NORTH SUMMIT HIGH SCHOOL

GRADUATION REQUIREMENTS & COURSE DESCRIPTIONS 2018-2019

Updated: May 20, 2018

NORTH SUMMIT HIGH SCHOOL

111 E. 100 S.
PO Box 497
Coalville, UT 84017

Home of the Braves
Colors: Purple and Gold
Classification: 2A

Course Offerings and Descriptions

2018-2019

Accredited by AdvancEd Accreditation Services

Mission Statement

The mission of North Summit High School is to provide opportunities for students to become lifelong learners and successful contributors to society.

Office Phone: 435-336-5656
Counseling Office: 435-336-5656, opt. 2
Fax: 435-336-0309
www.nsummit.org

Principal: Wade Murdock
Vice Principal: Devin Smith
Counselor: Lance Pace
CTE Director: Katie Silcox
Administrative Secretary: Katie Chappell
Financial Secretary: Shelly Moore
Registrar: Rhonda Butcher
Special Education: Kelly Paskett
Live Interactive: Betty Jo Staples

Updated: May 20, 2018

North Summit High School Graduation Requirements

24 Credits required

Language Arts	4	Language Arts 9, 10, 11 and 12
Math	**3**	Secondary Math 1, 2 and 3 Or Secondary Math Honors 1, 2, and 3
Science	**3**	(1 Physical, 1 Biological, 1 Elective)
History/Social Studies	***2.5***	*(Class 2019-2021)*
History/Social Studies	***3***	*(Class 2022)*
Health	**.5**	
PE	**1.5**	.5 must come from Fitness for Life
CTE (Career and Technical Education)	**1**	
Career Elective	**.5**	
Art	**1.5**	
Financial Literacy	**.5**	
Digital Studies	**.5**	
Electives	**5.5**	*(Class 2019-2021)*
Electives	**5**	(Class 2022)

Updated: May 20, 2018

Language Arts (English): 4.0 credits	**Mathematics: 3.0 credits required** ***4.0 recommended for Post-Secondary Education***
English 9 English 10 English 11 English 12: - English 12 - Business Communications 1 & 2 - Debate - English 1010/ (with one other Live Interactive Class or another .5 credit of senior English class option.	Secondary Math 1/ Honors 1 Secondary Math 2 / Honors 2 Secondary Math 3 / Honors 3 *or* Math of Personal Finance approval Optional 4th math: -Math 1010 -Math 1050 -Calculus - Statistics
Science: 3.0 credits	**Social Studies (History): 3.0 credits**
1 Biological Science - Biology - Ag Biology 1 Physical Science - Chemistry - Physics / Honors 1 Elective Science - Anatomy and Physiology - Electronics 1 & 2 - Engineering Principals - Animal Science 1 & 2 - Equine Science - Veterinary Assistant - Plant and Soil Science - Live Interactive Science Course (.5)	Required: World Geography (.5) World History (.5) US Studies (1.0) Government and Law (.5) ***Classes 2019-2021 only need the 2.5 required*** ***Class of 2022 and beyond need .5 elective*** Psychology (.5) Live Interactive History class (.5) *More elective classes will be added in the 2019-2020 school year.*

Health: .5 credits Health	**PE: 1.5 credits** One credit can be fulfilled through sports. .5 must come from Fitness for Life Fitness for Life Weight Training Drill Team Dance (Cheerleading)
Digital Studies: .5 credits Business Office Specialist (.5) Digital Business (.5)	**General Financial Literacy: .5 credits** Financial Literacy (.5) Snow Bus. 1220 (.5)
Art: 1.5 credits Ceramics/Sculpture (1.0) Basic Digital Photography (1.0) Design and Visual Communications (1.0) Commercial and Advertising Art Drama/Musical. (.5) Band Jazz Band/Drumline (before school) UVU Music 1010 (Dr. Hunter) (.5) Live Interactive Art courses (.5) **These classes provide ½ credit toward art. One year of a combination of these classes will give .5-art credit.* *Apparel Production and Design *Floral Design *Landscape Management *Interior Design *Broadcasting 1 & 2	**Career Elective: .5** Any CTE class Any advanced Math or Science class Any Live Interactive course **CTE: 1 credit** *Please see list of CTE classes on next page* **Electives:** **Class 2019-2021: 5.5 credits** **Class 2022 and beyond: 5 credits** Act Prep (.5) Spanish I, II (1.0) Psychology (.5) Debate (1.0) Latinos in Action (.5) All classes can be counted as elective once all other requirements are met.

CTE Class Options

Family and Consumer Sciences (FCCLA)

Interior Design
Teen Living (9-10)
Child Development (10-12)
Foods I and II
(A) Apparel Design and Production 1 & 2
(A) Sports and Outdoor Product Design 1 & 2
(B) Fashion Design and Merchandising
(B) Fashion Design Studio
Adult Roles (11-12)
Culinary Arts (Foods 3)

(A) (B) These classes will alternate every other year

Agriculture /Science Classes (FFA)

Leadership 1 & 2 (requires instructor permission)
Welding Entry (9)
Welding Intermediate and Advanced (10-12)
Animal Science 1
Plant and Soil Science
Vet Assistant
(A) Floriculture & Greenhouse Management (11/12)
(A) Equine Science
(B) Animal Science 2
(B) Floral Design .50 (11/12)
(B) Landscape Management .50 (11/12)

(A) (B) These classes will alternate every other year

Engineering/Woods (Skilled and Tech)

Engineering Technology
Engineering Principals 1 & 2
Information & Communication Technology
Electronics 1 & 2
Woodworking

Business / Computers (FBLA)

Business Office Specialist
Business Management
Sports and Entertainment Marketing (.50)
(*A) Marketing I (.50)*
(B) Entrepreneurship (.50)
Business Communications I and II
Digital Business Applications
Broadcasting I and II

(A) (B) These classes will alternate every other year

Art

Basic Digital Photography (11-12)
Design and Visual Communications (9-12)
Commercial and Advertising Art

Health Sciences (HOSA)

Certified Nursing Assistant
Anatomy and Physiology
Medical Terminology
Medical Case Studies

Other

Teaching 1
Teaching 2
Workplace Skills (11-12)
CTE Internship (11-12)

Updated: May 20, 2018

North Summit High School CTE Pathways
2018-2019

Agriculture, Food & Natural Resources

Agriculture Production Systems
Foundation (2.0 credits required)
____ Animal Science 1 (1.00)
____ Plant and Soil Science (1.00)

Elective Courses (1.0 credit required)
____ Animal Science 2 (1.00)
____ Bio-Ag (1.00)
____ Business Management (.50)
____ Business Communications 1 (.50)
____ Business Communications 2 (.50)
____ Leadership Principles 1 & 2 (1.00)
____ Summer Ag Program (.25)
____ Workplace Skills (.50)

Plant Science
Foundation Courses (2.00 credits required)
____ Floriculture and Greenhouse Mgt. (1.00)
____ Landscape Management (.50)
____ Plant and Soil Science 1 (1.0)
____ Floral Design/Floriculture (.50)

Elective Courses (1.00 required)
____ Bio-Ag (1.00)
____ Business Management (.50)
____ Business Communications 1 (.50)
____ Business Communications 2 (.50)
____ Leadership Principles 1 & 2 (1.00)
____ Summer Ag Program (.25)
____ Workplace Skills (.50)

Veterinary & Animal Science
Foundation Courses (2.00 credits required)
____ Animal Science 1 (1.00)
____ Animal Science 2 (1.00)
____ Veterinary Assistant (1.00)

Elective Courses (1.00 required)
____ Bio-Ag (1.00)
____ Equine Science (1.00)
____ Business Management (.50)
____ Business Communications 1 (.50)
____ Business Communications 2 (.50)
____ Leadership Principles 1 & 2 (1.00)
____ Summer Ag Program (.25)
____ Workplace Skills (.50)

Food Science, Dietetics & Nutrition
Foundation Courses (1.00 credit required)
____ Food and Nutrition 2 (.50)
____ Foundations of Nutrition (.50)

Elective Courses (2.00 credits required)
____ Food and Nutrition 1 (.50)
____ Medical Anatomy & Physiology (1.00)
____ Work Place Skills (.50)

Arts, Audio/Visual Technology & Communications

Broadcasting: TV Broadcasting Technician
Foundation Courses (1.00 required)
____ TV. Broadcasting 1 (.50)
____ TV. Broadcasting 2 (.50)

Elective Courses (2.00 credits required)
____ Basic Digital Photography (1.0)
____ Electronics 1 (.50)
____ Workplace Skills (.50)

Fashion Apparel & Textiles
Foundation Courses (1.50 Credits required)
____ Fashion Design Studio (.50)
Choose one of the following courses:
____ Apparel Design and Production 1 (.50)
____ Sports and Outdoor Product Design 1 (.50)
Choose one of the following courses:
____ Apparel Design and Production 2 (.50)
____ Sports and Outdoor Product Design 2 (.50)

Elective Courses (1.50 required)
____ Fashion Design Merchandising (.50)
____ Entrepreneurship (.50)
____ Workplace Skills (.50)

Graphic Design & Communication: Commercial Art
Foundation Courses (2.00 credit required)
____ Commercial and Advertising Art (1.0)
____ Design and Visual Communications (1.0)

Elective Courses (1.0 credit required)
____ Basic Digital Photography (1.0)
____ Business Management (.50)
____ Entrepreneurship (.50)
____ Workplace Skills (.50)

Updated: May 20, 2018

North Summit High School CTE Pathways
2018-2019

Arts, Audio/Visual Technology & Communications (Cont.)

Graphic Design & Communication: Commercial Photography
Foundation Courses (1.00 credit required)
___ Basic Digital Photography (1.00)

Elective Courses (2.00 credits required)
___ Commercial and Advertising Art (1.00)
___ TV Broadcasting 1 (.50)
___ Workplace Skills (.50)

Health Science

Nursing Services
Foundation Courses (.50 required)
___ Certified Nursing Assistant (1.0)

Elective Courses (2.50 required)
___ Food and Nutrition 1 (.50)
___ Food and Nutrition 2 (.50)
___ Foundations of Nutrition (.50)
___ Medical Anatomy and Physiology (1.00)
___ Medical Terminology (.50)
___ Workplace Skills (.50)

The other .50 of CNA can count for an elective.

Hospitality and Tourism

Culinary Arts
Foundation Courses (1.00 Credit required)
_____ Culinary Arts (1.00)

Elective Courses (2.00 credits required)
_____ Food and Nutrition 1 (.50)
_____ Food and Nutrition 2 (.50)
_____ Foundations of Nutrition (.50)
_____ Entrepreneurship (.50)
_____ Work Place Skills (.50)

Business Management and Administration

Office/Administration Support & Technical Support
Foundation Courses (1.00 Credit required)
_____ Business Communications 1 (.50)
_____ Business Office Specialist (.50)
_____ Digital Business Applications (.50)

Elective Courses (2.00 credits required)
___ Business Communications 2 (.50)
___ Business Management (.50)
___ Workplace Skills (.50)

Additional foundation credits can count toward elective credit.

Manufacturing

Welding
Foundation Courses (1.00 credit required)
_____ Welding Technician Entry Level (.50)
_____ Welding Technician Intermediate Level (.50)

Elective Courses (2.00 Credits required)
_____ Business Management (.50)
_____ Electronics 1 (.50)
_____ Entrepreneurship (.50)
_____ Welding Technician Advanced Level (1.00)
_____ Workplace Skills (.50)

Live Interactive

Live Interactive courses are offered through UVU and Snow College. Students may graduate with their Associates of Science Degree through UVU.

- Sophomores may take Live Interactive course, however they must have a 3.5 GPA, take an accuplacer test and have parent permission.
- Juniors and Seniors must have a 3.0 to be eligible for Live Interactive courses.
- Students must register with either Snow College or UVU as a student before registering for classes. There will be an application fee.
- Live Interactive course cost $15 per 3 credit course.
- Please visit with Mrs. Staples for current class offerings and more information on registering.

Course Descriptions

Updated: May 20, 2018

Agricultural Education

Animal Science 1 – 9th grade – Elective Science – 1.0 Credit – Year long class
COURSE DESCRIPTION: Students will develop knowledge and skills in a wide range of scientific principles, including genetics, anatomy, physiology, nutrition, disease, pests, and management practices. The scientific processes of observation, measurement, hypothesizing, data gathering, interpretation, analysis, and application are included. Career opportunities and educational preparation are examined. Learning activities are varied, with classroom, laboratory, and field experiences emphasized. Students will study the National FFA Program and meet requirements to earn their first FFA award along with planning and implementing a Supervised Agricultural Experience Program (SAE)

Animal Science 2 – 11th & 12th – Elective Science – 1.0 Credit - Year long class
COURSE DESCRIPTION: Students will develop knowledge and skills in a wide range of animal agriculture principles, including anatomy and physiology, health maintenance, waste disposal, and facilities. The efficient production and effective management of selected animal enterprises are covered, including beef and dairy cattle, swine, sheep and goats, poultry, and equine. Practices in veterinary medicine and those associated with small animal care are included.. This course alternates every other year with Equine Science.

Plant and Soil Science 9th – 10th – Elective Science – 1.0 – Year long class
COURSE DESCRIPTION: Students will develop knowledge and skills in a wide range of scientific principles, such as genetics, disease, pests, and management practices. The scientific processes of observation, measurement, hypothesizing, data gathering, interpretation, analysis, and application are stressed. Career opportunities and educational preparation are examined. Learning activities are varied, with classroom, laboratory, and field experiences emphasized.

Biology – Ag or Ag Biology - 10th grade – Biological Science 1.0 Year long class
COURSE DESCRIPTION: This course is designed to meet the requirement for the biological science credit. The standards and objectives for this course are the same as the standards and objectives for Biology, with the only exception being the degree of emphasis in agriculture. Students completing this course will be cognizant of current technologies, methods and changes in agricultural science and are expected to know and apply the standards outlined in the core curriculum as they relate to the industry of agriculture. This course will also prepare 2nd year FFA members to receive their Chapter FFA Degrees and Awards. Agriculture pathways students should take Animal Science 1 or Floral/Greenhouse 1 as a 9th grader and this course in the 10th grade.

Floriculture and Greenhouse Management - 11th -12th – Elective Credit – 1.0 Credit – Year long class
COURSE DESCRIPTION: Students will develop knowledge and skills related to the floriculture industry. Floral design and greenhouse operations and management will be the primary units of study. Students will be prepared to create floral arrangements, produce

commercial plant species in a controlled environment, and manage commercial and experimental greenhouse operations. Students will also study FFA and have a SAE project.

Equine Science – 11th and 12th – Elective Credit - 1.0 Credit – Year long class
COURSE DESCRIPTION: This course prepares students to care for horses and horse equipment; to train horses for various work and athletic or entertainment roles; and to manage horse training, breeding, and housing programs and facilities. Lots of hands on with live horses will be used to teach the content of this course. The students will also be prepared to receive and earn proficiency awards and State FFA Degrees. This class has a prerequisite of Animal Science 1 or Ag Biology/Biology. This course alternates every other year with Animal Science 2 Science.

Vet Assisting – 11th – 12th **-** Elective Credit – 1.0 credit – Year long class
COURSE DESCRIPTION: This course provides the opportunity for students to explore different avenues of the veterinary profession. Students will be exposed to veterinary science and principles, which include anatomy, physiology, chemistry, animal health and disease, dentistry and laboratory procedures. Students will provide hands-on care as they develop skills in the areas of surgical assisting, bandaging, wound care, oral care, and general nursing care.

Floral Design – 11th-12th – Partial Art Credit or Elective Credit - .50 – Semester A Class
COURSE DESCRIPTION: Students will develop knowledge and skills related to the floriculture industry. Floral design and management will be the primary units of study. Students will be prepared to create floral arrangements, grow floriculture crops, and manage commercial floriculture operations. Students will also study FFA and have a SAE project. This class required a prerequisite of: Floriculture and Greenhouse Management Year Long and Ag Biology or Biology.

Greenhouse Management – 11th-12th –Elective Credit - .50 – Semester B Class
Students will develop knowledge and skills related to the floriculture industry. Floral design and greenhouse operations and management will be the primary units of study. Students will be prepared to create floral arrangements, produce commercial plant species in a controlled environment, and manage commercial and experimental greenhouse operations.

Landscape Management- 10th-12th – Elective Credit Elective Credit - .50 – Semester B Class
COURSE DESCRIPTION: Students will develop knowledge and skills in nursery operation and landscape management practices that will prepare the students to select appropriate plant materials and to design, install, and maintain interior and exterior plantings and hardscapes. They will also learn to maintain the facilities and equipment associated with this industry.

Leadership 1– 11th – 12th grade 11th and 12th grade – Elective Credit – 1.0 – Year Long - or 3.0 Concurrent Enrollment Credits from UVU for MGMT 1250
COURSE DESCRIPTION: This class teaches how to be an effective leader. Concepts include leadership history, goal setting, time management, effective communication, diversity, and decision making. Students may be eligible to receive three (3) credits of concurrent enrollment at Utah Valley University.

Leadership II - 11th – 12th grade 11th and 12th grade – Elective Credit – 1.0 – Year Long - or 3.0 Concurrent Enrollment Credits from UVU
COURSE DESCRIPTION: This class teaches how to be an effective leader. Concepts include power, team management, dealing with change, and ethics. Student will also be in charge of organizing and implementing a class project. Students may be eligible to receive three (3) credits of concurrent enrollment at Utah Valley University. Prerequisite: Leadership I

Welding Technician, Entry Level (9)
Students will learn basic welding skills that will prepare them to apply technical knowledge and skill in the workplace and in project construction. Students will learn and practice knowledge, attitude, skills, and habits required for performing tasks autonomously, including the selection and use of appropriate techniques and equipment with minimum supervision.

Welding Technician, Intermediate Level (10-12)
Students will learn intermediate welding skills that will prepare them to apply technical knowledge and skill in the workplace and in project construction. Students will learn and practice knowledge, attitude, skills, and habits required for performing tasks autonomously, including the selection and use of appropriate techniques and equipment with minimum supervision.

Welding Technician, Advanced Level (11-12)
Students will learn more advanced skills in the welding processes that will prepare them to apply technical knowledge and skill in the workplace and in project construction. Students will learn and practice knowledge, attitude, skills, and habits required to perform tasks autonomously and with minimum supervision, including the selection and use of appropriate techniques and equipment..

Art

Basic Digital Photography – year-long class
This course is an introduction to the field of commercial photography. This course will cover many basic concepts, including but not limited to: purchasing a digital camera, image capture, image editing, and image output. This course will also feature Adobe Photoshop, its features and uses. These concepts will enable the student to be more knowledgeable and prepared to enter the field of commercial photography. If available, students are advised to continue on with the Advanced Commercial Photography course.

Ceramics /Sculpture
Ceramics develops basic skills in the creation of 3D forms and pottery from clays. With an emphasis on studio production, this course is designed to develop higher level thinking, art related technology skill, art criticism, art history, and aesthetics.

Commercial and Advertising Art
general principles and techniques for effectively communicating ideas and information, and promoting products to business and consumer audiences. This course prepares individuals in any of the applied art media including: drawing, painting, computer graphics, and others.

Design and Visual Communications
An applied visual arts that focuses on the general principles and techniques for effectively communicating ideas and information, and packaging products, in digital and other formats to business and consumer audiences, and that may prepare individuals in any of the applied art media.

Business/Computer

Sports and Entertainment Marketing .50 credit
This is an introductory course that will help students gain an understanding of marketing concepts as they apply to the sports and entertainment industry. The areas this course will cover include: core marketing standards, market segmentation, target marketing, the event marketing triangle (events, fans, and sponsors), sports and entertainment promotion and marketing plans.

Marketing 1 .50 credit
Marketing I explores the seven core functions of marketing which include: marketing planning – why target market and industry affects businesses; marketing information management – why market research is important; pricing – how prices maximize profit and affect the perceived value; product/service management – why products live and die; promotion – how to inform customers about products; channel management – how products reach the final user; and selling – how to convince a customer that a product is the best choice. Students will utilize knowledge in hands-on projects, which may include: Conducting research, creating a promotional plan, pitching a sales presentation, and introducing an idea for a new product/service.

Business Management .50 credit
This course seeks to develop sound management concepts within students, as management plays a role in any future employment opportunity. Students are able to analyze, synthesize, and evaluate data from the other functional areas of business (e.g., marketing, finance, and production/operation). Effective management requires decision-making abilities, long range planning, knowledge, human relations expertise, and motivational

skills. Students learn the four basic functions of management: planning, organizing, directing, and controlling.

Entrepreneurship .50 credit
Students will become aware of the traits and characteristics of successful entrepreneurs. Students will gain an awareness of knowledge needed in research, planning and regulations affecting the small business and the means of financing a small business. They will understand the specific strategies of business management and marketing and the economic role of the entrepreneur in the market system. Entrepreneurship is designed for students enrolled in business and marketing education, and/or other courses, who have an interest in developing the skills, attitudes, and knowledge necessary for successful entrepreneurs.

Business Communications 1 .50 credit
Business Communication affects all aspects of our lives. This introductory course will teach students to communicate in a clear, courteous, concise, complete, and correct manner on both the personal and professional levels. Competency will be developed in oral, written, interpersonal, technological, and employment communication. Listening skills will be incorporated throughout the semester. The overriding goal is to provide students with a solid communication base, so they are able to communicate effectively. When taken as a senior along with Business Communications 2. Will count for Senior English.

Business Communications 2 .50 credit
This advanced course can be used to build upon the skills acquired in Business Communication I or used as a stand-alone class that focuses on additional methods of professional communication skills. Competency will be developed in oral, written, interpersonal, technological, and employment communication, and listening skills will be incorporated throughout the semester. The goal is to provide students with a practical, proficient portfolio consisting of a cover letter, resume, and follow-up letter. Students will complete the course with a greater understanding of the impact of technology and the need for effective communication skills to advance in a business career. Will count for senior English when taken as a senior in conjunction with business communication 1.

Digital Business Applications .50 credit
The Digital Business Applications course is designed to prepare students with the knowledge and skills to be an asset to the collaborative, global, and innovative business world of today and tomorrow. Concepts include the overall digital experience, digital communications, digital media and the exploration of career choices. This course also provides practical experience in professionalism using various forms of presentation skills, including speaking, podcasting and digital portfolio relating to the globalization of business.

Business Office Specialist .50 Credit
This course applies advanced concepts and principles using word processing, spreadsheets, databases, and electronic presentation software. Students will integrate applications learned. This course will also count towards the Digital Studies requirement.

Broadcasting 1 .50 credit
This course is designed to provide students with the basic knowledge and skills related to the television broadcasting industry. This includes instruction and hands-on assignments in the following areas: camera operation, audio systems, lighting systems, pre-production, studio operations, control room operations, visual effects and graphics, and copyright laws.

Broadcasting 2 .50 credit
This course is designed to provide students with the advanced knowledge and skills related to the television broadcasting industry. This includes instruction and hands-on assignments in the following areas: camera operation, audio systems, lighting systems, pre-production, studio operations, control room operations, visual effects and graphics, and copyright laws.

English

9th Grade English
This course adheres to the standards as outlined by the Utah Common Core curriculum, with a particular emphasis on reading comprehension and real-world writing applications. Students will be prepared for the tenth grade by becoming proficient in all the basic mechanics and organization of writing.

10th Grade English
Students will focus on argumentative and informational writing integrated with primarily non-fiction texts.

11th Grade English
This course adheres to the standards as outlined by the Utah Common Core curriculum, with a particular emphasis on craft and structure in writing and grade-level reading comprehension. Students will be prepared to take the ACT, and will demonstrate proficiency in real-world writing styles, such as the kind required on job applications, scholarship applications, and college entrance essays.

12TH Grade English
Student will learn the following:
Read closely to determine what the text says explicitly and to make logical inferences from it; cite specific textual evidence when writing or speaking to support conclusions drawn from the text. Determine central ideas or themes of a text and analyze their development; summarize the key supporting details and ideas.
Analyze how and why individuals, events, and ideas develop and interact over the course of a text. Integrate and evaluate content presented in diverse formats and media, including visually and quantitatively, as well as in words. Delineate and evaluate the argument and

specific claims in a text, including the validity of the reasoning as well as the relevance and sufficiency of the evidence. Analyze how two or more texts address similar themes or topics in order to build knowledge or to compare the approaches the authors take.

Family and Consumer Sciences

Apparel Design & Production 1 - 9th – 12th Grade
Course Description – This course introduces students to basic apparel design & construction skills. These skills prepare students for the exciting global apparel industry & entrepreneurial opportunities. Students will sew apparel & accessory projects. This course will strengthen comprehension of concepts & standards outlined in Sciences, Technology, Engineering & Math (STEM) education. Student FCCLA introduction, leadership & competitive events will be integrated into this course. **Credits .50, CTE Pathway: Fashion Design, Manufacturing & Merchandising**

Apparel Design & Product 2 - Grades 10th – 12th
Must complete Apparel Design 1 or Sports & Outdoor Product 1
Course Description – This course is to help students to further strengthen and broaden the apparel design & production techniques. They will design & construct intermediate level projects using various construction techniques. They skill will prepare students for the exciting global apparel industry & entrepreneurial opportunities. This course will strengthen comprehension of concepts & standards outlined in Sciences, Technology, and Engineering & Math (STEM) education. Student leadership & competitive events through FCCLA will be an integral part of the course. **Credits .50, CTE Pathway: Fashion Design, Manufacturing & Merchandising**

Sports & Outdoor Product Design 1 - 9th – 12th Grade
Course Description – Student learn basic design & construction skills using technical fabrics to make projects for the outdoor/sports industry. The skills will introduce & prepare students for employment opportunities in the outdoor/sports industry. This course will strengthen comprehension of concepts & stands outlined in Sciences, Technology, Engineering & Math (STEM) education. Student leadership & competitive events (FCCLA) will be integrated into this course. **Credits .50, CTE Pathway: Fashion Design, Manufacturing & Merchandising.**

Sports & Outdoor Product Design 2 - Grades 10th – 12th
Must complete Apparel 1 or Sports 1
Course Description: This course is to help students to further strengthen and broaden the apparel design & production techniques. They will design & construct intermediate level projects using various construction techniques. They skill will prepare students for the exciting global apparel industry & entrepreneurial opportunities. This course will strengthen comprehension of concepts & standards outlined in Sciences, Technology, Engineering & Math (STEM) education. Student leadership & competitive events through

FCCLA will be an integral part of the course. **Credits .50, CTE Pathway: Fashion Design, Manufacturing & Merchandising**

Fashion Design Merchandising
9th – 12th Grade
Course Description – This course is an introductory course that teaches the concepts of entry-level business & fashion fundamentals. The following skill standards prepares students in fashion merchandising with the fundamentals of: basic fashion concepts & marketing terminology, fashion cycles, key components of fashion industry, retail management categories, fashion promotion & fashion careers. This course will strengthen comprehension of concepts & standards outlined in (STEM) education. Student leadership & competitive events through FCCLA will be an integral part of the course. **Credits .50, CTE Pathway: Fashion Design, Manufacturing & Merchandising**

FASHION DESIGN STUDIO - 9th – 12th Grade
COURSE DESCRIPTION: This course explores how fashion influences everyday life & introduces students to the fashion industry. Topics covered include: fashion fundamentals, elements & principles of design, textiles, consumerism & fashion related careers, with an emphasis on personal application. This course will strengthen comprehension of concepts & standards outlined in Sciences, Technology, Engineering & Math (STEM) education. FCCLA will be an integral part of this course. **Credits .50, CTE Pathway: Fashion Design, Manufacturing & Merchandising.**

FOODS & NUTRITION I - 9th - 12th Grade
COURSE DESCRIPTION - This course is designed to focus on the science of food & nutrition. Experiences will include food safety & sanitation, culinary technology, food preparation & dietary analysis to develop a healthy life style with pathways to career readiness. Lab based experiences strengthen comprehension of concepts & standards outlined in Science, Technology, Engineering & Math (STEM) education. Student leadership & competitive events **(**FCCLA will be an integrated part of this course. **Credits .50, CTE Pathway: Family & Human Services & Nursing.**

Foods & Nutrition II - 9th - 12th
Must complete Foods 1
Course Description - This course is designed to focus on principles of food preparation, sports nutrition, consumerism & career options in the food industry. The study & application of nutrition, sanitation, food sciences & technology in this course provides students with laboratory-based experiences that will strengthen their comprehension of concepts & standards outlined in Science, Technology, Engineering & Math (STEM) education. FCCLA may be an integral part of this course**. Credits .50,**
CTE Pathway: Family & Human Services & Nursing.

Culinary Arts (Foods 3) - 9th – 12th grades Year long class
Must complete Foods 1 & 2
Students will be trained for career opportunities in the food service/culinary arts industry. Students will have the opportunity to learn and practice safety and sanitation procedures, and to use and maintain commercial food service equipment. They will perform quantity food preparation as it relates to catering, bakery, restaurant, hospitality, and fast food business operations. This course will strengthen comprehension of concepts and standards outlined in Sciences, Technology, Engineering and Math (STEM) education. Student leadership and competitive events (FCCLA) may be integrated into this course.

Adult Roles & Responsibilities - 11th – 12th Grade
Course Description: This course prepares students to understand human relationships involving individuals & families. Topics include career & workforce preparation, family, parenting, money management, decision-making skills, communication skills, self-awareness, crisis management & individual roles & responsibilities within the family, community & workforce. This course will strengthen comprehension of concepts & standards outlined in Science, Technology, Engineering & Math (STEM) education. Student leadership & competitive event (FCCLA) will be an integral part of this course. **Credits: .50, CTE Pathway: Human & Family Services.**

Child Development - 10th – 12th Grade
Course Description: This course provides students with an understanding of aspects of human growth & development. Parenting skills are developed as positive guidance techniques & child-related issues are studied. Learning activities, observation techniques & lab experiences in working with young children may be included. (FCCLA) will be an integral part of course**. Credits 0.50., CTE Pathway: Family & Human Services & Nursing.**

TEEN LIVING - Designed 9th – 10th Grade (but any grade can take class)
COURSE DESCRIPTION: This course helps students to understand human & career literacy that ties to university courses of study in human services. Skill development will focus on career selection & preparation & the development of interpersonal skills. Students will analyze school, personal experiences & academic achievement as it relates to the world of family, careers & community. This course will strengthen comprehension of concepts & standard outlined in Sciences, Technology, Engineering & Math (STEM) education. Student leadership & competitive events **FCCLA will be integral into this course. Credits .50; CTE Pathway: Family & Human Services & Nursing.**

Interior Design I - 9th - 12th Grade
Course Description: This course explores the field of interior design through engaging learning activities. Identification & use of the elements & principles of design are emphasized. Other topics are furniture arrangement, floor plan evaluation, space planning & design related careers. Skills learned can be applied to current living environments & future career options. This course will strengthen comprehension of concepts & standards outlined in Sciences, Technology, Engineering & Math (STEM) Education. FCCLA will be an integral part of this course. **Credits: .50**

Health/Healthy Lifestyles

Health
Health education provides opportunities for students to develop knowledge, skills, and attitudes necessary for practicing lifelong, health-enhancing behaviors.

Fitness for Life
Fitness for Life is an individualized, concepts based course designed to give students the knowledge and skills necessary to self assess, create, conduct, evaluate, and redesign personal fitness programs. It is required of all students and there are no substitutions, including participation in athletics. Fitness for Life may be taken anytime during grades nine through twelve, but it is strongly recommended that students take the class in either the ninth or tenth grade year. The course is a combination of classroom and activity based learning activities with a focus on proper nutrition and the mastery of skills and concepts necessary for students to become accomplished monitors of their personal lifetime fitness. Through participation, students learn to compare the fitness benefits in a variety of individual and team activities.

Weight Training (During School hours)

MATHEMATICS

Secondary I Mathematics (Freshmen Math)
Students will deepen and extend their understanding of linear relationships, in part by contrasting them with exponential phenomenon, and in part by applying linear models to data that exhibit a linear trend. Students will use properties and theorems involving congruent figures to deepen and extend understanding of geometric knowledge. Algebraic and geometric ideas are tied together. Students will experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations. Successful completion of 8th grade math.

Secondary 1 Mathematics (Honors- Freshmen)
Honors students will complete everything in the Secondary Mathematics I course in addition to learning to represent and model with vector quantities and perform operations on vectors and matrices. Successful completion of the 8th Grade Honors Math program AND results of the placement tests.

Math of Personal Finance (11-12)
This course is designed for students in their junior or senior year of high school. The course represents content from mathematics and personal finance that are essential for students who will assume roles as consumers, money managers and members of a global workforce. Successful completion of all four quarters of this course will fulfill 1 credit of

supplemental mathematics requirements and complete the General Financial Literacy requirement for graduation.
Prerequisite: Currently enrolled in or successful completion of Secondary Math II.

Secondary II (Sophomore math)
A general survey math class for all sophomores focusing primarily on using lines and parabolas, graphing, trig, and factoring. Secondary II is required for graduation.
Secondary II Honors (Sophomore math): A focused math class for honors sophomores gearing toward preparing for Math 1050, covering lines, parabolas, graphing, trig, factoring, matrices, and other advanced math concepts. Instructor permission is required to enroll for this class. Secondary II is required for graduation.
Prerequisite: Math I

Secondary II Lab (Sophomores)
A math lab class that focuses on building math comprehension and completing homework. Instructor permission required to enroll. This class counts as an elective credit.
Prerequisite: Math II

Secondary Math III
Students in Secondary Mathematics III will focus on pulling together and applying the accumulation of learning that they have from their previous courses. They will apply methods from probability and statistics, expand their repertoire of functions to include polynomial, rational, and radical functions, they will expand their study of right triangle trigonometry and will bring together all of their experience with functions and geometry to create models and solve contextual problems.
All Secondary III Core Curriculum should be included in the Secondary III Honors Curriculum.
Prerequisite: Math II

Secondary Math III Honors
Students in Secondary Mathematics III will focus on pulling together and applying the accumulation of learning that they have from their previous courses. They will apply methods from probability and statistics, expand their repertoire of functions to include polynomial, rational, and radical functions, they will expand their study of right triangle trigonometry and will bring together all of their experience with functions and geometry to create models and solve contextual problems.
Same as Secondary Math 3 with the addition of exponential and logarithmic functions. Binomial theorem, conics, and Matrices
Prerequisite: Math II

Math 1010
This is a Concurrent Enrollment Course, offering both high school credit through North Summit High School and college credit through Utah Valley University. Credit from this course is transferable to all colleges and universities in the state of Utah. Contact the receiving institution for how the credits will be applied.

Expands and covers in more depth basic algebra concepts introduced in Beginning Algebra. Topics of study include linear and quadratic equations and inequalities, polynomials and rational expressions, radical and exponential expressions and equations, complex numbers, systems of linear and nonlinear equations, functions, conic sections, and real world applications of algebra.
Prerequisite: Math II

Math 1050
This is a Concurrent Enrollment Course, offering both high school credit through North Summit High School and college credit through Utah Valley University. Credit from this course is transferable to all colleges and universities. Contact the receiving institution for how the credits will be applied.

Includes inequalities, functions and their graphs, polynomial and rational functions, exponential and logarithmic functions, conic sections, systems of linear and nonlinear equations, matrices and determinants, arithmetic and geometric sequences, and the Binomial Theorem.
Prerequisite: Math II

Calculus
This course is an introduction to calculus. Topics include functions, limits, differentiation, and integration of functions. Applications of the derivatives and integrals for algebraic and trigonometric functions are also presented.
Prerequisite: Math II

Statistics
Summarize, represent, and interpret data on a single count or measurement variable. While students may have heard of the normal distribution, it is unlikely that they will have prior experience using it to make specific estimates. Build on students' understanding of data distributions to help them see how the normal distribution uses area to make estimates of frequencies (which can be expressed as probabilities). Emphasize that only some data are well described by a normal distribution

MUSIC

Chorus
This course provides opportunities for students to develop their musical potential and aesthetic understanding through singing in a choral ensemble. Study includes the care and cultivation of a beautiful tone, aesthetic sensitivity, the ability to read music with increasing fluency, the building of technical skills, team spirit, and responsible rehearsal habits. Students will have opportunities to experience the spontaneity of improvisation and the creative process of composition. Students will heighten listening skills and increase their ability to analyze and evaluate music and music performances. Attention will also be given

to relating their music experiences to the time and culture of the pieces they study, as well as to contemporary society.

Band
This course further develops and refines core concepts and fundamentals of music. Study includes the care and cultivation of a beautiful tone, the ability to read music with increasing fluency, the building of technical skills, team spirit, and responsible rehearsal habits. Students will have opportunities to experience the spontaneity of improvisation and the creative process of composition. Students will heighten listening skills and increase their ability to analyze and evaluate music and music performances. Attention will also be given to relating their music experiences to the time and culture of the pieces they study, as well as to contemporary society.

Jazz Band
This course further develops and refines core concepts and fundamentals of music. Study includes the care and cultivation of a beautiful tone, the ability to read music with increasing fluency, the building of technical skills, team spirit, and responsible rehearsal habits. Students will have opportunities to experience the spontaneity of improvisation and the creative process of composition. Students will heighten listening skills and increase their ability to analyze and evaluate music and music performances. Attention will also be given to relating their music experiences to the time and culture of the pieces they study, as well as to contemporary society.

Music 1010 Introduction to Music*
This is a Concurrent Enrollment Course, offering both high school credit through North Summit High School and college credit through Utah Valley University. Credit from this course is transferable to all colleges and universities. Contact the receiving institution for how the credits will be applied. This course is a survey course designed to make music more meaningful. Students will learn about melody, harmony, form, and rhythm together with historical and biographical information. Upon successful completion of this course, the student should have developed the following skills: Identify basic elements of music, identify the musical style periods, and identify major composers of each style period.

Sciences Biological

Anatomy and Physiology
This full-year course provides students with an in-depth study of healthcare careers including actual clinical experience in a variety of areas. Instruction includes intermediate anatomy and physiology, medical terminology, diseases and disorders, medical ethics and first aid. The class is designed to prepare students for the Advanced Health Science course and/or for a variety of health technology programs..

Biology
This course is intended for all students earning a biological science credit and is required for graduation. Biology allows you to explain the diversity of life forms in depth while

revealing their relationships and fundamentals unity in form and function. There will be an emphasis on five themes contributing to our study of biology this year: energy and ecosystems, cells, genetics, genetic applications, and ecosystems.

Medical Terminology
This is an upper division classes were students can earn 2 credit hours through Weber State University. A one-semester course that helps students understand the Greek- and Latin-based language of medicine and healthcare. Emphasis is placed upon word roots, suffixes, prefixes, abbreviations, symbols, anatomical terms, and terms associated with movements of the human body. This course also stresses the proper pronunciation, spelling, and usage of medical terminology. This class is helpful to anyone considering going in the healthcare field..

Medical Case Studies
This is an upper division class where students can earn 3 credit hours through Weber State University. Medical Case Studies is designed to study the health sciences and health professions through medical case studies. The course focuses on patient case histories, the pathophysiology of the disease process, and the health professionals who work as a team to diagnose and treat disease.
The course revolves around medical case studies. Each case study focuses on a different disease and different body system. The case studies link to four main supporting pages: medical terminology, body systems, diagnostic testing, and health professions. Health profession links will explore the job description, educational requirements, compensation ranges, and future opportunities for each of the professions presented.

Sciences – Physical

Earth Science
An introduction to the earth system stressing the geological, biological, chemical, and physical interactions among the atmosphere, ocean, and solid earth.

Chemistry
Chemistry is the study of matter and its changes. This means that chemistry is the study of everything. This course will focus on atomic structure, compounds and their properties, reactions, and stoichiometric changes, states of matter, and energy changes.

Physics
This course will introduce you to the wonderful world of Physics that includes Newtonian Physics and topics including electricity, energy, waves, and optics. Physics is the study of everything around you.

Honors Physics
This course focuses on the mathematical relationships and application of the world of Physics that includes Newtonian Physics and topics including electricity, energy, waves, and optics. Honors Physics is the study of everything around you.

SOCIAL SCIENCES

World Geography
Geography is described as the study of the "why of the where." Geography will explore how to use geography as a tool to better understand the world in which we live. Students will learn to evaluate and question the why and where of spatial perceptions that are read, seen, and heard. The six standards identified below are best understood when using the following geographic themes: location, place, movement, region, and human-environmental interaction.

World History
This course emphasizes the increasing interrelationships overt time of the world's people. These interrelationships have developed in two major arenas. First, the relationships have developed among major regions of the world: East Asia, South Asia, Southwest Asia (Middle East), Africa, Europe, North America and Latin America. Second, they have developed within all aspects of human activity: political, economic, social, philosophical and religious, scientific and technological, and artistic.

American History (US Studies)
Understanding United States history is essential for the continuation of our democratic society. This course will help students make connections between their world and the rich heritage of United States history. The course is designed as a survey of American history with an emphasis on post-Reconstruction American (1876- Present), but should include a review of the earlier period. The course can be taught using a thematic approach or in chronological order.

Financial Literacy .50 credit
The General Financial Literacy Core is designed for junior and senior students and represents those standards of learning that are essential to the development of basic financial literacy. Students will be enabled to implement those basic decision-making skills to become more aware as consumers, savers, investors, borrowers, money managers, citizens, and members of a global workforce.

Government and Law .50 credit
The goal of this course is to foster informed, responsible participation in public life. Knowing how to be a good citizen is essential to the preservation and improvement of United States democracy. Upon completion of this course the student will understand the major ideas, protections, privileges, structures, and economic systems that affect the life of a citizen in the United States political system. This course is recommended for seniors due to their proximity to voting and draft age.

Psychology
Most of society's challenging problems—including crime, poverty, prejudice, violence, and

environmental sustainability— are related to human attitudes, values, and behavior. Psychological science, in collaboration with other scientific fields, informs our understanding of these problems and their solutions. Considering that psychology has the potential to benefit society and improve people's lives, an introduction to psychological science merits inclusion in the high school curriculum. Students may apply knowledge gained from this psychology course to their daily lives.

TECHNOLOGY AND ENGINEERING

Engineering Technology
A foundational engineering design course that introduces basic problem-solving and documentation skills. Various aspects of engineering will be explored along with technology's environmental, societal, political, and economic impacts on our world. By utilizing problem-solving skills, students will develop essential abilities and attitudes that will in turn expand their occupational opportunities in the world of engineering.

Information & Communication Technology
An introductory course focused on digital technologies and what it means to be living in a digital world. Students will gain an understanding of how digital technologies impacts the environment, society, and the economy. Students will develop a foundation in essential abilities and attitudes that will in turn expand their opportunities in the world of information and communications.

Electronics 1
The first in a sequence of courses that prepares individuals to apply technical knowledge and skills to assemble and operate electrical/electronic equipment used in business, industry, and manufacturing. Instruction includes training in safety, electrical theory, parallel and series circuits, Kirchoff's Laws, schematic diagrams, electrical components, and soldering.

Electronics 2
The second in a sequence of courses that prepares individuals to apply technical knowledge and skills to assemble and operate electrical/electronic equipment used in business, industry, and manufacturing. Instruction includes training in safety, numbering systems, Boolean algebra, logic diagrams, digital devices, and combinational logic circuits.

Engineering Principals 1
A foundational engineering design course that introduces basic problem-solving and documentation skills. Various aspects of engineering will be explored along with technology's environmental, societal, political, and economic impacts on our world. By utilizing problem-solving skills, students will develop essential abilities and attitudes that will in turn expand their occupational opportunities in the world of engineering.

Engineering Principals 2
The second in a sequence of "hands on" courses that tie observations and concepts common to a variety of different engineering disciplines in order to develop a better understanding of basic math and science principles used in engineering. By utilizing problem-solving skills in a laboratory environment, students will develop skills and attitudes that impact and expand occupational opportunities in engineering. This is a foundation course in the Engineering pathway.

Woodworking
The first instructional course in a sequence that prepares individuals to apply technical knowledge and skills to lay out and shape stock, assemble projects, saw and sand projects, and the course stresses the safe use a variety of hand and power tools and machinery. Recommended projects would be anything that would allow students to incorporate all joints and tools e.g. a nightstand.

ELECTIVES

ACT Prep Concepts and Strategies (2,3 quarters)
A 2/3rd quarter class for juniors reviewing basic concepts (math, English, reading and science concepts) and ACT test-taking strategies. This course is recommended for the junior student who needs a good review of basic concepts, particularly math and English. This class counts as elective credit.

Spanish 1
Spanish 1 is intended to serve as an introduction of the Spanish language to beginners through cultural exploration, conversational vocabulary, and basic verb conjugation. We will examine contributions to Latin America of peoples of all the diverse Spanish-speaking countries. Vocabulary acquisition will focus on the basics in an effort to help students communicate descriptions, needs, and forming questions. Learners will also become familiar with sentence structure and verb conjugation in the present and future tenses. They will have practice in speaking, listening to, reading, and writing in the target language.

Spanish II
Spanish II will build on the basic skills acquired in the previous course studies. There will be additional practice in speaking through group and individual presentations. The students will be introduced to preterit and imperfect tenses of verb conjugation. They will also have further practices in reading of more complex texts and composing of more advanced writings. They will improve listening skills through conversations with native speakers. This also helps students understand differences in accent, slang, and vocabulary usage of people from different countries.

Spanish III (not taught 2018-2019)
Spanish III will have an intense listening component, as much of the instruction will take place in Spanish. We will incorporate new conjugations such as the subjunctive and command forms of speaking. They will have many opportunities to make and share presentations completely in Spanish. Also, we will look more at cultural differences between the different countries that have Spanish as their primary language and strengthen the connections they already have between the language and cultures.

Speech and Debate Course Description:
*$25 class fee for tournaments. This is a year-long course that explores concepts in public speaking, critical thinking, argument and debate. Students will study different styles of speeches, learn rhetorical strategies and practice the art of debate. The students will give several speeches to classmates, and have the opportunity to compete in one tournament per month, up to the Region and State competitions. Students will learn all of the major events including Impromptu, Extemp, Oration, SPaR, Congress, Public Forum, Lincoln-Douglas, and the Interps. Students will develop an awareness of local, state, national, and global events. They will study various philosophies and learn how to utilize these philosophical lenses as they engage in debate. For students who take Debate during their Senior year, this class fulfills their Senior English Credit.

Teaching 1 & 2 – 10^{th} -12^{th}
Students will learn the basics of what it takes to be a teacher in elementary, middle and high schools. Students will work with mentor teachers to develop a mini lesson plan and teach it.

Work Place Skills (11 -12)
A growing number of young people leave school without a knowledge or foundation required to find and hold a good job. This course emphasizes skills needed to successfully prepare young people for the work environment and shows relevance of academic classes to future career and educational goals. The course covers: the application process, legal and safety issues, ethics, goal setting, teamwork, conflict resolution, attitude, incorporating Utah Futures and the Pathways initiatives, etc. Workplace Skills is the classroom instruction component to a student's related Work-Based Learning experience, i.e. Student Internships.

Internship (11-12)
CTE Internships provide on the job training opportunities that are directly related to a career goal and course of study identified through the SEOP. Therefore, a student must have taken or currently be enrolled in a CTE class related to the internship opportunity. This Work-Based Learning experience is designed to bridge the gap between school and work. Appropriate supervision by a school/district coordinator must be maintained.