

2021-2022 CURRICULUM GUIDE

*“The path
of learning
widens into the
road of success.”*



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Dear Students and Parents,

This Curriculum Guide contains information and descriptions of proposed classes that may be made available to you for the upcoming school year. This information is to allow students and parents to familiarize themselves with and register for academic course offerings. Please keep in mind that courses listed in the guide are subject to change year to year, dependent on staff availability and class size.

Students, you are urged to discuss this information with your parents. In selecting classes, please give thought to your overall high school program, as well as to your educational, vocational, and career plans for the future.

You are encouraged to consult teachers, the counselor, the administration, or any staff member for assistance. Wise choices now will assist in productive decision-making later.

Sincerely,

Avolt Baumbach

Natalie Becker

Avolt Baumbach

Natalie Becker

New Rockford-Sheyenne School Principals

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GRADUATION REQUIREMENTS

Specifically, New Rockford-Sheyenne High School requires the following:

ENGLISH ----- 4 credits

- English I
- English II
- English III
- Full credit of Senior English
- English elective

MATH ----- 3 credits

- Algebra I
- Geometry
- Math elective (*Algebra II required for admittance to 4 year colleges. Students are encouraged to continue math classes into their senior year to be college/career ready.)

SCIENCE ----- 3 credits

- Physical Science
- Biology
- Science elective

SOCIAL STUDIES ----- 3 credits

- U.S. History
- POD (Problems of Democracy)
- Social Studies elective
(World History or Geography)

OTHER REQUIRED COURSES -----1.5 credits

- 1/2 credit of PE
- 1/2 credit of Health
- 1/2 credit of Independent Living (Grade 12)

ELECTIVES ----- 9.5 credits

- 3 of these electives must be Foreign Language, Fine Arts, or Career & Technology Courses

TOTAL ----- 24 credits**

**Graduation requirements are minimum standards. Students are encouraged to take additional classes/credits during their school career to prepare for college & career readiness.

STUDENT FOUR-YEAR PLAN

Listed below are the grade level requirements for students attending New Rockford-Sheyenne High School.
Grades 9-12 must pass each class, and earn required credits needed for graduation.

FRESHMEN

1 credit of English I
1 credit of Math
1 credit of Physical Science
1/2 credit of Family & Consumer Science
1/2 credit of Word Processing
1/2 credit of Business Fundamentals
1/2 credit of PE
2 credits of electives

JUNIORS

1 credit of English III
1 credit of U.S. History
1 credit of Math
4 credits of electives

SOPHOMORES

1 credit of English II
1 credit of Math
1 credit of Biology
1 credit of Social Studies
1/2 credit of Health
2 1/2 credit of electives

SENIORS

1 credit of English
1 credit of POD
1/2 credit of Independent Living
4 1/2 credits of electives

(Elective courses listed in the guide are subject to change due to staffing availability and class size.)

DUAL CREDIT COURSES

- In grades 11 & 12, students have the opportunity to take dual credit classes to earn both high school and college credit. There is a cost per credit and students must have an overall GPA of 3.0 or higher. Also, students will need specific scores on their ACT or Accuplacer test in the areas of College Algebra and College English:

ACT *English* = a minimum score of 18
 Math = a minimum score of 21

Accuplacer *English* = a minimum score of 256
 Math = a minimum score of 255

- NRSHS dual credit courses offered: Graded on 5.0 weighted grade scale
 - **Speech-Juniors & Seniors, 3.0 GPA required
 - **Advanced English – (Composition I & II) – Seniors
 - **College Algebra – Juniors & Seniors
 - **College Trigonometry – Juniors & Seniors
 - **Calculus – Seniors
 - **Electives
- Eligible Post-Secondary Institution
- Submission of Dual Credit grade/transcript: limited to 3 months after completion of the course

SCHOLARSHIP OPPORTUNITIES

ND Academic Scholarship Eligibility Requirements (NDCC 15.1-21-02.5)

1. North Dakota resident student
2. Graduate from a high school in North Dakota or from a high school in a bordering state according to provisions set forth in ND Century Code 15.1-29 or a nonpublic high school in a bordering state while residing with a custodial parent in this state (NDCC 15.1-21-02.6)
3. Complete the following course requirements:
 - a. 4 units of English language arts from a sequence that includes literature, composition, and speech
 - b. 3 units of mathematics, including 1 unit of algebra II and 1 unit of mathematics for which algebra II is a prerequisite
 - c. 3 units of science, including 1 unit of physical science, 1 unit of biology, and 1 unit or two ½ units of any other science
 - d. 3 units of social studies, including 1 unit of US history, 1 unit of problems of democracy or ½ unit of US government and ½ unit of economics, and 1 unit or two ½ units of any other social studies
 - e. 1 unit of physical education or ½ unit of physical education and ½ unit of health
 - f. 2 units of the same foreign language; the same Native American language; American Sign Language; **or** career and technical education from a coordinated plan of study recommended by the Department of Career and Technical Education and approved by the superintendent of public instruction
 - g. 1 unit selected from foreign languages; Native American languages; American Sign Language; fine arts; **or** career and technical education
 - h. Any 5 additional units
4. Fulfill any 1 unit requirement set forth above by means of an advanced placement course and examination **OR** fulfill any ½ unit requirement above by means of a dual credit course
- 5
 - a. Obtain a grade of at least “C” in each unit or ½ unit in all courses enrolled and obtain a cumulative grade point average of at least 3.0 on a 4.0 grading scale (non-weighted grading scale) for all courses enrolled; **OR**
 - b. Obtain a grade of “C” in each unit or ½ unit and obtain a cumulative grade point average of at least 3.0 on a 4.0 grading scale (non-weighted grading scale) based **ONLY** on the 22-units defined in sections 3 and 4 above
6. Receive a composite score of at least 24 on an ACT

ND Career and Technical Education Scholarship Eligibility Requirements (NDCC 15.1-21-02.4)

1. North Dakota resident student
2. Graduate from a high school in North Dakota or from a high school in a bordering state according to provisions set forth in ND Century Code 15.1-29 or a nonpublic high school in a bordering state while residing with a custodial parent in this state (NDCC 15.1-21-02.6)
3. Complete the following course requirements:
 - a. 4 units of English language arts from a sequence that includes literature, composition, and speech
 - b. 3 units of mathematics, including 1 unit of algebra II and 2 units of any other mathematics
 - c. 3 units of science, including 1 unit of physical science, 1 unit of biology, and 1 unit or two ½ units of any other science
 - d. 3 units of social studies, including 1 unit of US history, 1 unit of problems of democracy or ½ unit of US government and ½ unit of economics, and 1 unit or two ½ units of any other social studies
 - e. 1 unit of physical education or ½ unit of physical education and ½ unit of health

- f. 1 unit selected from foreign languages; Native American languages; American Sign Language; fine arts; **or** career and technical education
 - g. 2 units of a coordinated plan of study recommended by the Department of Career and Technical Education. The coordinated plans of study may be viewed at:
<http://www.nd.gov/cte/programs/career-dev/plans-of-study.html>
 - h. Any 5 additional units, 2 of which must be in the area of career and technical education
4. a. Obtain a grade of at least “C” in each unit or ½ unit in all courses enrolled and obtain a cumulative grade point average of at least 3.0 on a 4.0 grading scale (non-weighted grading scale) for all courses enrolled;**OR**
- b. Obtain a grade of “C” in each unit or ½ unit and obtain a cumulative grade point average of at least 3.0 on a 4.0 grading scale (non-weighted grading scale) based ONLY on the 22-units defined in section 3 above
5. Receive a composite score of at least 24 on an ACT or a score of at least “5” on each of 3 WorkKeys assessments to include Reading for Information, Locating Information, and Applied Mathematics

NATIONAL HONOR SOCIETY

Students in Grades 10-12 who have maintained a 3.5 GPA are eligible for membership in the National Honor Society.

NCAA DIVISION I AND II ELIGIBILITY (*National Collegiate Activities Association*)

All students planning to attend a Division I or Division II college or university need to make sure they will be eligible to practice, compete, and receive athletic scholarships as college students. Students can secure the most current information possible from the NCAA Eligibility Center on their eligibility standards at www.eligibilitycenter.org. NCAA requirements are subject to change. Students must plan early in their high school career (sophomore level) to adequately plan course work and set grade point average goals. It is the student’s responsibility to ensure they meet NCAA eligibility requirements.

NAIA ELIGIBILITY REQUIREMENTS (*National Association of Intercollegiate Athletics*)

National Association of Intercollegiate Athletics (NAIA), like NCAA, has eligibility requirements for student athletes. It is recommended that students visit the NAIA website (www.playnaia.org) to determine athletic eligibility.

To be eligible for NAIA participation, students must complete high school graduation, plus two out of the three following requirements:

1. Achieve a minimum of 18 on the ACT or 860 on the SAT.
2. Achieve an overall GPA of 2.0 on a 4.0 scale.
3. Graduate in the top half of your high school class

ENGLISH

ENGLISH I

05011 (Required)

Credit Value:

1 credit

Prerequisites:

None

For grades:

9 (required)

Description:

This course emphasizes all four components of English: reading, writing, speaking, and listening. Students will study various genres of literature, grammar, vocabulary enrichment, and the mechanics of narrative composition.

ENGLISH II

05072 (Required)

Credit Value:

1 Credit

Prerequisites:

English I

For Grades:

10 (Required)

Description:

This course offers a balanced focus on composition and literature. Students learn about writing for different audiences, the five paragraph essay format, and will be guided through MLA research paper process. Through the study of various genres of literature students will develop the skills to determine the author's intent and theme and to recognize the techniques used by the author to deliver his or her message.

ENGLISH III

05073 (Required)

Credit Value:

1 Credit

Prerequisites:

English II

For Grades:

11 (Required)

Description:

This course continues developing students' writing skills, emphasizing clear, logical writing patterns, word choice, and usage, as students write essays and a research paper. Students continue to read works of literature which often form the backbone of the writing assignments. Literary conventions will receive greater emphasis than in previous courses.

ENGLISH IV

05074 (Required)

Credit Value:

1 Credit

Prerequisites:

English III

For Grades:

12

Description:

This course blends composition and literature into a cohesive whole as students continue to develop their language arts skills and write multi-paragraph essays. Students will also write one or more major research papers in the MLA format.

ADVANCED ENGLISH (\$) 05077 (Elective to English IV)

Credit Value: 1 Credit: 5.0 Scale~ 6 College Credits

Prerequisites: English III, 3.0 GPA & 18 ACT English or 256 English Accuplacer

For Grades: 12

Description: **English 110** (Composition I) (1st Semester) prepares students to read, write, and think at a beginning college level. The course additionally readies students for additional college-level writing courses by offering them grammar review, word processing opportunities, exposure to various writing genres, and basic research skills.

English 120 (Composition II) (2nd Semester) is an English class that emphasizes written communication, advanced practice in college-level writing and in applying rhetorical strategies. In this course, the student applies the skills and principles learned in English 110, along with an introduction to expository writing, the development of research papers, argument, and literary criticism.

**(must meet requirements as set forth by the North Dakota University System)*

SPEECH (\$) 05091 (Elective)

Credit Value: 1/2 Credit: 5.0 Scale~ 3 College Credits

Prerequisites: English II, 3.0 GPA

For Grades: 11, 12

Description: In this course students will study and apply skills important to public speaking. This will include writing and presenting original speeches to inform, persuade, and to entertain. Other speaking assignments will allow students to interpret prose and poetry, impromptu speaking, demonstrations, and a variety of other speech purposes.

**(must meet requirements as set forth by the North Dakota University System)*

FICTION 05039 (Elective)

Credit Value: 1/2 Credit

Prerequisites: none

For Grades: 11, 12

Description: In this fiction course students will study short stories and novels, point of view, plot, character, setting, and theme.

CREATIVE WRITING 05042 (Elective)

Credit Value: 1/2 Credit

Prerequisites: none

For Grades: 11, 12

Description: Creative Writing offers students the opportunity to develop and improve their technique and individual style in poetry, short story, drama, essays, and other forms of prose. The emphasis of the course is on writing; however, students may study exemplary representations and authors to obtain a fuller appreciation of the form and craft. Although most creative writing classes cover several expressive forms, others concentrate exclusively on one particular form (such as poetry or playwriting).

MATH

ALGEBRA I

11031 (Required)

Credit Value: 1 Credit

Prerequisites: None

For Grades: 8, 9

Description: This is an introductory course for all upper level math courses. Algebra I includes the study of properties and operations of the real number system; evaluating rational algebraic expressions, solving and graphing linear equations and inequalities; translating word problems into equations; operations with and factoring of polynomials, and solving simple quadratic equations. This course also includes an introduction to statistics.

GEOMETRY

11120 (Required)

Credit Value: 1 Credit

Prerequisites: Algebra I

For Grades: 9, 10, 11

Description: This course emphasizes an abstract, formal approach to the study of geometry stressing thought processes rather than answers. Typically includes topics such as properties of plane and solid figures, deductive and inductive methods of reasoning, and use of logic; geometry as an axiomatic system including the study of postulates, theorems, and formal proofs; concepts of congruence, similarity, parallelism, perpendicularity and proportion, and rules of angle measurement in polygons. Also includes in-depth study of area and perimeter of geometric figures.

ALGEBRA II

11032 (Elective)

Credit Value: 1 Credit

Prerequisites: Algebra I

For Grades: 10, 11, 12

Description: This course includes operations with rational and irrational expressions; factoring of rational expressions; in-depth study of linear equations and inequalities; quadratic equations; solving systems of linear and quadratic equations as well as logarithmic and exponential equations; graphing of constant, linear, and quadratic equations; properties of higher degree equations; operations with rational and irrational exponents. This course also introduces topics in trigonometry, probability and statistics, matrices and determinants, and sequences and series.

COLLEGE ALGEBRA (\$) 11034 (Elective)

Credit Value: 1/2 Credit: 5.0 Scale ~ 3 College Credits (1st Semester)

Prerequisites: Algebra II & 21 on ACT Math or 255 Math Accuplacer

For Grades: 11, 12

Description: This course includes topics in the study of polynomial, logarithmic, exponential, rational, and inverse functions and their graphs; systems of equations, matrix algebra, sequences and series, equations and graphs of conic sections.

**(must meet requirements as set forth by the North Dakota University System)*

COLLEGE TRIGONOMETRY (\$) 11160 (Elective)

Credit Value: 1/2 Credit: 5.0 Scale ~ 3 College Credits (2nd Semester)
Pre-requisites: Geometry and Algebra II & 21 on ACT Math or 255 Math Accuplacer
For Grades: 11, 12
Description: Prepare students for eventual work in calculus and typically includes the following topics: trigonometric and circular functions; their inverses and graphs; relations among the parts of a triangle; trigonometric identities and equations; solutions of right and oblique triangles; and complex numbers. (Recommended for students pursuing a degree in an engineering/math field.)
**(must meet requirements as set forth by the North Dakota University System)*

CALCULUS (\$) 11061 (Elective)

Credit Value: 1 Credit: 5.0 Scale ~ 4 College Credits
Prerequisites: College Algebra & 21 on ACT Math or 255 Math Accuplacer
For Grades: 12
Description: This course includes the study of derivatives, differentiation, integration, the definite and indefinite integral, and applications of calculus. Typically, students have previously attained knowledge of pre-calculus topics (some combination of trigonometry, elementary functions, analytic geometry, and algebra.)
**(must meet requirements as set forth by the North Dakota University System)*

CONSUMER MATHEMATICS

11145 (Elective)

Credit Value: 1 Credit
For Grades: 11, 12
Description: This course reinforces general math topics and applies these skills to consumer problems and situations. Applications typically include budgeting, taxation, credit, banking services, insurance, buying and selling products and services, home and/or car ownership and rental, managing personal income, and investment.

SCIENCE

<u>PHYSICAL SCIENCE</u>	13030 (Required)
Credit Value:	1 Credit
Prerequisites:	None
For Grades:	9 (Required)
Description:	This course is a combination of two branches of science, Chemistry and Physics. Chemistry is the study of properties, composition, structure, and interactions of matter. Physics is the study of the relationship between matter and energy.
<u>BIOLOGY</u>	13020 (Required)
Credit Value:	1 Credit
Prerequisites:	Physical Science
For Grades:	10 (Required)
Description:	Biology is the study of living things: plants, animals and microorganisms. All organisms are made up of cells. This course is intended to provide an overview of structure and function of prokaryotic and eukaryotic cells. Genetic material, DNA, control cell processes and cellular functions. Students will learn and be able to demonstrate basic understanding of genetic principles with application to heredity and individual traits. Other areas discussed are: ecology, evolution and the 5-kingdom classification system with characteristics.
<u>CHEMISTRY</u>	13031 (Elective)
Credit Value:	1 Credit
Prerequisites:	Algebra I, Physical Science, & Biology
For Grades:	11, 12
Description:	Chemistry is the branch of science that considers the composition of matter and how this composition changes. The students will discover and examine basic concepts of chemistry. This course will examine the information that has been gathered by scientists about matter. The mastering of this knowledge will provide a basic chemistry background and scientific application to future studies. Hands-on laboratory projects are the primary means that chemists use to learn about matter. A strong performance in mathematics is essential for success in this course.
<u>PHYSICS</u>	13042 (Elective)
Credit Value:	1 Credit
Prerequisites:	Algebra II, completion of Biology and Physical Science
For Grades:	12
Description:	Physics involves the study of the forces and laws of nature affecting matter, such as equilibrium, motion, momentum, and the relationships between matter and energy. The study of physics includes examination of sound, light, and magnetic and electric phenomena. Strong performance in mathematics is essential for success in this course.

ECOLOGY 13110 (Elective)
Credit Value: 1 Credit
Prerequisites: Physical Science & Biology
For Grades: 11, 12
Description: Ecology provides students with a basic understanding of living things. Topics covered may include ecology and environmental problems such as overpopulation and pollution as well as cells, types of organisms, evolutionary behavior, and inheritance.

FORENSIC SCIENCE 13036 (Elective)
Credit Value: 1 Credit
Prerequisites: Physical Science & Biology
For Grades: 11, 12
Description: Students will learn the methodology needed to evaluate a crime scene, the proper lab mechanics needed to evaluate evidence, and how to compare between a known and unknown. Topics may include the history of forensic science, collecting of evidence, analyzing results and hands-on application of many laboratory techniques used in solving crimes. Emphasis would be placed on the application of the scientific method to life-long skills and problem solving.

GEOLOGY 13062 (Elective)
Credit Value: 1/2 Credit
Prerequisites: Physical Science & Biology
For Grades: 11, 12
Description: Geology provides an in-depth study of the forces that formed and continue to affect the earth's surface. Earthquakes, volcanoes, and erosion are examples of topics that are present.

ASTRONOMY 13061
Credit Value: 1/2 Credit
Prerequisites: none
For Grades: 11, 12
Description: Astronomy offers students the opportunity to study the solar system, stars, galaxies, and interstellar bodies. This course usually introduces and uses astronomic instruments and typically explores theories regarding the origin and evolution of the universe, space, and time.

HUMAN ANATOMY 13021 (Elective)
Credit Value: 1 Credit
Prerequisites: Physical Science & Biology (strong performance in Biology is recommended)
For Grades: 12
Description: 13061 Human Anatomy (Science) presents an in-depth study of the human body and biological system. Students study such topics as anatomical terminology, cells, and tissues and typically explore functional systems, such as skeletal, muscular, circulatory, respiratory, digestive, reproductive, and nervous systems

STEM Seminar 13300 (Elective)
Credit Value: 1/2 Credit
For Grades: 11,12
Description: The jobs of the future call for creative thinkers that can synthesize their academic skills and work as a team. In the STEM Seminar, students learn skills in Science, Technology, Engineering, and Mathematics to solve real world problems. This seminar class will focus on learning skills such as engineering, coding, construction, CAD design, and circuits. They also work collaboratively to invent new products and innovate improvements to existing designs. We will be focusing on the Engineering Design Process and the 4Cs - critical thinking, creativity, collaboration, and communication.

SOCIAL STUDIES

GEOGRAPHY 15070 (Elective)
Credit Value: 1 Credit
Prerequisites: None
For Grades: 9
Description: Geography provides students with an overview of world geography, but may vary widely in the topics they cover. Topics typically include the physical environment; the political landscape; the relationship between people and the land; economic production and development; and the movement of people, goods, and ideas.

WORLD HISTORY 15089 (Elective)
Credit Value: 1 Credit
Prerequisites: None
For Grades: 10
Description: Students will trace the development of different cultures throughout the ages and understand how American society has been influenced by world cultural development. Students will start with the beginning of history and work to the modern era. Also, geography's role in world history will be examined.

U.S. HISTORY 15085 (Required)
Credit Value: 1 Credit
Prerequisites: None
For Grades: 11 (Required)
Description: United States History class is designed to give the students factual information on the history of the United States. Several skills such as cognitive development, writing skills, and secondary resources are used in this class to help understand basic concepts in U.S. History.

PROBLEMS OF DEMOCRACY (POD) 15201 (Required)
Credit Value: 1 Credit
Prerequisites: None
For Grades: 12 (Required)
Description: POD is a course that describes the fundamental principles and structure our government was not only founded on, but is also currently based on. This involves the study of the

legislative and administrative process in local, state and federal government. The overview of administrative, legislative and judicial branches and the networking of these branches are discovered. Distribution of political power and how the system works is explored.

PSYCHOLOGY

15120 (Elective)

Credit Value:

1 Credit

Prerequisites:

None

For Grades:

11, 12

Description:

Psychology introduces students to the study of individual human behavior. Course content typically includes (but is not limited to) an overview of the field of psychology, topics in human growth and development, personality and behavior, and abnormal psychology.

SOCIOLOGY

15130

Credit Value:

1 Credit

Prerequisites:

None

For Grades:

11, 12

Description:

Sociology introduces students to the study of human behavior in society. This course provides an overview of sociology, generally including (but not limited to) topics such as social institutions and norms, socialization and social change, and the relationships among individuals and groups in society.

LAW & JUSTICE IN ND 15118 (Elective)

Credit Value:

1/2 Credit

Prerequisites:

None

For Grades:

11, 12

Description:

Law & Justice courses examine the workings of the U.S. criminal and civil justice systems, including providing an understanding of civil and criminal law and the legal process, the structure and procedures of courts, and the role of various legal or judicial agencies. Although this course emphasizes the legal process, it may also cover the history and foundation of U.S. law (the Constitution, statutes, and precedents). Course content may also include contemporary problems in the criminal justice system.

ECONOMICS

15060 (Elective)

Credit Value

1 Credit

Prerequisites:

None

For Grades:

12

Description:

Economics is the study of economic principles and their application. This may include types of business ownership, theory of the free enterprise system, general economic principles, role of the government, cooperative marketing, economic terms and definitions, world conditions and how they affect the American Free Enterprise Systems.

PHYSICAL EDUCATION & HEALTH

HEALTH 18010 (Required)
Credit Value: 1/2 Credit
Prerequisites: None
For Grades: 10 (Required)
Description: Health is a general health course that may include the following units of study: making healthy choices, mental health, social health, nutrition, and physical fitness, a review of preventive substance abuse, 1st aid and CPR.

PHYSICAL EDUCATION 080309 (Required)
Credit Value: 1/2 Credit
Prerequisites: None
For Grades: 9 (Required) ~ General Physical Education
Description: This Physical Education course consists of individual and team sports. Emphasis will be placed on physical fitness, skill building, rules & strategy, and knowledge of physical activities for opportunities to develop personal wellness. An introduction to physical fitness will also be a part of this course.

WEIGHT TRAINING 08040 (Elective)
Credit Value: 1/2 credit
Prerequisites: None
For Grades: 11, 12
Description: This is a semester course where the student will be taught the proper technique of doing various lifting exercises. Students will learn different lifting routines and why it is important to follow a program in order to receive the proper benefit of lifting. Students will also be introduced to plyometrics and why they are an important addition to any weight training program. This course will also include a lifetime fitness component.

LIFETIME FITNESS EDUCATION 08043 (Elective)
Credit Value: 1/2 Credit
Prerequisites: PE 9
For Grades: 10, 11, 12
Description: Lifetime Fitness Education emphasizes acquiring knowledge and skills regarding lifetime physical fitness; content may include related topics such as nutrition, stress management, and consumer issues. Students may develop and implement a personal fitness plan.

FITNESS/CONDITIONING

ACTIVITIES 080044 (Elective)
Credit Value: 1/2 Credit
Prerequisites: PE 9
For Grades: 10, 11, 12

Description: Fitness/Conditioning Activities emphasizes conditioning activities that help develop muscular strength, flexibility, and cardiovascular fitness.

INDIVIDUAL & DUAL SPORTS 08036 (Elective)

Credit Value: 1/2 Credit

Prerequisites: PE 9

For Grades: 10, 11, 12

Description: Individual/Dual Sports provides students with knowledge, experience, and an opportunity to develop skills in more than one individual or dual sport (such as tennis, golf, badminton, jogging/running, racquetball, and so on).

SPORTS PHYSIOLOGY 08051 (Elective)

Credit Value: 1/2 Credit

Prerequisites: PE 9 & Health

For Grades: 10, 11, 12

Description: Sports Physiology examines human anatomy and physiology as they pertain to human movement and physical performance in sports activities. This course may also emphasize the prevention and treatment of athletic injuries.

BUSINESS AND OFFICE TECHNOLOGY

WORD PROCESSING 14096 (Required)

Credit Value: 1/2 Credit

Prerequisites: Keyboarding

For Grades: 9

Description: Students in Word Processing will use word processing software to create and edit documents such as business letters, envelopes, labels, flyers, reports and newsletters. Improved productivity will be developed by using timesaving shortcuts including templates, merging, tables, and key commands. Students will continue to practice formatting, editing, composition and proofreading.

BUSINESS FUNDAMENTALS 14230 (Required)

Credit Value: 1/2 Credit

Prerequisites: None

For Grades: 9

Description: Students in Business Fundamentals will be introduced to the world of business and prepare for the economic roles of consumer, worker, and citizen. The content may include a study of the business environment and strategies for creating, financing, marketing and managing a business. This course will also serve as a background for other business courses you may take in high school and college.

MULTIMEDIA 14099 (Elective)
Credit Value: 1/2 Credit
Prerequisites: Keyboarding and Business Fundamentals
For Grades: 10, 11, 12,
Description: Students in Multimedia will use digital images and videos to create meaningful documentation, production, and presentations. Images, logos, backgrounds, and navigation tools for digital display will be used in multimedia and Internet applications. The topics of image-editing, animation, file compression, digital audio/video editing, and planning for multimedia applications will also be discussed. Enhancements include proper format and appropriate use of graphics, animations, and transitions.

ENTREPRENEURSHIP 14111 (Elective)
Credit Value: 1/2 Credit
Prerequisites: Keyboarding and Business Fundamentals
For Grades: 10, 11, 12
Description: Students in Entrepreneurship will develop skills needed to effectively organize, develop, create, and manage their own business. Topics covered include entrepreneurial concepts, characteristics of business organizations, business opportunities, entrepreneurial career examples, individual career assessment and planning, and entrepreneurial projects and simulations.

ACCOUNTING I 14010 (Elective)
Credit Value: 1/2 Credit
Prerequisites: Keyboarding and Business Fundamentals
For Grades: 11, 12
Description: Students in Accounting I will learn the fundamentals of Accounting principles that include: terminology, accounting cycle, basic concepts, financial statements, roles of accountants and ethics in accounting. Simulation packets are often integrated in the course.

FINANCIAL LITERACY 14095 (Required)
Credit Value: 1/2 Credit
Prerequisites: Keyboarding and Business Fundamentals
For Grades: 10, 11, 12
Description: Students in Financial Literacy will study the impact of financial choices on personal and occupational goals and future earnings potential. Real world topics include checking accounts, budgeting, saving for large purchases, using credit cards, figuring interest and fees, being a responsible consumer, earning power, learning about taxes and paycheck withholding, college costs, mortgages, retirement savings, and investments. This course will provide a foundational understanding for making informed personal financial decisions.

BUSINESS TECHNOLOGY

AND PROCEDURES 14079 (Elective)

Credit Value: 1/2 Credit

Prerequisites: Keyboarding and Business Fundamentals

For Grades: 10, 11, 12

Description: Students in Business Technology and Procedures will analyze productivity throughout the workforce, which imposes on all workers the need for effective and efficient information management, problem solving, and communication tasking. This class provides practical office simulations including information processing systems, job search skills, preparation of business presentations, and other technology procedures.

DESKTOP PUBLISHING 14098 (Elective)

Credit Value: 1/2 Credit

Prerequisites: Keyboarding and Business Fundamentals

For Grades: 11, 12

Description: Students in Desktop Publishing will use desktop publishing software to create publications such as newsletters, banners, catalogs, brochures, letterheads, business cards, and programs. They will learn design techniques using multimedia integration, formatting skills, page layout, and templates. Students will explain the purposes, functions, and common features of desktop publishing software.

WEB DESIGN 14022 (Elective)

Credit Value: 1/2 Credit

Prerequisites: Keyboarding and Business Fundamentals

For Grades: 11, 12

Description: Students in Web Design will be introduced to a variety of ways to create and maintain web pages. Course topics will focus on overall production processes with an emphasis on design elements involving layout, navigation, and interactivity. Understanding of proper ethics, copyright laws, social networking, and cyber security topics will be integrated. The basic language of web design and software will be taught along with the additional media inputs within a website (e.g. video, animation, sound, scrolling marquees, forms, contacts, and other additional components).

FAMILY AND CONSUMER SCIENCE

FAMILY & CONSUMER

SCIENCE I (FACS) 09022

Credit Value: 1/2 Credit

Prerequisites: None

For Grades: 9 (Living Skills)

Description: To introduce students to basic concepts in all areas of Family and Consumer Sciences. This course may include: availability of personal resources**; organization of resources to provide for needs; making consumer decisions; creation of personal living environment; developing satisfying interpersonal relationships; understanding and caring for children; meeting personal nutritional needs; managing food resources; maintaining good health; clothing and textile selection, care, and construction; contributing to satisfying and family life; career orientation and occupational information; work readiness skills; leadership development.

INDEPENDENT

LIVING 09025 (Required)

Credit Value: 1/2 Credit

Prerequisites: FACS I & II

For Grades: 12

Description: To prepare students for responsibilities involved in becoming self-sufficient young adults preparing for life away from the parental home during or immediately following high school. Course content may include: living independently; supporting oneself; making financial decisions**; making choices about housing, nutrition and food, clothing, transportation, health and wellness; using time to achieve personal goals; finding balance in life; current issues that affect personal decisions; societal and environmental impacts of personal decisions; sources of support and assistance in the community; leadership development.

CULTURES &

CUISINE 09136 (Elective)

Credit Value: 1/2 Credit

Prerequisites: None

For Grades: 11, 12

Description: This course will explore cultures in various parts of the world in relation to ethnic foods, food supply, preparation methods and traditions. Current, historical and futurist issues related to food patterns and the global society will be an integral component of the course which may include such topics as famine, contamination, religious rites and practices, celebrations and cultural cuisine. Labs will combine the familiar with the exotic to create foods of the world.

CHILD**DEVELOPMENT**

09026 (Elective)

Credit Value: 1/2 Credit

Prerequisites: None

For Grades: 11, 12

Description: To increase students' knowledge of how children grow and develop, and to foster acquisition of skills that promote healthy development of the individual. Content may include: processes in individual development; cultural and ethnic differences and similarities in child care; how children learn; age-appropriate activities for children; family development and preparation for parenthood; prenatal development; changing relationships within the family; current issues relating to children and families; sources of support and assistance; related careers; leadership development.

PARENTING:

09130 (Elective)

Credit Value: 1/2 Credit

Prerequisites: None

For Grades: 11, 12

Description: To explore the parenting roles that most adults will assume at some time during their lives. Content may include: assessing readiness for parenthood; role clarification (mothers, fathers, and others); the finances of parenting; providing an environment for optimum child growth and development; family communication; stress and crisis in the family; special parenting situations (finding and assessing child care, the handicapped child, foster parenting, blended families, single-parent families, parenting as grandparents); current issues impacting on parents, children, and society; sources of support and assistance for parents and families; related careers; leadership development.

NUTRITION & FOODS**PREP I**

09131 (Elective)

Credit Value: 1/2 Credit

Prerequisites: None

For Grades: 11, 12

Description: This introductory course will prepare students to make critical decisions about food that will contribute to their health and well-being of themselves, their families and their communities. The course may include basic food selection and storage, accurate and appropriate measuring, basic cooking terms and techniques, and working safely in the kitchen. Students will learn how to read food labels and how to apply them to their eating habits and their dietary needs. Lab experiences will focus on preparing and tasting a variety of foods.

NUTRITION & FOODS

PREP II

09135 (Elective)

Credit Value: 1/2 Credit

Prerequisites: None

For Grades: 11, 12

Description: This course will examine the nutritional needs of the individual, emphasizing the relationship of diet to health. Enhanced cooking terms and techniques, kitchen and meal management, time and resource management and food preparation techniques will be explored. This course may include food trends and lifestyle options such as organic foods, vegetarian diets, and convenience foods, eating out, lactose and gluten intolerance and nutrition supplements. Lab experiences will align with and enhance the course content using a variety of foods and preparation methods.

CLOTHING &

TEXTILES

09212 (Elective)

Credit Value: 1/2 Credit

Prerequisites: None

For Grades: 11, 12

Description: This course introduces students to basic consumer skills regarding fabric, design, construction, and maintenance techniques. Instruction may include cost analysis, wardrobe planning, basic sewing and fiber terminology, equipment for hand and/or machine sewing, reading and using a pattern, and care and maintenance of fabrics and garments.

HOUSING & LIVING

ENVIRONMENT

09133 (Elective)

Credit Value: 1/2 Credit

Prerequisites: None

For Grades: 11, 12

Description: To explore the impacts housing has on families and the variety of ways in which individuals and families meet their needs for shelter. Content may include: the meaning of home; determining personal housing needs; selecting housing to meet needs; legal and financial aspects of housing; housing for individuals with special needs; the home as work site; personal expression through home decoration; household equipment selection, care, and use; maintaining safe environment; home repairs and improvements; energy and resource consumption and conservation; technology for home and family life; societal and environmental impacts of decisions; sources of support and assistance for individuals and families; current issues related to family housing; related careers; leadership development.

FINE AND PERFORMING ARTS

VOCAL MUSIC

(CHOIR)

12040 (Elective)

Credit Value: 1 Credit

Prerequisites: None

For Grades: 9, 10, 11, 12

Description: Vocal Music (chorus) provides the opportunity to sing a variety of choral literature styles for men's and/or women's voices and are designed to develop vocal techniques and the ability to sing parts

INSTRUMENTAL

MUSIC (BAND)

12051 (Elective)

Credit Value: 1 Credit

Prerequisites: Previous training on a band instrument

For Grades: 9, 10, 11, 12

Description: Instrumental Music (Band) develops students' technique for playing brass, woodwind, and percussion instruments and cover a variety of nonspecified band literature styles (concert, marching, orchestral, and modern styles).

MUSIC HISTORY

AND APPRECIATION

12020 (Elective)

Credit Value: 1/2 Credit

Prerequisites: None

For Grades: 10, 11, 12

Description: Music History and Appreciation surveys different musical styles and periods with the intent of increasing students' enjoyment of musical styles and/or developing their artistic or technical judgment. Music History and Appreciation may also focus on developing an understanding of a particular style or period.

MUSIC THEORY

12030 (Elective)

Credit Value: 1/2 Credit

Prerequisites: Basic understanding of written music

For Grades: 10, 11, 12

Description: Music Theory provides students with an understanding of the fundamentals of music and includes one or more of the following topics: composition, arrangement, analysis, aural development, and sight reading.

Guitar

12245 (Elective)

Credit Value: 1/2 Credit

For Grades: 10,11,12

Description: Guitar 1 is an introductory elective course designed to study basic, beginning guitar and guitar styles. Class guitars are provided. All students will be introduced to a core curriculum of basic techniques that includes correct instrument posture, reading music notation and chord symbols, and learning some standard strumming styles.

TECHNOLOGY & ENGINEERING EDUCATION

INNVENTIONS &

INNOVATIONS

10510

Credit Value: 1/2 Credit

Prerequisites: None

For Grades: 9, 10

Description: Invention and Innovation prepares students with opportunities to apply the design process in the invention or innovation of a new product, process, or system. Students learn about the core concepts of technology and about the various approaches to solving problems, including engineering design and experimentation. Students apply their creativity in the invention and innovation of new products, processes, or systems. Students participate in engineering-design activities where they learn about brainstorming, visualizing, modeling, construction, testing, experimenting, and refining designs. Students also develop skills in researching for information, communicating design information, and reporting results. A state recommended course guide is available.

DESIGN/DRAFTING

10259

Credit Value: 1/2 Credit

Prerequisites: None

For Grades: 10, 11, 12

Description: An evolving study of modern drafting within the framework of communication technology. The course provides an experience in design and drafting as it applies in an industrial environment.

FOUNDATIONS OF

TECHNOLOGY

10094

Credit Value: 1 Credit

Prerequisites: None

For Grades: 9-10

Description: Foundations of Technology increases student's capability by using their unique skills to innovate, improvise, and invent. Students develop an understanding of engineering design, transforming ideas into products or systems.

TECHNOLOGICAL**DESIGN**

10410

Credit Value: 1 Credit

Prerequisites: None

For Grades: 10, 11, 12

Description: In Technological Design, engineering scope, content, and professional practices are presented through practical applications. Students in engineering teams apply technology, science, and mathematics concepts and skills to solve engineering design problems and innovate designs. Students research, develop, test, and analyze engineering designs using criteria such as design effectiveness, public safety, human factors, and ethics. This course is an essential experience for students who are interested in technology, innovation, design, and engineering. A state recommended course guide is available.

ENGINEERING**DESIGN**

10415

Credit Value: 1 Credit

Prerequisites: None

For Grades: 12

Description: The Engineering Design course is to study the technology involved in the construction of residential and industrial structures. Study will include designing, planning, and constructing structures using various materials and methods.

TECHNOLOGICAL**SYSTEMS**

10515

Credit Value: 1 Credit

Prerequisites: None

For Grades: 11, 12

Description: In Technological Systems you will be introduced to SoftPlan, and architectural drafting software. This course is focused on the principles, concepts, and use of complex graphic tools utilized in the field of architecture, structural systems, and construction trades. Emphasis is placed on the application of CAD tools in the creation of floor plans, foundation plans, basic roof plans, basic roof design, section and details, and elevation drawings. Mathematics, science, and visual design concepts are reinforced. Work-based learning strategies appropriate for this course are apprenticeship and cooperative education.

NDCDE

North Dakota Center for Distance Education (NDCDE)

- Classes vary from year to year and from each individual students
- Online classes exclusively
- website: NDCDE.org

Personalized Learning Academy for Grades 7-12

Changing the way students learn and teachers teach

We believe our students deserve a voice and choice in their learning and are now providing an option for students in our Personalized Learning Academy. Personalized learning refers to instruction in which the pace of learning, the instructional approach, the learning preferences, and the styles of different learners are all tailored to meet the needs of each learner. The instruction is aligned to rigorous academic standards and social-emotional skills students need to be ready for college, career, and life.

- Edgenuity will be used as the online learning platform. Teachers will build checkpoints and embed them into each students' learning paths. Once a checkpoint is reached, students will choose from a list of engaging activities/projects to complete or participate in, assisting in mastery of content.
- Students work in a comfortable room offering lounge seating, collaboration areas, and quiet singular study areas for preferential experiences. They will then be able to "own" their learning. Self-motivated learners can accelerate their learning if they choose, while others can take additional time as needed. However, there will be a suggested pace set by the Core Course teachers, ensuring students stay on pace, and guidance and instruction will be provided as needed. A core course teacher will be in the PLA at all times, as they are the expert in their field offering guidance and direction. A positive growth mindset is crucial, as students must strive to meet weekly goals.
- Students who want more independence and choice in their learning are a great fit for the Personalized Learning Academy. They need to be self-motivated and take responsibility for their learning, and will have room to grow at their own pace. Goal setting and reflecting, collaboration with peers and teachers, and mastery of content will all play a large role in the academy. This flexible and relationship-based approach to learning will prepare students with the knowledge and skills to succeed now and in a future that we can only imagine.

7/8 GRADE COURSES

SEVENTH GRADE

1 year of English
1 year of Math
1 year of Social Studies
1 year of Science
1/2 year of Keyboarding
1/2 year of PE
1/2 year of Family & Consumer Science
Band or Choir or both
Study Hall / Study Skills
1/2 year of Tech and Eng.

EIGHTH GRADE

1 year of English
1 year of Math (PreAlgebra or Algebra*)
1 year of Social Studies
1 year of Science
1/2 year of Tech and Eng.
1/2 year of PE
1/2 year of Health
Band or Choir or both
Study Hall / Study Skills
(*indicates specific criteria to enroll)

Seventh and eighth grade students do not receive credits. However, they must pass their classes in order to move on to the next level of coursework.

Students entering the 8th grade may register for Algebra and receive a credit toward their high school math requirement ONLY if they meet the following criteria:

***Must earn an 80% or higher** in the Algebra class to receive a credit toward their high school math requirements. **If an 80% is not attained**, the course must be repeated in the student's 9th grade year. Understanding the concepts in Algebra I is crucial for success in higher level math courses.

***Instructor approval is needed** for students to register for Algebra as an 8th grader. Decisions will be based on classroom performance and standardized test scores.

(The above semester classes are subject to change due to staffing availability and class size.)

7/8 GRADE COURSES

ENGLISH 7 (05005)

Language Arts (grade 7 only) builds upon students' prior knowledge of grammar, vocabulary, word usage, and the mechanics of writing, and include the four aspects of language use: reading, writing, speaking, and listening. Beyond emphasizing different uses for language, these courses may also include using language (particularly written text) to construct meaning and connections. Specific content depends upon state standards for grade 7.

ENGLISH 8 (05006)

Language Arts (grade 8 only) builds upon students' prior knowledge of grammar, vocabulary, word usage, and the mechanics of writing, and include the four aspects of language use: reading, writing, speaking, and listening. Typically, these courses use various genres of literature to improve reading skills, and they link writing exercises for different purposes to those reading selections. Specific content depends upon state standards for grade 8.

MATH 7 ((11004)

Mathematics (grade 7 only) emphasizes proficiency in skills involving numbers and operations; measurement; patterns; functions; algebraic formulas; geometry; and concepts of data analysis, including statistics and probability. Specific content depends upon state standards for grade 7.

PRE-ALGEBRA (Grade 8) (11008)

Pre-algebra increases students' foundational math skills and prepare them for Algebra I by covering a variety of topics, such as properties of rational numbers (i.e., number theory), ratio, proportion, estimation, exponents and radicals, the rectangular coordinate system, sets and logic, formulas, and solving first-degree equations, and inequalities.

ALGEBRA * (11031) (Grade 8 Only) (1 Credit)

Algebra I includes the study of properties and operations of the real number system; evaluating rational algebraic expressions; solving and graphing first degree equations and inequalities; translating word problems into equations; operations with and factoring of polynomials; and solving simple quadratic equations.

**Specific criteria must be met in order to receive credit toward the mathematics requirements in grades 9-12.*

LIFE SCIENCE (13006) Grade 7

Life Science covers the basic principles of life and life processes. These topics may include cells, species, ecosystems, reproduction, genetics, or other topics consistent with state academic standards for life science.

EARTH SCIENCE (13008) Grade 8

This course is designed to provide an introduction to our non-living planet and its place in the universe. Subjects ranging from volcanoes to earthquakes to the history of life on earth will be studied. The studies will include observations, demonstrations, and lab experiments to help students better understand the subject.

SOCIAL STUDIES 7 (15005)

Social Studies (grade 7 only) provide continued development of understanding and skills in the social studies disciplines: history, geography, civics and government, and economics. Specific content depends upon state standards for grade 7.

SOCIAL STUDIES 8 (15006) (**Also includes ND STUDIES**)

Social Studies (grade 8 only) provide continued development of understanding and skills in the social studies disciplines: history, geography, civics and government, and economics. Typically, this course focuses on single disciplines at a time (e.g., state-specific history and government, U.S. history, world history, or civics) to develop discipline-related skills. Specific content depends upon state standards for grade 8.

North Dakota Studies examines the history, politics, economics, society, and/or cultures of the state in the United States. This course may focus primarily on the history of the state or may take an interdisciplinary approach to the contemporary issues affecting it.

KEYBOARDING (03005) Grade 7 or 8

Students will develop basic skill in operating the keyboard (letters, numbers, and symbols), basic machine operation, and proper keystroke technique. As students progress, they improve their speed and accuracy and produce increasingly complex documents in order to help students develop keyboard proficiency, document production skills, and problem-solving skills.

EXPLORING TECHNOLOGY (10105) Grade 8

Exploring Technology prepares students with an understanding of what is technology, the universal systems model, and opportunities to apply the engineering design process in problem solving. Students have opportunities to study the scope of technology and its impacts on society. They learn about the core concepts of technology and about the various approaches to solving problems, including engineering design and experimentation. Students are involved in activities and experiences where they learn about brainstorming, visualizing, modeling, constructing, testing, experimenting, and refining designs. Students also develop skills in researching for information and communicating design information. A state recommended course guide is available

Inventions and Innovations (10008) Grade 7

Foundations of Technology increases student's capability by using their unique skills to innovate, improvise, and invent. Students develop an understanding of engineering design, transforming ideas into products or systems.

FAMILY & CONSUMER SCIENCES (09006) Grade 7

The study of introductory concepts in family and consumer science and orientation related careers. Students learn to be independent and become aware of the skills that are needed for living independently. By studying domestic chores and other life skills that the students will use the rest of their lives.

STUDY SKILLS (20006) Grades 7/8

This course is designed to address the challenges that students experience in a middle level/junior high school so they can succeed in the classroom as well as obtain skills needed to be successful in high school. Course topics may include communication skills; personal assessment and awareness activities; test-taking/study skills; time management; choices and consequences; technology, business, and financial literacy. Additional topics can also include exercises designed to generate organized, logical thinking, and writing skills to help with oral and written presentations.

PHYSICAL EDUCATION (08008 – Grade 7) (08009 – Grade 8)

Physical Education typically involves the acquisition of knowledge and skills that provide the foundation for sport, a physically active lifestyle, and social development through physical activity. Activities typically include those that increase strength, endurance, and flexibility; reinforce safe technique; teach the rules and conventions of games and sports; and explore the relationship between physical activity and health. Health topics (such as the effects of drugs and alcohol, sexual education, and healthy lifestyles) may also be included.

Health (18005 Grade 8 & 7)

Health is a general health course that may include the following units of study: making healthy choices, mental health, social health, nutrition, and physical fitness, a review of preventive substance abuse, 1st aid and CPR.

BAND (INSTRUMENTAL MUSIC – 12006) Grades 7/8

The study of music to develop the skills and knowledge necessary for performing with a musical instrument in a group and/or individual setting.

CHOIR (VOCAL MUSIC – 12007) Grades 7/8

Vocal Music provides the opportunity to sing a variety of choral literature styles for men's and/or women's voices and are designed to develop vocal techniques and the ability to sing parts.