, Distribution & Logistics
Prerequisites: Introduction to Vehicle Systems

Course Description: Completion of Automotive Engine Repair and Performance will help students prepare for post-secondary education and training. This course will further the students' technical education experience and help prepare them for the workforce. Students will learn:

- How to work safely on the vehicle in a workshop situation.
- Engine operation based on the six operating systems: lubrication, cooling, fuel, ignition, air induction and exhaust systems.
- General engine maintenance to include valve train, lubrication and cooling system.
- General engine performance to include computerized controls, fuel, air induction, exhaust systems and emissions control systems.

Standards: https://doe.sd.gov/cte/documents/engineRepair.pdf

Reporting of Progress:

I. Semester Grade
   A. First Quarter 50%
   B. Second Quarter 50%

II. Grading Items
   A. Participation
   B. Quizzes
   C. Tests
   D. Projects

***Grades are based on an average of total points earned*

Instructional Course Content:

I. Automotive Safety
   A. Safety Equipment
   B. Shop Dangers and Hazards

II. Automotive Technology/Systems
   A. Engine Theory
   B. Automatic/Manual Transmission
   C. Mitchell1 Operation
   D. 4x4 Operation/Transfer Case
   E. Differentials
   F. Automotive Tools
   G. Alignment
   H. Introduction To Electrical

I. Major Systems (Cooling, Braking, Lubrication, Battery, Tire/Wheels)

III. Real World Repairs

IV. Automotive Safety

A. Safety Equipment

B. Shop Dangers and Hazards

V. Intro to Vehicle Systems & Maintenance

A. Braking System

B. Cooling System

C. Wheels & Tires

D. Battery Systems

E. Engine Lubrication

F. Automotive Tools

G. Careers

VI. Hands-On Practicals

Business Computer Applications 10005

Career Cluster: Business Management and Administration

Prerequisites: none

Course Description:

Business Computer Applications focuses on integrating computer technology with decision-making and problem solving skills. Areas of instruction include advanced applications in word processing, spreadsheets, presentation and database software that prepare students for industry standard certifications.

Standards: https://doe.sd.gov/cte/documents/Business-Computer-Applications.pdf

Reporting of Progress:

I. Semester Grade
   - A. First Quarter 50%
   - B. Second Quarter 50%

II. Grading Items
   - A. Participation
   - B. Quizzes
   - C. Tests
   - D. Projects

***Grades are based on an average of total points earned*

Instructional Course Content:

I. Create and manage documents
II. Create and manage references
III. Create and manage worksheets and workbooks
IV. Manage data cells and ranges
V. Perform operations with formulas and functions
VI. Create charts and objects
VII. Create tables and lists

Business Law 12054

Career Cluster: Business Management and Administration
Prerequisites: none

Course Description:
Business Law focuses on an understanding of the judicial system at the local, state, and national level. Topics include an understanding of contract law, rights and responsibilities as citizens, utilization of financial transactions, employment and agency relationships, and regulations governing different types of business organizations.

Standards: https://doe.sd.gov/cte/documents/Business-Law.pdf

Reporting of Progress:

I. Semester Grade
   A. First Quarter 50%
   B. Second Quarter 50%

II. Grading Items
   A. Participation
   B. Quizzes
   C. Tests
   D. Projects

***Grades are based on an average of total points earned*

Instructional Course Content:

I. Laws and their Ethical Foundation
II. Constitutional Rights
III. Court Systems
IV. Criminal Law and Procedure
V. Civil Law and Procedure
VI. Offer and Acceptance
VII. Consideration
VIII. Secured and Unsecured Credit Transactions
IX. Creditor, Debtors, and Bankruptcy

Career Exploration / World of Work 22151

Career Cluster: Career Exploration
Prerequisites: none

Course Description:
This capstone experience course will focus on career exploration and development. It will contain a 6-week in-class component and a 12-week internship/career shadowing experience. Students will gain experience in work environments relating to their career cluster areas of interest. Students will complete school assignments related to their career exploration and shadowing including: self-awareness activities, research of careers, job application skills, human relations, daily journal entries, and a portfolio. The classroom teacher and site supervisor will share instruction and supervision of the students.

Standards: https://doe.sd.gov/cte/documents/CareerExl.pdf

Reporting of Progress:

I. Semester Grade
   A. First Quarter 50%
   B. Second Quarter 50%

II. Grading Items
   A. Participation
   B. Quizzes
   C. Tests
   D. Projects

***Grades are based on an average of total points earned*

Instructional Course Content:

I. In-class instruction:
   A. Exploratory exercises
   B. Self research
   C. Job market research
   D. Educational requirements for career

II. Real world experience:
   A. Shadow experience
   B. Compare & contrast

III. Reflection:
   A. Weekly journaling
   B. Compulsory reflection assignment

Computer Systems Technologies 10251

Career Cluster: Information Technology
Prerequisites: none

Course Description:
This course uses TestOut LabSim modules. The course has two options: TestOut IT Fundamentals Pro *(Beginners & Intermediate level)* The TestOut IT Fundamentals Pro course was designed for students who are interested in Information Technology but have limited technical knowledge of computing systems. We'll explore foundational concepts related to computer hardware and software, networking, databases, programming, Information Systems, and data security. The course includes over 100 hands-on labs to reinforce important concepts. As you perform real-world tasks associated with various IT fields, you'll gain a broad understanding of career options that will help you refine your interests and make vocational choices. The course also covers all objectives necessary to pass the TestOut IT Fundamentals Pro and CompTIA IT Fundamentals (FC0-U61) certification exams. Upon successful completion of this course, the student will receive a Certificate of Completion for IT Fundamentals Pro: The students who complete this course are eligible for the following certification; COMPTia ITF+ FC0-U61

TestOut IT Fundamentals Pro: In this course, we're going to talk about computer systems—how they work, how to maintain them, and how to repair them.This course is designed to prepare you to pass the TestOut PC Pro and CompTIA A+ certifications. The TestOut PC Pro certification is the first exam of the TestOut Pro certifications. This certification measures not just what you know, but what you can do. It measures your ability to install, manage, repair, and troubleshoot PC hardware and Windows, Linux, and Mac operating systems.
The PC Pro certification addresses the following knowledge domains:

- Hardware
- Software
- Security
- Troubleshooting

Standards: https://doe.sd.gov/cte/documents/CmpHardwr.docx

Reporting of Progress:

I. Semester Grade
   A. First Quarter 50%
   B. Second Quarter 50%

II. Grading Items
   A. Participation
   B. Quizzes
   C. Tests
   D. Projects

***Grades are based on an average of total points earned*

Instructional Course Content:

I. Set up a new computer.
II. Identify system requirements when purchasing a new computer.
III. Understand the technology and specifications used to describe computer components.
IV. Make informed choices about which device characteristics are required for your situation.
V. Install or upgrade the operating system.
VI. Manage external devices.
VII. Troubleshoot common computer problems that can be resolved without replacing internal components.
VIII. Connect to a small home network.

Construction Trades I 17002

Career Cluster: Architecture and Construction
Prerequisite: Intro Architecture and Construction

Course Description:
Students will gain insight into the career within construction by developing practical skills such as safety on the jobsite, construction math, use of hand/power/pneumatic tools, basic residential blueprint reading, basic land surveying techniques, building construction, plumbing, electrical, concrete, employability skills and career exploration required to succeed in the construction industry

Standards: https://doe.sd.gov/cte/careerclusters.aspx

Reporting of Progress:

I. Semester Grade
   A. First Quarter 50%
   B. Second Quarter 50%

II. Grading Items
   A. Participation
   B. Quizzes
   C. Tests
   D. Projects

***Grades are based on an average of total points earned*

Instructional Course Content:

I. Safety
   A. General Lab Safety
   B. Hand Tools
   C. Power Tools

II. Career Exploration
   A. Opportunities
   B. Education/Experience
   C. Readiness Skills

III. Drafting
   A. CAD
   B. Measurement
   C. Reading Blueprints

IV. Construction/Building
   A. Planning/Estimating
   B. Build/Construct
   C. Finishing Techniques/Cornice/siding/ect.

Construction Trades II 17003

Career Cluster: Architecture and Construction
Prerequisites: Construction Trades I

Course Description:
Students will gain in depth knowledge of residential construction by identifying and demonstrating correct safety procedures, construction math, blueprint reading and basic surveying techniques. The student will also be able to identify building products, and safely and correctly use various hand/power/pneumatic tools. Concrete construction applications and construction of a residential house will be the main thrust of this course. The student will be able to frame floor, wall and ceiling/roof systems. Once the framing is complete the student will install windows and doors, apply thermal and moisture protection, apply exterior sheathing along with exterior siding and roofing material. Interior work will be performed by installing drywall, installing cabinets and conducting interior finish work. The concept of stair layout and construction will be incorporated in this class. Basic residential electrical and plumbing will be performed as it relates to the necessary requirements in the building process. The National Center for Construction Education & Research (NCCER) competencies/objectives are followed as a resource.

Standards: https://doe.sd.gov/cte/careerclusters_arch.aspx

Reporting of Progress:

I. Semester Grade
   - A. First Quarter 50%
   - B. Second Quarter 50%

II. Grading Items
   - A. Participation
   - B. Quizzes
   - C. Tests
   - D. Projects

***Grades are based on an average of total points earned*

Instructional Course Content:

I. Safety
   - A. General Lab Safety
   - B. Hand Tools
   - C. Power Tools

II. Career Exploration
   - A. Opportunities
   - B. Education/Experience
   - C. Readiness Skills

III. Drafting

A. CAD
B. Hand-Drafting
C. Measurement
D. Reading Blueprints

IV. Construction/Building
A. Planning/Estimating
B. Build/Construct
C. Finishing Techniques/Drywall/Cornice/siding/ect.

Digital Programming 10152

Career Cluster: Information Technology

Prerequisites: none

Course Description:

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.

Standards: https://doe.sd.gov/cte/careerclusters_infotech.aspx

Reporting of Progress:

I. Semester Grade
   - A. First Quarter 50%
   - B. Second Quarter 50%

II. Grading Items
   - A. Participation
   - B. Quizzes
   - C. Tests
   - D. Projects

***Grades are based on an average of total points earned*

Instructional Course Content:

I. Introduction to Programming and Visual Basic
II. Creating Applications with Visual Basic
III. Variables and Calculations
IV. Making Decisions
V. Lists and Loops
VI. Procedures and Functions
VII. Multiple Forms, Modules, and Menus
VIII. Arrays and More

Drafting and Design II 21103

Career Cluster: Architecture & Construction
Prerequisites: Introduction to Draft and Design

Course Description:
The students will learn about various architectural styles. The students will utilize information necessary for planning various types of dwellings. The students will learn about landscape design and will demonstrate basic techniques to prepare architectural working drawings using traditional (manual) as well as computer-based methods.

Standards: https://doe.sd.gov/cte/careerclusters_arch.aspx

Reporting of Progress:

I. Semester Grade
   A. First Quarter 50%
   B. Second Quarter 50%

II. Grading Items
   A. Participation
   B. Quizzes
   C. Tests
   D. Projects

***Grades are based on an average of total points earned*

Instructional Course Content:

I. Understand architectural design fundamentals and history
   A. Identify architectural styles and the history of architecture
   B. Identify and examine trends in architecture
   C. Interpret the fundamentals of framing plans
   D. Identify building codes and governing bodies
   E. Identify residential building materials
   F. Identify and understand a basic house design

II. Explore career-ready practices
   A. Compare the duties and educational requirements of various career options in architecture

III. Understand drawing management, dimensioning, and notations
   A. Examine drawing identification and management techniques used in architectural drafting
   B. Illustrate proper dimensioning and notation practices used in architectural drafting

IV. Develop a residential plot and foundation system plan
   A. Create a plot/site plan for a residence
   B. Design footings and foundation for a residence

V. Generate the necessary construction plans to build a residence

A. Apply manual drafting techniques to generate technical drawings and computer aided drafting to design plans
B. Design a landscape
C. Develop a floor plan using accepted symbols and techniques.
D. Understand the use of elevations in the design of a residence.
E. Understand basic estimating practices used in the construction industry.
F. Design a floor plan for a cabin
G. Design a residential floor plan
H. Generate final presentation drawings and three dimensional computer models.

Electrical/Electronic Systems and Heating Ventilation Air Conditioning (HVAC) 20105

Career Cluster: Transportation, Distribution & Logistics
Prerequisites: Introduction to Vehicle Systems and Maintenance

Course Description:
Electrical/Electronic Systems and Heating Ventilation Air Conditioning (HVAC) will learn theory and operation as well as diagnosis and repair of Electrical/Electronic and HVAC systems. Completion of this course will aid students as they continue their education at the postsecondary level or in the workforce and in the preparation for their ASE certification test. (The examples are NATEF (National Automobile Technician Education Foundation) tasks that the student may complete for ASE (Automotive Service Excellence) certification.)

Standards: https://doe.sd.gov/cte/documents/Electrical-ES-HVAC.pdf

Reporting of Progress:

I. Semester Grade
   A. First Quarter 50%
   B. Second Quarter 50%

II. Grading Items
   A. Participation
   B. Quizzes
   C. Tests
   D. Projects

***Grades are based on an average of total points earned*

Instructional Course Content:

I. Automotive Safety
   A. Safety Equipment
   B. Shop Dangers and Hazards

II. Electrical/HVAC Systems
   A. Electrical Systems
   B. Electrical Theory
   C. Mitchell1 Operation
   D. Wire Repair
   E. HVAC Operation
   F. HVAC Components
   G. Major Systems (Cooling, Braking, Lubrication, Battery, Tire/Wheels)

III. Real World Repairs

Employability 22152

Career Cluster: Foundational Course

Prerequisites: none

Course Description:

The Employability class is designed to teach skills that are fundamental to creating an employable individual. This class introduces students to skills and knowledge necessary to understand the factors that contribute to life-long work success. The goal of the course is to provide students with a knowledge foundation to promote successful transition from school to career.

Standards: https://doe.sd.gov/cte/documents/Employabi.pdf

Reporting of Progress:

I. Semester Grade
   - A. First Quarter 50%
   - B. Second Quarter 50%

II. Grading Items
   - A. Participation
   - B. Quizzes
   - C. Tests
   - D. Projects

***Grades are based on an average of total points earned*

Instructional Course Content:

I. Making the Transition from School to Career
II. Understanding Work-Based Learning
III. What Your Employer Expects
IV. Finding and Applying for a Job
V. Interviewing for Jobs
VI. Teamwork and Problem-Solving Skills
VII. Communicating on the Job
VIII. Learning About Yourself
IX. Learning About Careers
X. Making Career Decisions

Exploring Technology 21051

Career Cluster: STEM
Prerequisites: none

Course Description:
This course is designed to allow students to explore basic technological concepts and related career fields. Topics include the universal systems model and technology systems. Activities are structured to integrate physical and social sciences, mathematics, language, and fine arts. This course can also contribute to the development of a career development plan. Technology Education is designed to help students develop an appreciation for an understanding of technology through the study and appreciation of materials, tools, and processes of the past and present. This series of courses allows students to apply knowledge, tools, skills, and insights to the solving of problems found in communications, manufacturing, structural, and transportation systems. Students learn about and from technology, by applying abstract ideas and concepts of mathematics, science, language arts, and social studies. Through this integrated study of technology, students develop an understanding of the importance and role of technology in our society.This course will also use project-based learning to teach about technology and its role in our daily life. Students will design, problem solve, and construct projects with several different materials. Students will: sketch designs, manual draft designs, use CAD, use CNC equipment and other various software.

Standards: https://doe.sd.gov/cte/careerclusters_stem.aspx

Reporting of Progress:

I. Semester Grade
   A. First Quarter 50%
   B. Second Quarter 50%

II. Grading Items
   A. Participation
   B. Quizzes
   C. Tests
   D. Projects

***Grades are based on an average of total points earned*

Instructional Course Content:

I. Analyze the scope and nature of technology
   A. Examine the relationship between technology and other areas of study
   B. Understand the effects of technology on the natural environment
   C. Examine the relationship between the cultural, social, economic, and political effects of technology on society

II. Apply the system-thinking model (the feedback loop) to technology
   A. Apply the design process to the engineering design process

III. Solve problems using innovation, research, experimentation, and design
    A. Use research and experimentation methods to solve problems
    B. Use innovative and/or troubleshooting methods to solve problems
IV. Apply appropriate skill sets to various ranges of technology
    A. Understand biotechnologies
    B. Understand energy and power technologies
    C. Understand information and communication technologies
    D. Understand transportation technologies
    E. Understand manufacturing technologies and materials
    F. Understand construction technologies
    G. Understand medical technologies
V. Understand safety and health in technology
    A. Understand implication of health and public safety standards

Fashion Design 19201

Career Cluster: Arts, A/V Technology, Communications

Prerequisites: none

Course Description:

Fashion Design is an applied knowledge course intended to help students explore different aspects of careers in the fashion design industry. Students will study the history of the fashion industry, elements and principles of design, textile composition, and fashion illustration. Students will explore trends in fashion design and engage with industry specific technology used to produce fabrics and create fashion lines.

Standards: https://doe.sd.gov/cte/documents/ART_Fashn.pdf

Reporting of Progress:

I. Semester Grade
   - A. First Quarter 50%
   - B. Second Quarter 50%

II. Grading Items
   - A. Participation
   - B. Quizzes
   - C. Tests
   - D. Projects

***Grades are based on an average of total points earned*

Instructional Course Content:

I. Career Opportunities
II. History of Fashion
III. Influences on Fashion
IV. Textiles and Textile Products
V. Elements and Principles of Design
VI. Fashion Illustration and Production
VII. Creating Own Fashion Line

Finish Carpentry I 17007

Career Cluster: Architecture and Construction
Prerequisites: Introduction to Architecture & Construction

Course Description:
Students learn the process and use the tools, machines, materials and technologies used in the modern woodworking industry. The course will stress safe and proper use of hand and power tools, safe shop practices and shop environment safety. Students will display a working knowledge of terms and techniques to design and build a woodworking project.

Standards: https://doe.sd.gov/cte/careerclusters_arch.aspx

Reporting of Progress:

I. Semester Grade
   A. First Quarter 50%
   B. Second Quarter 50%

II. Grading Items
   A. Participation
   B. Quizzes
   C. Tests
   D. Projects

***Grades are based on an average of total points earned*

Instructional Course Content:

I. Safety
   A. General Lab Safety
   B. Power Tools
   C. Hand Tools

II. Career Exploration
   A. Career Opportunities
   B. Readiness Skills

III. Cross Curricular Integration
   A. Applied Math Skills

IV. Drafting
   A. Hand Drafting
   B. CAD
   C. Measurement
   D. Layout

V. Project Planning
   A. Identifying Wood Species

B. Analyzing design elements (Identifying various types of hardware, fasteners, and adhesives)
C. Planning/Estimating

VI. Construction
A. Joinery techniques
B. Assembly
C. Finishing techniques

Finish Carpentry II 17005

Career Cluster: Architecture and Construction
Prerequisites: Finish Carpentry I

Course Description:
This course prepares individuals to apply technical knowledge and skills to plan and estimate projects as well as set up and operate industrial woodworking machinery. Students will use industrial machinery to design and fabricate casework (cabinetry) and architectural millwork. This course will cover safe use of hand and power tools and machinery used in the production of casework and millwork. A variety of projects will be designed and constructed. Students will apply proper finishing and explore proper installation techniques as part of this program.

Standards: https://doe.sd.gov/cte/careerclusters_arch.aspx

Reporting of Progress:

I. Semester Grade
   A. First Quarter 50%
   B. Second Quarter 50%

II. Grading Items
   A. Participation
   B. Quizzes
   C. Tests
   D. Projects

***Grades are based on an average of total points earned*

Instructional Course Content:

I. Safety
   A. General Lab Safety
   B. Hand Tools
   C. Power Tools

II. Career Exploration
   A. Opportunities
   B. Education/Experience
   C. Readiness Skills

III. Drafting
   A. CAD
   B. Hand-Drafting
   C. Measurement

IV. Construction/Building
   A. Planning/Estimating

B. Build/Construct
C. Finishing Techniques

Fundamental Animal Science 18101

Career Cluster: Agriculture, Food, and Natural Resources
Prerequisites: None

Course Description:
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, animal products/marketing and employability. Utilizing appropriate equipment and technology should enhance classroom and laboratory content. Algebra, English, Biology and human relations skills will be reinforced in the course. Work-based learning strategies appropriate for this course are school-based enterprises and field trips. This class is reinforced through the FFA and Supervised Agricultural Experience (SAE) activities such as the Livestock Evaluation Career Development Event and related Proficiency Awards. Each student will be recommended to maintain a SAE.

Standards: https://doe.sd.gov/cte/documents/standards/18101-FundAnimalSci.pdf

Reporting of Progress:

I. Semester Grade
   - A. First Quarter 50%
   - B. Second Quarter 50%

II. Grading Items
   - A. Participation
   - B. Quizzes
   - C. Tests
   - D. Projects

***Grades are based on an average of total points earned*

Instructional Course Content:

I. Examine animal anatomy and physiology of domestic animals.
II. Analyze animal health indicators and responses.
III. Demonstrate understanding of practices that promote safe human and animal interactions.
IV. Distinguish elements of proper animal nutrition.
V. Study the reproductive system of animals.
VI. Identify factors that affect an animal's performance.
VII. Examine animal industry issues.
VIII. Develop employability skills related to the Animal Systems Pathway.

Fundamental Horticulture 18052

Career Cluster: Agriculture, Food and Natural Resources
Prerequisites: Introduction to Ag Food and Natural Resources

Course Description:
Fundamental Horticulture is designed to give students a background in horticultural science and the many career opportunities in nursery, garden, turf, and landscape industries. Nursery and landscape operations require skilled, educated employees. In this course, students develop the necessary knowledge and skills for both entry-level employment and advancement within the horticulture industries. 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 appropriate equipment and technology, including basic greenhouse management.

Standards: https://doe.sd.gov/cte/documents/Clusters/AG_18053_Horticulture.pdf

Reporting of Progress:

I. Semester Grade
   A. First Quarter 50%
   B. Second Quarter 50%

II. Grading Items
   A. Participation
   B. Quizzes
   C. Tests
   D. Projects

***Grades are based on an average of total points earned*

Instructional Course Content:

I. Identification
   A. Landscaping
   B. Fruit/Vegetable
   C. Floriculture
   D. Shrub

II. Plant Growth
   A. Anatomy/Function
   B. Nutrients
   C. Growth Deficiencies

III. Propagation
   A. Seed
   B. Bulbs

C. Grafting
D. Planting Schedules

IV. Soils
A. Nutrient Analysis
B. Acidity
C. Water Quality
D. Management

Gateway to Certified Nursing Assistant 14051

Career Cluster: Health Science
Prerequisites: none

Course Description:
Gateway to Certified Nursing Assistant is designed to empower high school students to take charge of and set a course for their future. It will prepare them to graduate with marketable skills and a real-world work connection. Students will be informed of the roles of the Certified Nursing Assistant focusing on direct patient care. After completing this portion for the Certified Nursing Assistant course, a student would need only to pass the state examinations in order to become a Certified Nursing Assistant. Clinical hours are required to meet certification requirements.

Standards: https://doe.sd.gov/cte/documents/standards/14051-GatewayCNA.pdf

Reporting of Progress:

I. Semester Grade
   A. First Quarter 50%
   B. Second Quarter 50%

II. Grading Items
   A. Participation
   B. Quizzes
   C. Tests
   D. Projects

***Grades are based on an average of total points earned*

Instructional Course Content:

I. Discuss the Certified Nursing Assistant (CNA) certification process and roles of the CNA in the healthcare environment.
II. Identify and implement principles related to infection control and basic safety/emergency situations.
III. Measure and record patient/resident's health-related vital data/statistics.
IV. Understand patient/resident's environment, basic human needs, and the importance of hygiene.
V. Understand care involving cognitive impairment, mental illness, and death and dying.

Graphic Design 11155

Career Cluster: Arts, A/V Technology, Communications
Prerequisites: none

Course Description:
Graphic Design I explores Legal and Ethical Issues, Career Opportunities, Fundamentals of Computer Graphics, Raster or Vector Graphics, Tools Used to Create Graphics, 2D & 3D Basic Animations.

Standards: https://doe.sd.gov/cte/documents/standards/11155-GraphicDesignI.pdf

Reporting of Progress:

I. Semester Grade
   A. First Quarter 50%
   B. Second Quarter 50%

II. Grading Items
   A. Participation
   B. Quizzes
   C. Tests
   D. Projects

***Grades are based on an average of total points earned*

Instructional Course Content:

I. Image Editing and Composition
   A. Proprietary and Non-Proprietary software
   B. Adobe Photoshop (Proprietary)
   C. www.photopea.com (Non-Proprietary)

II. Media Research and Exploration
   A. Learn content creation from content creators
   B. Analyze media for technique and content

III. Keyboarding Technique
   A. Fundamentals Review
   B. Intermediate Skills
   C. Advance Skills

IV. Design
   A. Proprietary and non-proprietary software
   B. Adobe In-Design (Proprietary)
   C. Figma (Non-Proprietary)
   D. Design Fundamentals

V. Digital Photography
   A. Fundamentals of Photography

B. Photographic Techniques

VI. Media Storage and Distribution

A. Adobe Lightroom

B. Google Photos

VII. Capstone Project

A. Online Digital Portfolio

B. Personal Professional Website/Online Resume

C. Career Opportunities in this field

Health Science Careers I: Exploration 14001

Career Cluster: Health Science
Prerequisites: none

Course Description:
Health Science Careers I explores the current interprofessional education (IPE) teamwork approach in health science and career options in an ever-expanding healthcare environment. Students in the course will evaluate unique abilities and explore personal career aspirations. In addition, the student will be exposed to legal, ethical, and safety implications inherent to providing high quality patient care.

Standards: https://doe.sd.gov/cte/documents/standards/14001-HealthSciI.pdf

Reporting of Progress:

I. Semester Grade
   A. First Quarter 50%
   B. Second Quarter 50%

II. Grading Items
   A. Participation
   B. Quizzes
   C. Tests
   D. Projects

***Grades are based on an average of total points earned*

Instructional Course Content:

I. Understand the healthcare setting networks and roles and responsibilities.
II. Identify health science career pathways.
III. Examine legal/ethical responsibilities and limitations of the healthcare worker.
IV. Understand and demonstrate safety practices in the healthcare environment.

Health Science Careers I: Engagement 14051

Career Cluster: Health Science
Prerequisites: Health Science Careers I: Exploration

Course Description:
Health Science Careers II: Engagement will help a student discover and develop marketable and real-world skills that are essential to all health care workers. This course will cover real world skills such as infection control, disease, diagnosis, treatment, hands on skills, and documentation.

Standards: https://doe.sd.gov/cte/documents/standards/14002-HealthSciII.pdf

Reporting of Progress:

I. Semester Grade
   A. First Quarter 50%
   B. Second Quarter 50%

II. Grading Items
   A. Participation
   B. Quizzes
   C. Tests
   D. Projects

***Grades are based on an average of total points earned*

Instructional Course Content:

I. Identify and apply principles of infection control.
II. Discuss disease, diagnosis, and treatment.
III. Demonstrate hands-on patient/residents' care skills.
IV. Demonstrate documentation standards and findings.
V. Utilize medical mathematics skills needed in healthcare work.

Interior Design 19205

Career Cluster: Arts, A/V Technology, Communications
Prerequisites: None

Course Description:
Interior Design I courses provide students with basic knowledge regarding furnishing and decorating home environments. While exploring design principles, personal or customer needs and style, and decision making, students may also explore the following topics: color, texture, furniture styles and arrangement, lighting, window treatments, floor and wall coverings, and home improvement/modification. Home Furnishing courses may also cover architectural style and design and take a larger look at housing problems or current housing issues.

Standards: https://doe.sd.gov/cte/documents/IntDesign.pdf

Reporting of Progress:

I. Semester Grade
   A. First Quarter 50%
   B. Second Quarter 50%

II. Grading Items
   A. Participation
   B. Quizzes
   C. Tests
   D. Projects

***Grades are based on an average of total points earned*

Instructional Course Content:

I. Housing and Human Needs
II. Influences on Housing
III. Decision Making Process
IV. Choosing a Place to Live
V. Acquiring a House
VI. Evolution of Exteriors
VII. Understanding House Plans
VIII. House Construction Process
IX. Arranging/ Selecting Furniture
X. Textiles for Environments

Introduction to Ag Food & Natural Resources 18001

Career Cluster: Agriculture, Food and Natural Resources
Prerequisites: none

Course Description:
This course allows students to study a variety of agricultural topics throughout the seven Agriculture, Food and Natural Resources pathways. It serves as an introduction to much of the coursework included within the Agriculture, Food and Natural Resources Cluster. Application of clinical and leadership skills are provided by participating in FFA activities, conferences, and skills competitions such as career development events (CDEs) and agricultural proficiency awards.

Standards: https://doe.sd.gov/cte/documents/Clusters/AG_18001_IntroAFNR.pdf

Reporting of Progress:

I. Semester Grade
   A. First Quarter 50%
   B. Second Quarter 50%

II. Grading Items
   A. Participation
   B. Quizzes
   C. Tests
   D. Projects

***Grades are based on an average of total points earned*

Instructional Course Content:

I. FFA
   A. General Info
   B. History
   C. Events/Opportunities

II. Natural Resources
   A. Types
   B. Protection
   C. Conservation

III. Animal Science
   A. Exploration of Animal Systems
   B. Trends
   C. Opportunities

IV. Plant Science
   A. Major Crop Production
   B. Nutrient Analysis

C. Marketing/Pricing

V. Food Science

A. Raw Commodities

1. Beef
2. Chicken
3. Pork

B. Processing

C. Wholesale-Retail-Table

Introduction to Architecture and Construction 17006

Career Cluster: Architecture and Construction
Prerequisite: none

Course Description:
This course will prepare students to delve into the architecture and construction industry. It covers all three construction career pathways offered, including architecture/drafting along with cabinetry and building construction. Students will explore many different topics where they will be able to complete hands-on activities to enhance the learning process.

Standards: https://doe.sd.gov/cte/careerclusters_arch.aspx

Reporting of Progress:

I. Semester Grade
   A. First Quarter 50%
   B. Second Quarter 50%

II. Grading Items
   A. Participation
   B. Quizzes
   C. Tests
   D. Projects

***Grades are based on an average of total points earned*

Instructional Course Content:

I. Safety
   A. General Lab Safety
   B. Hand Tools
   C. Power Tools

II. Career Exploration
   A. Opportunities
   B. Education/Experience
   C. Readiness Skills

III. Drafting
   A. Measurement
   B. Reading Blueprints

IV. Construction/Building
   A. Planning/Estimating
   B. Build/Construct

Introduction to Draft and Design 21102

Career Cluster: Architecture & Construction
Prerequisites: none

Course Description:
Each student will demonstrate an understanding of a solid foundation of drafting skills and techniques. Students will display safe working habits in every phase of lab projects as well as demonstrate skills in using basic drafting tools. Students will progress from manual drafting into CAD (computer-aided drafting and design). Drafting, the "language of industry," offers many career opportunities.

Standards: https://doe.sd.gov/cte/careerclusters_arch.aspx

Reporting of Progress:

I. Semester Grade
   A. First Quarter 50%
   B. Second Quarter 50%

II. Grading Items
   A. Participation
   B. Quizzes
   C. Tests
   D. Projects

***Grades are based on an average of total points earned*

Instructional Course Content:

I. Terminology & Equipment
   A. Recognize basic drafting terms
   B. Differentiate basic hand drafting and CAD drafting tools and their applications

II. Cross Curricular Integration
   A. Apply basic math skills
   B. Understanding various drawing scales

III. Drafting fundamentals and technical skills
   A. Integrate symbols, lettering, and geometric shapes on technical drawings
   B. Identify and illustrate line types and recommended by American National Standards Institute (ANSI)
   C. Define dimensioning styles and techniques on metric and imperial drawings
   D. Create orthographic projections
   E. Create isometric and pictorial drawings

IV. Implement computer aided software into to design work
   A. Identify CAD skills and applications of technical design
   B. Generate drawings and projections using CAD software

V. Explore career-ready practices

A. Compare career possibilities in the drafting industry

Introduction to Education and Training 19151

Career Cluster: Education and Training
Prerequisites: None

Course Description:
Education is a lifelong process. There is a need for continued learning after the traditional end to formal education. Educators and trainers provide educational opportunities for these life-long learners. Introduction to Education and Training is designed to give high school learners an overview of the opportunities, occupations, and skills needed in the education and training career cluster.

Standards: https://doe.sd.gov/cte/documents/IntroEduT.pdf

Reporting of Progress:

I. Semester Grade
   A. First Quarter 50%
   B. Second Quarter 50%

II. Grading Items
   A. Participation
   B. Quizzes
   C. Tests
   D. Projects

***Grades are based on an average of total points earned*

Instructional Course Content:

I. Explore career opportunities in education and training.
II. Analyze skills of effective educators or trainers.
III. Investigate influences on education and training.
IV. Analyze professional ethics and legal responsibilities in education and training.

Introduction to Hospitality, Tourism, & Recreation 16001

Career Cluster: Hospitality and Tourism
Prerequisites: None

Course Description:
Introduction to Hospitality, Tourism and Recreation focuses on pathways and careers in the Hospitality and Tourism cluster. Students identify and compare their personal attributes with careers in this cluster. Students explore the professional behaviors, skills and abilities necessary for hospitality, tourism and recreation.

Standards: https://doe.sd.gov/cte/documents/Introduction_to_Hospitality_and_Tourism_Standards.pdf

Reporting of Progress:

I. Semester Grade
   A. First Quarter 50%
   B. Second Quarter 50%

II. Grading Items
   A. Participation
   B. Quizzes
   C. Tests
   D. Projects

**Grades are based on an average of total points earned

Instructional Course Content:

I. Students will identify career pathways within the hospitality, tourism and recreation industry.
II. Students will examine safety, security and environmental issues related to the hospitality, tourism and recreation industry.
III. Students will summarize concepts of customer service.
IV. Students will discuss ethical and legal responsibilities of hospitality and tourism businesses.
V. Students will demonstrate skills and practices required for careers in hospitality, tourism and recreation industry.

Introduction to Human Services 19001

Career Cluster: Human Services
Prerequisites: None

Course Description:
Human Services courses introduce and expose students to career opportunities pertaining to the provision of individual, family, personal, and consumer services for other human beings. Course topics vary and may include, but are not limited to, child development and services, counseling and mental health services, family and community services, personal care services, and consumer services. Course activities depend upon the careers being explored.

Standards: https://doe.sd.gov/cte/documents/Intro_Human_Services_Standards.pdf

Reporting of Progress:

I. Semester Grade
   A. First Quarter 50%
   B. Second Quarter 50%

II. Grading Items
   A. Participation
   B. Quizzes
   C. Tests
   D. Projects

***Grades are based on an average of total points earned*

Instructional Course Content:

I. Personal Attributes
II. Personal Values, Interests, & Personalities
III. Family Tree/ Research
IV. Examine Professionalism
V. Identify Abilities, Learning Styles, & Skills
VI. Financial Literacy
VII. Digital Citizenship
VIII. Being a Responsible Consumer
IX. Resource Management

Introduction to Manufacturing 13001

Career Cluster: Manufacturing

Prerequisites: none

Course Description:

Students will be introduced to manufacturing. They will learn the basic welding techniques. Students will understand and be able to demonstrate the safe usage of an oxyacetylene torch, demonstrate skill proficiencies, and safe operation of wire feed welding and explore stick welding. Students will also be introduced to the engine lathe and learn how to use a micrometer.

Standards: https://doe.sd.gov/cte/documents/Intro-Manf.pdf

Reporting of Progress:

I. Semester Grade
   - A. First Quarter 50%
   - B. Second Quarter 50%

II. Grading Items
   - A. Participation
   - B. Quizzes
   - C. Tests
   - D. Projects

***Grades are based on an average of total points earned*

Instructional Course Content:

I. Career Exploration
   - A. Welding
   - B. Machining
   - C. Engineering
   - D. Automation

II. Safety
   - A. Welding Safety Practices
   - B. OSHA Certification

III. CAD Design
   - A. Sketchup
   - B. CNC Programming

IV. Production
   - A. Welding/Machining practice
   - B. Prototype
   - C. Construction
   - D. Test/Evaluation
   - E. Completion

Introduction to Vehicle Systems & Maintenance 20106

Career Cluster: Transportation, Distribution & Logistics
Prerequisites: None

Course Description:
Intro to Vehicle Systems & Maintenance is an introductory automobile course. Students will study the basic principles of electrical and mechanical systems used in motor vehicle technology while developing core hand skills. This course is designed to give learners an insight into careers in the automotive service and repair industry and encourages learners to undertake many maintenance and repair tasks. Students who complete this course should be able to test for their ASE certification in this field.

Standards: https://doe.sd.gov/cte/documents/Intro-Vehicle.pdf

Reporting of Progress:

I. Semester Grade
   A. First Quarter 50%
   B. Second Quarter 50%

II. Grading Items
   A. Participation
   B. Quizzes
   C. Tests
   D. Projects

***Grades are based on an average of total points earned.*

Instructional Course Content:

I. Automotive Safety
   A. Safety Equipment
   B. Shop Dangers and Hazards

II. Automotive Technology/Systems
   A. Engine Theory
   B. Automatic/Manual Transmission
   C. Mitchell1 Operation
   D. 4x4 Operation/Transfer Case
   E. Differentials
   F. Automotive Tools
   G. Alignment
   H. Intro. To Electrical
   I. Major Systems (Cooling, Braking, Lubrication, Battery, Tire/Wheels)

III. Real World Repair

Lifespan Connections 19255

Career Cluster: Human Services
Prerequisites: None

Course Description:
Lifespan Connections examines the role and dynamics of family, work, and other significant relationships. Through this course, students will analyze healthy relationships with children and adults of all ages in the context of family and workplace. The course will also cover strategies and resources to meet the needs of all individuals, families, and communities.

Standards: https://doe.sd.gov/cte/documents/standards/19255-Lifespan.pdf

Reporting of Progress:

I. Semester Grade
   A. First Quarter 50%
   B. Second Quarter 50%

II. Grading Items
   A. Participation
   B. Quizzes
   C. Tests
   D. Projects

**Grades are based on an average of total points earned*

Instructional Course Content:

I. The Choice of Parenting
II. Parent & Teen Relationships
III. Moral Development
IV. Effective Parenting
V. Relationships
VI. Pregnancy
VII. Prenatal Care
VIII. Cost of a Baby
IX. Childbirth
X. Baby Simulator
XI. Pregnancy Simulator

Mechanical Drafting & Design 21106

Career Cluster: Manufacturing
Prerequisites: Introduction to Draft & Design

Course Description:
This course is a study of the fundamentals of creating and storing drawings with the aid of computer aided drafting software. Students will learn the fundamental concepts, tools and commands of the CAD software through interactive hands-on projects and activities. Basic design knowledge will incorporate the skills necessary to draw, edit, set up and plot drawings, as well as exhibit 2D drawings and 3D models. Students will also learn to identify detailed components of CAD drawings, parts, and assemblies through projects.

Standards: https://doe.sd.gov/cte/documents/21106Mech.pdf

Reporting of Progress:

I. Semester Grade
   A. First Quarter 50%
   B. Second Quarter 50%

II. Grading Items
   A. Participation
   B. Quizzes
   C. Tests
   D. Projects

***Grades are based on an average of total points earned*

Instructional Course Content:

I. Understand mechanical design fundamentals and history
   A. Explore the history of mechanical drafting and design
   B. Identify and examine trends in mechanical drafting and design
   C. Differentiate basic hand drafting and CAD drafting tools and their applications

II. Cross Curricular Integration
   A. Apply basic math skills
   B. Understanding various drawing scales

III. Explore career-ready practices
   A. Compare the duties and educational requirements of various career options in mechanical drafting and design

IV. Drafting fundamentals and technical skills
   A. Integrate symbols, lettering and geometric shapes on technical drawings
   B. Identify and illustrate line types and recommended by American National Standards Institute (ANSI)
   C. Define dimensioning styles and techniques on metric and imperial drawings

D. Create orthographic projections
E. Create isometric and pictorial drawings

V. Understand drawing management, dimensioning, and notations
A. Examine drawing identification and management techniques used in mechanical drafting and design
B. Illustrate proper dimensioning and notation practices used in architectural drafting
C. Learn how to reverse-engineer an object

VI. Implement computer aided software into to design work
A. Identify CAD skills and applications of technical design
B. Generate drawings and projections using CAD software
C. Turn 2D drawings into 3D models using CAD software
D. Use knowledge gained to create various projects
E. Design and create technical drawings and 3D models

Media Production 11151

Career Cluster: Arts, A/V Technology, Communications
Prerequisites: none

Course Description:
Media Production focuses on technical skills and knowledge in all phases of media production. Students will also explore equipment operation, software applications, careers, social networking and media law.

Standards: https://doe.sd.gov/cte/documents/standards/11151-MediaProd.pdf

Reporting of Progress:

I. Semester Grade
   A. First Quarter 50%
   B. Second Quarter 50%

II. Grading Items
   A. Participation
   B. Quizzes
   C. Tests
   D. Projects

***Grades are based on an average of total points earned*

Instructional Course Content:

I. Video Editing and Composition
   A. Proprietary and Non-proprietary software
   B. Adobe Premiere Pro (Proprietary)
   C. www.clipchamp.com (Non-Proprietary)

II. Media Research and Exploration
   A. Learn content creation from content creators
   B. Analyze media for technique and content

III. Keyboarding Technique
   A. Fundamentals Review
   B. Intermediate Skills
   C. Advance Skills

IV. Content Design and Creation
   A. Simple audio/video editing
   B. Storytelling Fundamentals
   C. Storyboarding/Scriptwriting

V. Animation

VI. Audio Editing
   A. Adobe Audition (Proprietary)

B. Audacity (Non-Proprietary)

VII. 3D intro

A. Tinkercad

VIII. Video Game Creation

A. Construct

IX. Capstone Project

A. Online Digital Portfolio

B. Personal Professional Website/Online Resume

C. Career Opportunities in this field

Nutrition Wellness 19253

Career Cluster: Human Services and Tourism & Hospitality
Prerequisites: None

Course Description:
Nutrition and Wellness courses focus on how physical, mental, social, psychological, and emotional wellness are related to food, food selection, and health. Topics typically include dietary needs across one's lifespan, stress management, special dietary issues, and eating disorders as well as societal and genetic health issues that are addressed through the prevention education component of the class. Other topics covered range from healthy food selection, label reading, and diet analysis to understanding additives, making wise food choices, and dealing with food allergies.

Standards: https://doe.sd.gov/cte/documents/Nutrition_Wellness_Standards.pdf

Reporting of Progress:

I. Semester Grade
   A. First Quarter 50%
   B. Second Quarter 50%

II. Grading Items
   A. Participation
   B. Quizzes
   C. Tests
   D. Projects

***Grades are based on an average of total points earned*

Instructional Course Content:

I. Kitchen Safety
II. Food Management
III. Eating Patterns Influences
IV. Dietary Analysis
V. Nutritional Meal Planning
VI. Special Dietary Needs
VII. Purchasing Food
VIII. Food Preparation Techniques
IX. Careers Exploration

Personal Finance 19262

Career Cluster: Finance

Prerequisites: none

Course Description:

Personal Finance is designed to be an introduction to the world of money management. Students will learn what to do with their money by learning about their financial options and responsibilities as well as the consequences of mismanaged finances. The goal of this course is to teach students how to use personal financial resources to enjoy today and to be financially secure tomorrow.

Standards: https://doe.sd.gov/cte/documents/PerFinance.pdf

Reporting of Progress:

I. Semester Grade
   - A. First Quarter 50%
   - B. Second Quarter 50%

II. Grading Items
   - A. Participation
   - B. Quizzes
   - C. Tests
   - D. Projects

***Grades are based on an average of total points earned*

Instructional Course Content:

I. Making Smart Decisions
II. Income and Taxes
III. Financial Institutions and Services
IV. Savings
V. Credit
VI. Investing and Estate Planning
VII. Insurance
VIII. Housing
IX. Home Ownership

SD Eductors for Tomorrow 19152

Career Cluster: Education and Training
Prerequisites: Introduction to Education

Course Description:
Across the nation, particularly in South Dakota, schools, businesses and industries are facing a teacher or trainer shortage. The course SD Educators for Tomorrow is intended 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).

Standards: https://doe.sd.gov/cte/documents/Teachstnd.pdf

Reporting of Progress:

I. Semester Grade
   A. First Quarter 50%
   B. Second Quarter 50%

II. Grading Items
   A. Participation
   B. Quizzes
   C. Tests
   D. Projects

***Grades are based on an average of total points earned*

Instructional Course Content:

I. Evaluate personal and professional attributes essential to becoming an effective teacher or trainer.
II. Analyze knowledge required for careers in education.
III. Explore the importance of learner needs and standards to the planning process.
IV. Demonstrate integration of curriculum and instruction to meet developmental needs of individuals.

Web Development 10201

Career Cluster: Information Technology
Prerequisites: None

Course Description:
Web Development I is a course designed to guide students in a project-based environment implementing web development techniques. Using hypertext markup language (HTML5) coding and Cascading Style Sheets (CSS) 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.

Standards: https://doe.sd.gov/cte/documents/standards/10201-WebDev.pdf

Reporting of Progress:

III. Semester Grade
   A. First Quarter 50%
   B. Second Quarter 50%

IV. Grading Items
   A. Participation
   B. Quizzes
   C. Tests
   D. Projects

***Grades are based on an average of total points earned*

Instructional Course Content:

I. Identify basic principles of the Internet
   A. Construction
   B. Functions
   C. Use
II. Demonstrate creation of web pages
III. Format web pages using Cascading Style Sheets (CSS)
IV. Plan, design, implement, and maintain websites
V. Career exploration

Welding Technology 13207

Career Cluster: Manufacturing

Prerequisites: None

Course Description:

This course provides students with an understanding of manufacturing processes and systems common to careers in welding and related industries. Welding Technology is based on, but not limited to, American Welding Society (AWS) Guidelines for the Entry Level Welder.

Standards: https://doe.sd.gov/cte/documents/WeldTechn.pdf

Reporting of Progress:

V. Semester Grade
   - A. First Quarter 50%
   - B. Second Quarter 50%

VI. Grading Items
   - A. Participation
   - B. Quizzes
   - C. Tests
   - D. Projects

***Grades are based on an average of total points earned*

Instructional Course Content:

I. Welding/Torch Safety
   - A. Safety Equipment
   - B. Shop Dangers and Hazards

II. Oxy-Acetylene Torch
   - A. Torch Operation
   - B. Torch Safety
   - C. Torch Procedures

III. Welder
   - A. Welder Operation
   - B. Welder Safety
   - C. Welding Procedures

IV. Projects
   - A. Class
   - B. Community
   - C. Personal

V. 6-12 INSTRUCTIONAL DELIVERY

- Classroom Discussions
- Projects
- Presentations
- Hands-on Experiences
- Simulations
- Online software
- Guest speakers
- Field Experiences

VI. 6-12 INSTRUCTIONAL MATERIALS

- School approved and purchased instructional materials (including online counterpart and supplemental materials)
- Technology & Software
- Research-based and data driven teacher-created materials

VII. 6-12 ASSESSMENT METHODS & TOOLS

- Formative Assessments
    - Tests
    - Quizzes
    - Projects
    - Simulations
    - Presentations
- Summative Assessments
    - Projects
    - Tests
    - Field Experiences

VIII. REPORTING PROGRESS

Key For Sixth, Seventh, and Eighth Grade Academic Areas

A+ 100
A 96-99
A- 94-95
B+ 92-93
B 89-91
B- 87-88
C+ 85-86
C 81-84
C- 78-80

D+ 76-77
D 72-75
D- 70-71
F Below 70

Key for Nineth, Tenth, Eleventh, and Twelfth Grade Academic Areas

A 94-100
B 87-93
C 78-86
D 70-77
F Below 70