

INTRODUCTION

Registration for next year's courses is a very important task. It's important to your future to have an idea of what your goals are and how your choice of high school courses will help you meet those goals. It is important for students to have the opportunity to experience as many sound electives as possible while emphasizing the basic required classes. The curriculum at CHS is designed to reflect this idea.

Some guidelines to follow:

1. Choose classes based on what's best for your future.
2. Take into consideration what your career choice may be, as well as what college requirements are for any program you may be interested in.
3. Visit with the guidance counselor or high school principal if you have questions.
4. Go over the registration sheet and the course descriptions with your parents.

It is important that the parents take a serious look at the courses that have been selected by their child. It is the responsibility of the child, parents, and school to see that the student has made a proper selection. With the help of parents, the school can provide all students with a better schedule.

HOW TO USE COURSE DESCRIPTION BOOKLET & REQUEST SHEETS

Each student is asked to review the requirements listed in the course description booklet. The student, along with his or her parents, should use the course descriptions to guide them in their selection of courses. The number of the courses selected should be circled. All courses that are listed for 18 weeks carry 1/2 credit, unless the course meets for more than a one-period block (except Co-op Health Fields, which meets for two periods, but is only a half credit per semester). Courses that run the entire year carry 1 credit.

Prior to the completion of their request forms, students will receive guidance on their course selections from their I/E teachers, the guidance counselor and the high school principal.

The request sheet is just a survey as to which classes hold the greatest appeal to students and parents. From the request forms, the master schedule will be constructed. With the completion of the master schedule, all students will be registered for next year's classes.

REGISTRATION INSTRUCTIONS

Note: Some classes may appear in the registration handbook, but not on the registration sheet. These are classes that are offered on a rotational basis.

<i>Instructions to JUNIORS:</i>	<i>Instructions for SOPHOMORES:</i>
<ol style="list-style-type: none"> 1. You must register for Govt. and Econ. 2. You must register for a total of 1 credit English, unless you completed 1 ½ credits this year by taking English 11 and Speech. 3. You must register a minimum of 6 classes per semester. 4. KNOW YOUR GRADUATION REQUIREMENTS! 	<ol style="list-style-type: none"> 1. You must register for English 11. 2. You must register for U.S. History. 3. You must register for a minimum of 6 classes per semester. 4. If you have not taken three math credits, you must register for a math class. 5. You must register for 1 credit of Science. (You need 3 credits of Science to graduate.) 6. KNOW YOUR GRADUATION REQUIREMENTS!
<i>Instructions to FRESHMEN:</i>	<i>Instructions to 8th GRADERS:</i>
<ol style="list-style-type: none"> 1. You must register for English 10. 2. You must register for 1 credit of Social Studies (choices include World History, Geography, Psychology, ND History) 3. You must register for Biology. (Basic Biology/Basic Physical Science if you were recommended for that class) 4. If you have not taken two math credits, you must register for a math class. 5. You must register for a minimum of 6 classes per semester. 6. KNOW YOUR GRADUATION REQUIREMENTS! 	<ol style="list-style-type: none"> 1. You must register for English 9. (Basic English if you were recommended and approved for that class.) 2. You must register for Physical Science. (Basic Biology/Basic Physical Science if you were recommended and approved for that class.) 3. You must register for a math class – Geometry, Informal Geometry, Algebra I, Pre-Algebra, or Basic Math. (Exceptions approved only by the principal.) 4. You must register for a minimum of 6 classes per semester. 5. KNOW YOUR GRADUATION REQUIREMENTS!

* Driver's Ed will be offered in the summer. You can indicate on your form if you intend to take it, but do not count it on your total credits.

ND UNIVERSITY SYSTEM REQUIREMENTS

- The Four-Year University Requirements for ND are:
 - English: 4 units
 - Math: 3 units (Algebra 1 and above)
 - Laboratory Sciences: 3 units (including at least two in biology, chemistry, physics or physical science)
 - Social Studies: 3 units (not including consumer education, cooperative marketing, orientation to social science or marriage/family)
 - Although not required, the ND University System recommends that you also take advanced algebra and at least two foreign language courses.
 - ND University System requires a minimum ACT score of 18 to enroll in Honors English and a minimum ACT score of 21 for two-year schools and 22 for four-year schools to enroll in College Algebra.
 - Information obtained from ND University System (<http://www.ndus.edu/>)

CHS GRADUATION REQUIREMENTS

- Every student must complete the following units of course work to graduate:
 - English: 4 units
 - Math: 3 units (pre-Algebra or higher)
 - Science: 3 units (1 unit of Physical Science, 1 unit of Biology, and 1 unit or 2 one-half units of any other sciences)
 - Social Studies: 3 units (1 unit of U.S. History, ½ unit of U.S. Government, ½ unit of economics, and 1 unit or 2 one-half units of any other social studies)
 - Physical Education: 1 unit of Phy. Ed. or ½ unit of Phy. Ed. and ½ unit of health (offered through the P.E. department)
 - Need 3 units of foreign languages, Native American languages, fine arts, or career and technical education courses
 - Need 5 units of additional courses
 - These requirements align with Section 15.1-21-02.1 of the North Dakota Century Code
- You need 22 credits to graduate.

<u>ENGLISH</u>	4 credits
English 9	1 credit
English 10	1 credit
English 11	1 credit
Honors English	1/2 credit
Adv. Composition	1/2 credit
English 12	1/2 credit
Speech	1/2 credit
Applied Communication	1/2 credit

<u>SCIENCE</u>	3 credits
Physical Science	1 credit
Biology	1 credit
Elective Science	1 credit

<u>SOCIAL STUDIES</u>	3 credits
United States History	1 credit
American Government	1/2 credit
Economics	1/2 credit
Elective Social Studies	1 credit

<u>MATH</u>	3 credits
Pre-Algebra	1 credit
Algebra I	1 credit
Informal Geometry	1 credit
Geometry	1 credit
Algebra II	1 credit
Applied Math	1 credit
Trigonometry	1/2 credit
College Algebra	1/2 credit
College Pre Calc	1/2 credit
Elementary Statistics	1/2 credit

<u>PHYSICAL ED</u>	1 credit
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ELECTIVES **8 credits** (Availability of classes will be determined by teacher availability and student interest.)

The following courses may be taken by assignment only. Curriculum descriptions available from the principal's office.

Basic English	1 credit
Basic Physical Science	1 credit
Basic Biology	1 credit
Basic Math	1 credit
Enrichment Algebra I	1 credit
General Math	1 credit

DUAL CREDIT COURSES

- In grades 11 and 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, as well as a GPA of 3.0 or higher in the area of the class to be taken. For example, if a student takes Honors English, they must have a GPA of 3.0 or higher in their high school English classes.
- Students will need to meet minimum required ACT cut scores for College Algebra, College Pre Calculus, Elementary Statistics, Honors English, and Advanced Composition (21 on math ACT subtest and 18 on English ACT subtest). Students who have not taken the ACT will need a math ASPIRE score of 431 or higher to take College Algebra for dual credit.
- When students graduate from high school, they will need to send a copy of their dual credit transcripts to the college they plan on attending. The college credit is issued through Lake Region State College in Devils Lake or NDSCS in Wahpeton and will transfer to other ND public colleges and universities. If planning to attend a private or out-of-state college, be sure to find out if they will accept credits from Lake Region or NDSCS. If you have questions about dual credit courses, please talk to the high school counselor.
- CHS dual credit courses offered:
 - Sociology – offered in the summer
 - Speech – Juniors and Seniors
 - Honors English – Seniors
 - Advanced Composition – Seniors
 - Elementary Statistics - Seniors
 - College Algebra – Juniors and Seniors
 - College Pre Calculus - Seniors

ND ACADEMIC AND CAREER + TECHNICAL SCHOLARSHIP REQUIREMENTS

- Qualifying for these scholarships gives students an opportunity to receive \$750 a semester for four years of college. The overall value of the scholarship is \$6000. Similarities and differences in the requirements for these scholarships are outlined below. If you have any questions about these scholarships, please talk to the high school counselor.
 - Required for BOTH the Academic AND Career and Technical Scholarships
 - Minimum GPA of 3.0
 - No grade below a C in any required course
 - Graduate from a ND high school
 - Attend a ND college
 - Complete a full year of Algebra II class
 - Required for Academic Scholarship ONLY
 - Complete 1 dual credit course (1/2 credit)
 - Complete one credit for which Algebra II is a pre-requisite (College Algebra, Pre Calculus I – Functions, Pre Calculus II – Trigonometry, Trigonometry, Elementary Statistics, College Pre Calculus)
 - Score a 24 on ACT exam
 - 2 full credits of the same foreign language or from a CTE coordinated plan of study (see CTE plans of study in Appendix A)
 - 1 credit from foreign language, fine arts, or career and technical education (CTE) classes
 - Required for Career and Technical Scholarship ONLY
 - Complete 2 credits of a coordinated plan of study approved by the department of career and technical education (CTE, including FACS, Ag, Business)
 - Complete 2 more credits of CTE classes not included in the plan of study
 - Score a 24 on ACT exam OR score a 5 or higher on three sections of the Work Keys exam, including Applied Math, Reading for Information, and Locating Information
 - 1 credit from foreign language, fine arts, or CTE classes

Students should choose from the CHS plans of study in order to meet the CTE plan of study requirement for the North Dakota State CTE or Academic Scholarships.

Note: CTE plans of study can be found in Appendix A of this registration manual.

NCAA ELIGIBILITY REQUIREMENTS

- To play college athletics at the NCAA Division 1 or 2 levels, there are academic requirements that are above and beyond graduation requirements. Some of the factors involved in this process are GPA, ACT/SAT scores and completion of certain core courses including English, math, science, and foreign language.

NCAA Divisions I and II require 16 full credits in core courses approved for Carrington High School. Ten of these courses must be completed prior to the seventh semester. Division I uses a sliding scale to match ACT test scores and core course grade points averages. Division II requires an ACT sum score of 68. Before the fall of 2016, Division I athletes need a high school GPA of 2.0 – 2.2999 in core courses. After the fall of 2016, Division I athletes need a high school GPA of 2.3 in core courses. Division II athletes need a GPA of 2.0 in core courses. NCAA approved courses at CHS include:

English

½ - Adv. Composition
1 – English 9
1 – English 10
1 – English 11
½ - English 12
½ - Honors English
½ - Speech

Languages

1 – French I
1 – French II
1 – German I
1 – German II
1 – Spanish I
1 – Spanish II
1 – Spanish III

Social Science

½ - Economics
½ - Geography – E. Hemis.
½ - Geography – W. Hemis.
½ - Government
½ - North Dakota Studies
½ - Psychology
½ - Sociology
1 – US History
1 – World History

Math

1 – Algebra I
1 – Algebra II
½ - College Algebra
½ - College Pre Calculus
½ - Pre Calculus I – Func.
½ - Pre Calculus II – Trig.
1 – Geometry
½ - Trigonometry
½ - Elementary Statistics

Science

1 – Biology
1 – Chemistry
½ - Field Biology
½ - Genetics I
½ - Genetics II
1 – Physical Science
1 – Physics
1 – Physiology

Please talk to the high school counselor if you have questions or would like a booklet regarding NCAA eligibility. The web address for the NCAA eligibility center is: www.eligibilitycenter.org

HONOR STUDENT REQUIREMENTS

- To graduate as an honor student from Carrington High School, your actual GPA must be equal to or greater than 3.450. This GPA is calculated at the end of the 3rd quarter of your senior year.

LANGUAGE ARTS

The following Language Arts credits are required for graduation:

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|---------------------|--------------------------------------|
| 1 credit English 9 | 1/2 credit English 12 |
| 1 credit English 10 | or 1/2 credit Honors English |
| 1 credit English 11 | or 1/2 credit Advanced Composition |
| | or 1/2 credit Speech |
| | or 1/2 credit Applied Communications |
- * Indicates required

10001 - English 9*

36 weeks

Prerequisite: none

English 9 is a comprehensive study of the language arts. Students will further develop reading comprehension and continue to discover the "workings" of literature by studying a variety of genres. Students will also read novels of their choice for enjoyment through a reading workshop. Writing skills will be advanced through writing workshops and through composition assignments included in other units. Techniques in style will be introduced; and grammar, usage, mechanics, spelling, and vocabulary will be reinforced through student writing. Opportunities for oral presentations are also included in many units.

10002 - English 10*

36 weeks

Prerequisite: English 9

English 10 is a comprehensive study of the language arts. Students will further develop reading comprehension and continue to gain an appreciation of literature by studying a variety of genres with a focus on close reading of both fiction and nonfiction texts. Examples of works studied include *To Kill a Mockingbird*, numerous short stories and nonfiction articles. Students will also read novels for enjoyment. Writing skills will be advanced through composition assignments including a small research paper as well as numerous other opportunities to write for a variety of purposes. Techniques in style will be studied; and grammar, usage, mechanics, and spelling, will be reviewed as needed through student writing. In addition, students will study a variety of vocabulary terms throughout the school year. Opportunities for oral presentations are also included.

10003 - English 11*

36 weeks

Prerequisite: English 9 & 10

In accordance with the Common Core State Standards (CCSS), students in English 11 will do extensive, deep reading and analysis of both fiction and non-fiction pieces as well as writing a variety of essays that reflect deep understanding, inference, synthesis, and relevant connections to our world. A number of the fiction pieces will be those written by American authors from the Rationalist through the Early Modern periods. Students will be involved in at least one literature circle in the course of the year. Correct grammar, punctuation, and MLA source documentation as well as effective research will be reviewed and required. A year-long vocabulary study will enhance the stress on vocabulary/diction elevation that the Common Core includes.

10004 - English 12**18 weeks*****Prerequisite: English 9, 10, 11***

Students will review and utilize the concepts of literature to explore a variety of novels, short stories, and non-fiction. Students will also receive a refresher course on usage and mechanics rules as they apply to student writing. Students will prepare oral and written projects to demonstrate their learning.

10005 - Honors English (12)**18 weeks*****Prerequisite: Overall 3.0 GPA, 3.0 GPA in previous language classes, and an ACT score of 18 on English subtest***

Students who would like to challenge their reading and writing skills should opt for Honors English. They must also have the permission of both the instructor and the principal to enter the class. Honors English emphasizes college-level writing, reading, and analysis. Students will write a variety of papers including essays about people and places, literary analysis, and compare and contrast pieces. Independent novels will be read each quarter and will be accompanied by a book analysis. Elevated diction will be a focus in both student writing and through a vocabulary program. Students who qualify may elect to receive college credit (dual credit) through Lake Region State College.

10006 - Advanced Composition (12)**18 weeks*****Prerequisite: Overall 3.0 GPA & Honors English***

Students will develop advanced levels of knowledge, understanding, and application of skills in oral and written communication. APA documentation will be taught and utilized throughout the semester. There will be intensive writing and revision on a variety of essays in addition to reading and evaluation of the essays of published authors. An 8 – 10 page research paper is required. To enroll, a student must have taken Honors English in the previous semester and have the permission of both the instructor and principal. Students who qualify may elect to receive college credit (dual credit) through Lake Region State College.

10007 - Applied Communications (12)**18 weeks*****Prerequisite: None***

This course, also known as Business English, will consist of language experiences including speaking, writing, listening, and reading as they relate to the business and professional world. Oral, written, and computer-based exercises will apply to business communication forms, technological communication, interpersonal communication, the interview process (including cover letters and resumés), and desktop publishing.

10008 - Speech (11-12)**18 weeks*****Prerequisite: Required English Classes***

Students will deliver a variety of formal speeches, such as introductory, demonstration, impromptu, reaction, persuasive, and informative talks, as they learn techniques for speaking effectively in front of an audience. Activities in the areas of nonverbal communication, enunciation, expression, evaluation methods, and mental preparedness will be highlighted. Students who have at least a 3.0 grade point average may elect to receive college credit (dual credit) through Lake Region State College. Since it is a dual credit class, it is taught at a college level, with much responsibility resting on the student in terms of completing assignments, research, and outlines.

10010 - Spanish I (9-12)**36 weeks*****Prerequisite: None***

This is a course of beginning Spanish. The fundamentals of grammar, pronunciation and simple conversation are offered. Elementary readings in Spanish, along with cultural background about Spanish speaking people of the world, are used. A variety of classroom activities explore foods, Hispanic holidays, crafts and artifacts.

10011 - Spanish II (10-12)**36 weeks*****Prerequisite: Spanish I***

This course is a continuation of Spanish I. Increased emphasis is given to communication skills, both oral and written. Additional verb tenses and vocabulary are studied in natural, everyday settings. Regular reading passages promote cultural understanding between American and Spanish speaking people. Cultural activities include hands on food preparation, crafts, money changing, and celebration of Spanish festivals.

10014 - German I (9-12)**36 weeks*****Prerequisite: None***

This is a course of beginning German. The fundamentals of grammar, pronunciation and simple conversation are offered. Students will do elementary reading in German, along with studying the cultural background of Germany. A variety of classroom activities explore foods, German holidays, crafts and artifacts.

10016 - French I (9-12)**36 weeks*****Prerequisite: None***

French I introduces the basics of the French language through listening speaking, reading and writing skills. Culture and geography of France and other French speaking areas are discussed within each unit so students begin to develop a feel for everyday life in a foreign culture. The main emphasis is on the language itself--oral comprehension, proper pronunciation, vocabulary and grammatical structures, and reading comprehension strategies. Foods, holidays, and cultural traditions are also covered.

10017 - French II (10-12)**36 weeks*****Prerequisite: French I***

French II is a continuation of the study of basic structures of the French language. Listening, speaking, reading, and writing skills will continue to be stressed with an emphasis on building vocabulary and improving written and oral accuracy. In addition, cultural, historical, geographic, cinematic and culinary topics are studied to promote a better-rounded view of the French-speaking world.

SOCIAL STUDIES

The following Social Studies classes are required for graduation:

- 1 credit U.S. History
- 1/2 credit American Government
- 1/2 credit Economics
- 1 credit Elective Social Studies
- * Indicates required

10105 - Geography - W. Hemisphere (9-12) 18 weeks

Prerequisite: None

This course will offer the student a better understanding of the physical and human aspect of continent and countries. Each country is dealt with on its most important points. Map study is used as an important tool to understand location of continents regions and countries. Computer work, films, and other material will be used to enrich the material studies. This section deals specifically with the Western Hemisphere of the Earth and the basic study of geography.

10106 - Geography - E. Hemisphere (9-12) 18 weeks

Prerequisite: None

This course will offer the student a better understanding of the physical and human aspect of continent and countries. Each country is dealt with on its most important points. Map study is used as an important tool to understand location of continents regions and countries. Computer work, films, and other material will be used to enrich the material studies. This section deals specifically with the Easter Hemisphere of the Earth and the basic study of geography.

10110 - North Dakota Studies (9-12) 18 weeks

Prerequisite: None

The subject matter studied in this course will focus on the geology and geography, history, government and current issues of the state. Students will explore the uniqueness of the state. The course will discuss the impact that industries, agriculture, and tourism have on the state. Field trip to the state capitol.

10101 - World History (10-12) 36 weeks

Prerequisite: None

World History introduces students to Ancient, Classical, Medieval, and Modern Civilizations. Students will study the historical, cultural, and geographic concepts associated with each of the time periods. An emphasis will be placed on Western Civilization.

10107 - Psychology (10-12) 18 weeks

Prerequisite: None

Psychology offers each student an opportunity to understand personality, behavior and learning processes. Psychological theories and research are reviewed. Psychological disturbances and everyday conflicts are studied as well as healthy coping strategies.

10102 - U.S. History* (11-12)**36 weeks***Prerequisite: None*

U.S. History will give the student a good overview starting at the years from 1492 through present time. Main points we try to stress in this course are the American Revolution, Industrial Revolution, Civil War, World War I & II, and the Vietnam War as well as cover all other problems, disputes, and wars that took place from early explorations to now.

10103 - American Govt.* (12)**18 weeks***Prerequisite: U.S. History*

This course will offer students a better understanding of the functions of federal, state, and local governments. The U.S. Constitution, civil rights, and individual rights will be covered.

10104 - Economics* (12)**18 weeks***Prerequisite: U.S. History*

The subject matter studied in this course deals with economic theories, micro-economics, macroeconomics, and international trade. Four weeks of the semester will be used to study federal and state income tax. Computer work and many hands on activities will be used to enhance understanding of the material.

10108 - Sociology (11-12)**2 weeks***Prerequisite: None*

This course will be offered in the summer. Students will learn about societal relationships, from primary groups to the complex groupings of megalopolis. Behavior patterns, deviance, status, culture, and change are topics of the course. Sociology is a dual credit class. Students must qualify for the class based on GPA.

SCIENCE

The following Science credits are required for graduation:

1 credit Physical Science

1 credit Biology

1 credit Elective Science

* Indicates required

10201 - Physical Science* (9)**36 weeks***Prerequisite: None*

The subject matter studied in physical science includes the following: the make-up of matter; the classification of matter into elements, compounds, and mixtures; the properties of matter; changes in matter; the different forms of energy; the processes of changing energy from one form to another; the use of energy to do work; the properties of sound and light; and the study of electricity and magnetism. In order to gain a better understanding of the topics, studies, laboratory experiments, and demonstrations are a part of the course. Since the metric system is used throughout the course, it is one of the first topics studied.

10203- Biology* (10-12)**36 weeks*****Prerequisite: None***

This course is designed to acquaint the student with the basics of biology including the study of living processes and how they occur on different life levels, genetics, the structure and function of the animal kingdom including humans, and a brief look at plants. The importance of conservation, ecology, and current issues are stressed. Practical application of information is also targeted as a goal.

10205 - Chemistry (11-12)**36 weeks*****Prerequisite: Algebra I***

The general topics of chemistry include the following: the composition and classification of matter, atomic structure, the periodic table, chemical reactions, writing chemical formulas and equations, balancing equations, and calculating amounts of reactants and products involved in reactions. Graphing calculators will be used in some experiments. The course also provides an introduction to organic chemistry, biochemistry, and nuclear chemistry. Chemistry is a laboratory science elective for upper classmen.

10206 - Physics (12)**36 weeks*****Prerequisite: Physical Science***

The physics course is a study of the theoretical and mathematics relationships, which exist within the realm of matter and energy. Physics is a lab-oriented course and each major topic will be accompanied by extensive investigations, including the use of the TI-84 graphing calculators and probes. Some of the major topics covered are the following: forces, the motion of objects, thermal energy and effects caused by heat, work, power, energy, the structure of matter, wave motion, sound, light, electrostatics, and current electricity. (Instructor approval without Algebra II)

10207 - Physiology (11-12)**36 weeks*****Prerequisite: Biology***

An in-depth study of the functions of the major systems in the human body. These systems include: skeletal, muscular, digestive, reproductive, circulatory, nervous, respiratory, urinary, endocrine, and integumentary. This course is valuable for the student interested in being a nurse, doctor, physical therapist, or any related medical field. It is also valuable for those interested in physical education or coaching.

10208 - Field Biology (11-12)**18 weeks*****Prerequisite: Biology***

This course is the study of living communities and adaptation to the environment. The class will also deal with environmental issues, energy issues, and have a section of outside specimen collecting. Students who wish to take this course should have an interest in Biology.

10209 - Genetics I (11-12)**18 weeks*****Prerequisite: Biology***

This class will study laws of heredity, inheritance, and human genetics. Lab work will include a number of different DNA activities.

10210 - Genetics II (11-12)**18 weeks*****Prerequisite: Biology***

The class will continue the study of genetics. The emphasis in this course will be on genetics and the immune system, plant genetics, and a further study of human genetics. The class contains many labs and activities.

10216 – Applied Biology/Chemistry (11-12)**18 weeks*****Prerequisite: Physical Science and Biology***

This class will deal with life applications of concepts in biology and chemistry. The class will cover anatomy, genetics, air, water, nutrition, disease and wellness, plants, and soil chemistry. Entry into this class is by approval of the instructor only.

MATH

3 credits are needed in Math for graduation

*Indicates required

10301 - Pre-Algebra (8-10)**36 weeks*****Prerequisite: None***

This course will cover the number system, expressions, equations, functions, geometry, statistics, and probability. The student will learn: 1. Make sense of problems and persevere in solving them. 2. Reason abstractly and quantitatively. 3. Construct viable arguments and critique the reasoning of others. 4. Model with mathematics. 5. Use appropriate tools strategically. 6. Attend to precision. 7. Look for and make use of structure. 8. Look for and express regularity in repeated reasoning.

10302 - Algebra I* (8-12)**36 weeks*****Prerequisite: None***

This course is a first year course in Algebra. It covers linear, exponentials, absolute, and quadratic functions. It deals with data analysis, system of equations, and linear inequalities. Reading and problem solving are emphasized throughout, and applications are made to real-life situations. Scientific calculators are needed throughout the course, and some computer applications are also made. The student will learn: 1. Make sense of problems and persevere in solving them. 2. Reason abstractly and quantitatively. 3. Construct viable arguments and critique the reasoning of others. 4. Model with mathematics. 5. Use appropriate tools strategically. 6. Attend to precision. 7. Look for and make use of structure. 8. Look for and express regularity in repeated reasoning.

103784 - Informal Geometry (9-12)**36 weeks*****Prerequisite: Algebra I***

This course covers basic geometry concepts such as points, lines, planes, angles, circles and other figures. This is an introductory level math class intended for students who are planning to enter the workforce instead of college.

10304 - Geometry (9-12)**36 weeks*****Prerequisite: Algebra I***

This is a study of angles, lines, planes, triangles, circles and other figures. Throughout the course students will apply algebra to geometry concepts. This course also includes the study of logical reasoning. Students will be introduced to proof writing as a way of organizing their logical reasoning.

10303 - Algebra II (10-12)**36 weeks*****Prerequisite: Geometry or Informal Geometry***

This course will cover real numbers and complex numbers, statistics, sequences and series. It will cover linear, quadratic, polynomial, rational, radical, exponential, logarithmic, and trigonometric functions. The student will learn: 1. Make sense of problems and persevere in solving them. 2. Reason abstractly and quantitatively. 3. Construct viable arguments and critique the reasoning of others. 4. Model with mathematics. 5. Use appropriate tools strategically. 6. Attend to precision. 7. Look for and make use of structure. 8. Look for and express regularity in repeated reasoning.

10307 - Applied Math (11-12)**36 weeks*****Prerequisite: Geometry or Informal Geometry***

This class utilizes problem-solving exercises to help the student understand the mathematics needed to work and live in a technical world. It includes hands-on activities, which implement the use of arithmetic operations, problem-solving techniques, estimation of answers, measurement skills, geometry, data handling, simple statistics, and algebraic formulas. This course is designed for students who are planning to enter into the work force.

10322 - Trigonometry (11-12)**18 weeks (2nd semester)*****Prerequisite: College Algebra***

The main portion of this class is trigonometry. Vectors will also be studied. The TI-84 is extensively used in this course.

10310 - College Algebra (11-12)**18 weeks (1st semester)*****Prerequisite: Overall 3.0 GPA, Algebra 2, and an ACT score of 21 on math subtest or an ASPIRE score of 431 on math subtest***

This is a dual credit class through Lake Region State College. Topics include functions, models, polynomials, and matrices. The TI-84 graphing calculator is also used.

10323 – Elementary Statistics (12)**18 weeks (2nd semester)*****Prerequisite: Overall 3.0 GPA, College Algebra or College Pre-Calculus, and an ACT score of 21 on math subtest***

This is a dual credit class through Lake Region State College. Measurement of data, probability, distributions and hypothesis testing are some of the topics studied.

10314 - College Pre Calculus (12)**18 weeks (1st semester)*****Prerequisite: Overall 3.0 GPA, Trigonometry, and an ACT score of 21 on math subtest***

This is a dual credit class through Lake Region State College. Matrices, conic sections, sequences and limits are some of the topics. The integral and derivative of calculus are introduced. The TI-84 is extensively used in this course.

FAMILY & CONSUMER SCIENCES - (CTE)

10500 - FCS I (9-10)

36 weeks

Prerequisite: None

This course was formerly known as Home Economics. It is a basic course in consumer and homemaking skills. In this class there are five concept areas. These include: Human Development and the Family, Home Management and Family Economics, Food and Nutrition, Textiles and Clothing, and Housing. Basic objectives of this class are to help students gain better understanding of themselves, learn to work corporately for their role as homemakers and wage earners and as consumers in our society.

10505 - Clothing and Textiles (10-12)

18 weeks

Prerequisite: None

This semester long project-based course provides students with an introduction to basic-intermediate sewing construction techniques. Students will learn about a wide variety of fabrics and their characteristics, sewing equipment, tools, and various sewing techniques. This course will also cover the selection, purchase and maintenance or repairs of ready-to-wear clothing.

10501 - Foods I (10-12)

18 weeks

Prerequisite: None

In this class students will be gaining knowledge of cooking principles involved in preparing foods from each of the food groups: fruits and vegetables, meats, breads and cereals, and dairy products. Nutrition, buying and storage of food, and small equipment and appliances will be covered. As a result of this class, students will gain an appreciation for nutrition, well-prepared foods, and an understanding of principles involved in food selection, preparation, and service.

10502- Foods II (10-12)

18 weeks

Prerequisite: Foods I

The major objective of this course is to gain knowledge on the history, food patterns, and food customs from different regions of the United States and different cultures around the world, and also to experiment with dishes from each. Other topics covered will include table etiquette, entertaining, food preservation, and the different preparation techniques of meats, poultry, fish, and shellfish.

10503 - Child Develop. (10-12)

18 weeks

Prerequisite: None

The development of the human from conception to age six is studied and related to the development of the attitudes and problems of the adolescent and adult. Concepts covered include: prenatal care and heredity influences, birth of a baby, growth and development, discipline, eating habits, socialization, and dual role of homemaker and wage earner. Practical experiences may include a nursery school, field trips, child observations, and community work experience.

10504 - Independent Living (12)**18 weeks***Prerequisite: None*

This course is designed for seniors who have limited background in homemaking skills and who plan to be independent persons at some time in their life. The objective for this class is to provide learning experiences in various fields. The housing unit includes how to find a place to live, furnishing it and maintaining it. The consumer unit deals with shopping and consumer practices, identifying fraud, and making wise choices. The foods unit includes nutrition, the basic food groups, and food preparations that are geared for independent people. There will be a unit on car purchasing, insurance for home, cars, etc. Needed job skills will also be covered. The self-identity unit includes decision-making, goal setting, and time management.

11100 – Co-op Health Placement (12)**18 weeks***Prerequisite: none*

This course for seniors gives students a chance to explore jobs in the medical field. They may work in areas such as X-ray, medical records, physical therapy, or clinic experience.

BUSINESS EDUCATION – (CTE)**10415 – Business Fundamentals (9-12)****36 weeks***Prerequisite: None*

This is a basic course, which introduces students to their consumer, worker, and citizen roles. Sample topics that will be covered include: Global Economics, Business Organization and Management, Business Operations and Technology, Personal Finance, and Investing Money. Students will participate in a virtual stock market simulation throughout the year. This class is recommended for students before taking other upper-level business courses.

10418 – Financial Literacy (10-12)**18 weeks***Prerequisite: None*

Students 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.

10414 - Entrepreneurship (10-12)**18 weeks***Prerequisite: Business Fundamentals (Intro to Business)*

This class will be an elective for all 10th, 11th and 12th graders. This is an introductory course into starting, owning, financing, and managing a small business. Students will be introduced to the development of a business plan. Visiting small businesses may be required throughout the semester. This is an excellent class for students interested in any business field.

10408 – Business Law (10-12)**18 weeks*****Prerequisite: Business Fundamentals (Intro to Business)***

Students will be introduced to the fundamental background of the development and enforcement of laws, the difference between criminal and civil law, and our present court system and how it works. Topics to be discussed include laws concerning contracts, sales, property and bankruptcy.

10419 - Accounting I (10-12)**18 weeks*****Prerequisite: None***

This class will be an elective for all 10th, 11th, and 12th graders. This is the introductory course of accounting for proprietorships, partnerships, and corporations and will be the prerequisite for Accounting II. Computerized accounting is involved in this course. Accounting simulations will be completed for a sole proprietorship as well as a partnership.

10423 – Accounting II (10-12)**18 weeks*****Prerequisite: Accounting I***

This class is the second half of the introductory course that began with Accounting I and will be the prerequisite for Accounting III.

10416 - Accounting III (11-12)**18 weeks*****Prerequisite: Accounting II***

This class will be an elective for all 11th and 12th graders. This is the advanced course in accounting including voucher systems, cost, managerial & manufacturing accounting as well as other various accounting topics. A business simulation is also done in this class. Computerized accounting is involved in this course. This course will be the prerequisite for Accounting IV.

10417 - Accounting IV (11-12)**18 weeks*****Prerequisite: Accounting III***

This class is the second half of the advanced course that began with Accounting III.

10405 - Multimedia (9-12)**18 weeks*****Prerequisite: None***

This class will cover applications such as iMovie, Garage Band, review of Microsoft Office applications, essential computer concepts, file management, podcasts, and animations. This will be a great course for students wishing to explore a variety of computer applications.

10426 - Multimedia – Cardinal TV (10-12)**36 weeks*****Prerequisite: Need instructor approval***

Students will create and edit videos and develop programming for a TV channel provided by Dakota Central Telecommunications. In addition to taping live CHS events, they will also create videos in the classroom. Students will learn how to use editing software to create high quality programming for the channel. Students taking this course will be expected to attend a certain number of evening CHS events to run the camera.

10412 - Desktop Publishing (10-12) 18 weeks

Prerequisite: None

This class will cover Adobe Creative Suite components Illustrator, Photoshop and In-Design. Students will learn how to use each of these components to create images for use in websites and print media. In-Design will work with the layout different print media. Students will create various projects using each of these applications during the semester. Great course for students to explore working with images, creating images and media layout.

10413 – Web Design (10-12) 18 weeks

Prerequisite: Desktop Publishing

This class will cover Adobe Creative Suite components Fireworks, Flash and Dreamweaver. Fireworks will be used to create banners for the website, Flash is used to create animations and Dreamweaver is what will be used to create the website. Students will create a website as a final project for the class. This will be a great course for students who to explore creating flash animations for websites, banners for use in websites and also creating a website.

10425 – Technology Student Aide (11-12) 18 - 36 weeks

Prerequisite: Need instructor approval

Under the instruction of the district technology coordinator, students in this course will assist students, teachers, and other staff members in the use of technology at the elementary school and the high school.

AGRICULTURAL EDUCATION – (CTE)

10631 – Introduction to Agriculture (9-10) 36 weeks

Prerequisite: None

Introduction to Agriculture is an introduction to the Agricultural Education Program. The course provides a general overview of the world of agribusiness and provides early exploration into the many career opportunities available in the agribusiness industry and other vocational areas. Units of instruction are intended to provide a basis for further studies in Foundations of Ag. and advanced Ag. Ed. courses. Units of instruction include Introduction to Agricultural Ed., Agricultural/Vocational Careers, Leadership and Personal Development, Introduction to Mechanics, Mechanics-Carpentry, Mechanics-Metal Working, Introduction to Plant Science, Introduction to Natural Resources, Introduction to Animal Science, and the Supervised Agricultural Experience Program.

10632 – Foundations of Agriculture (10-12) 36 weeks

Prerequisite: Introduction to Ag.

Foundations of Agriculture is designed to provide instruction in the fundamentals of Agricultural Education. Foundations of Ag. is an extension of Introduction to Ag. Students are encouraged to take Intro to Ag. before Foundations of Ag. Foundations of Ag. is suggested before taking the advanced Ag. Ed. courses. The following units will be taught in Foundations of Ag.: Mechanics-Welding/Hot Metal Work, Mechanics-Power Tool Carpentry, Agricultural Products-Meat Products, Natural Resources-Range Science, Introduction To Horti- Culture, Leadership and Personal Development, and the Supervised Agricultural Experience Program.

10620 Community Development (10-12) 18 weeks

Prerequisite: None

This course provides agricultural education students an opportunity to understand the principles and fundamentals of community development and gain an appreciation of essential community needs. Students will have the opportunity to study the community development process and select, plan, and implement a community development project or projects. Community leadership development and service learning are integral to the success of the course, therefore opportunities in public speaking, parliamentary procedure, meeting operations, etc. will be provided.

10609 - Agribusiness Mgt. (10-12) 18 weeks

Prerequisite: none

Agribusiness Management is designed for the student interested in a career in production agriculture, agricultural research, agribusiness financing/economics, agricultural sales and service, agribusiness ownership, etc. Students in the class will operate and manage a simulated agricultural business with the use of the computer over a hypothetical two-year period. In the operation of this simulated agricultural business, students will deal with the following topic areas: Inventories, Budgets, Computerized Record Keeping, Cash Flow Statements, Tax Management, Investment Alternatives, Net Worth Statements, Profit/Loss Statements, Insurance, Loans, Marketing, and Financial Analysis of the Business.

10633 – Ag. Mechanics Technology (11-12) 36 weeks

Prerequisite: Ag Ed II

Agricultural Mechanics courses are designed to reinforce and extend students' understanding of applied mechanical applications by associating scientific principles and concepts with relevant applications in fields associated with mechanics. Students will be exposed to mechanical, fluid, electrical, and thermal power that are associated with the field of agriculture. Course sequence is designed to provide students with applied activities which may include: power sources, electrical wiring principles, agricultural power and equipment, plumbing, hydraulics, fence construction, electric motors and controls, GIS and GPS systems. Leadership development and supervised agricultural experiences are integral to these courses.

10606 - Agbusiness Sales & Service (11-12) 18 weeks

Prerequisite: none

Agribusiness Sales and Service is a prerequisite for the Agribusiness Coop Placement Program. Topic areas that will be covered in the class include Career Awareness and Research, Finding and Applying for a Job, Joining the Work Force (work ethics), Managing your Money, Types Of Business Organizations, and Selling and Salesmanship. Upon completion of this course the student must meet all of the requirements and make all of the preparations needed to enter the Agribusiness Coop Placement Program. This course will be offered the spring semester only.

10611 - S.A.E.P. (11-12) 52 weeks

Students enrolled in this class must have approval of their parents, employer, and agricultural education instructor. Through this course students will be able to earn up to 1/4 credit during high school for their entrepreneurship or placement S.A.E. Program. The credit available for the S.A.E. Program will be based on the quality and scale of the S.A.E. Program as well as the completeness and accuracy of the S.A.E.P. record book.

10607 - Ag. Ed. Co-op Placement (12)**36 weeks - 2 hr. block*****Prerequisite: Agbus. Sales***

Students enrolled in this class must have satisfactorily completed the Agribusiness Sales and Service Class with a "C" average or better, and have the approval of their parents, the agricultural education instructor, and high school principal. Students must have a minimum GPA of 2.0 and must not be repeating any required high school classes. Students will be placed in an agricultural/vocational/technical business place for a minimum of two hours per school day in order to gain first hand job experience and training in that business/career field.

PHYSICAL EDUCATION

1 credit in Phy. Ed. is needed for graduation

10702 - Physical Education**18 weeks****10703 - Personal Fitness (11-12)****18 weeks*****Prerequisite: Physical Education***

Designed for the health and fitness minded student who would like to participate in an advanced fitness program including various aerobics activities and strength training. Emphasis in this class is on improving personal conditioning through a wide variety of activities.

10704 - Health (9-12)**18 weeks*****Prerequisite: None***

The focus of this course is to introduce and explain the concept of wellness; provide current information on health issues; examine and evaluate personal relationships; and to assist the student in developing a balanced lifestyle.

FINE ARTS

10800 - Art I (9-12)**18 Weeks*****Prerequisite: none***

This is a foundation course in the fine arts. It includes the principles and elements of design. The course will enforce the underlying basics of the art curriculum and incorporate the necessary foundation into all areas of art production.

10801 - Dry Media (10-12)**18 weeks*****Prerequisite: Art I preferred***

The purpose of Art II is to teach students to see, interpret, and become aware of design. The course will include drawing and designing in a variety of media such as pencil, colored pencil, charcoal, pastel, conte, ink, and marker.

10802 - 3-D Design A - Sculpture**18 weeks*****Prerequisite: Art I preferred***

This course explores the student's artistic ideas through the creative process of sculpture. Students will experience and discuss all aspects of traditional sculpture, as he or she develops ideas into three-dimensional form in paper, soap, plaster, wire.

10803 - 3-D Design B - Ceramics**18 weeks***Prerequisite: Art I preferred*

This course explores the media of ceramics. It deals with working with clay and its versatile potential as an art medium. Instructions explain hand forming, coil, slab, modeling, combination, and wheel-throwing. It also covers firing and finishes such as stains, glazes, and safety information.

10804 - Wet Media (10-12)**18 weeks***Prerequisite: Art I preferred*

Art III is composed of the different painting media. Students will have a chance to experience such wet medias as tempera, watercolors, acrylics, and oils. Students will be exposed to various fine art through audio-visuals and field trips.

10806 – Independent Art Study**18 weeks***Prerequisite: Need instructor approval***10900 - Senior High Band****36 weeks****10901 - Senior High Choir****36 weeks****10902 - Supervised Individual Study: Musicology****18 weeks***Prerequisite: Need instructor approval*

Students will learn fundamentals of live sound production and audio recording. Topics of study will include microphone selection and placement, signal path, basic equalization and compression, as well as speakers, mixing consoles and amplifiers. Students will apply these fundamentals to complete audio projects ranging from simple public service announcements to full multi-track recordings as well as engineering sound for live events.

10910 - Junior High Band**36 weeks****10911 - Junior High Choir****36 weeks**

OTHER OFFERINGS:

11000 - Drivers Education**Summer**

Driver Education is designed to provide the students with the opportunity to develop the mental and physical skills that will serve as a foundation for safe driving habits. Students receive 30 hours of classroom instruction and 6 hours of in car instruction.

11101 - Elementary Tutoring – (12)**18 weeks***Prerequisite: none*

The purpose of this course is to introduce high school students to the field of elementary teaching. Students will be working cooperatively with the teacher and principal and will also be confronted with different daily functions of the elementary school.