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2018-2019 Course Registration Guide

Hayfield High School

Home of Viking Pride

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A = ART CREDIT
CTE = CAREER/TECHNICAL ED CREDIT
OL = HHS ONLINE COURSE OFFERING
*** = DIPLOMA WITH DISTINCTION COURSE**

	Course Requirements Grades 9-12
English	**4 credits** English 9 3 Semester credits of writing, 2 semester credits of literature, and 1 semester credit of communication**--Starting for Class of 2021--**
Social Studies	**4 credits** American History I and II, World History, Social 12
Mathematics	**3 credits** HS Algebra, Advanced Algebra, Geometry
Science	**3.5 credits** Earth Systems 9 (.5 credit), Physical Science 9, Biology, either Chemistry or Applied Chemistry
Physical Education and Health	**1.5 credits** Physical Education 9 (.5 credit), Physical Education 10 (.5 credit), Health 10 (.5 credit)
College & Career Readiness	**0.5 credits** College & Careers (.5 credit) **--Starting for Class of 2020--**
Electives	**10 credits** 1.0 from visual, music, or media arts (A) 1.0 from Career and Technical (CTE)
Total Credits	**26.0** Students must register for a minimum of seven (7) credits per year
Testing	The graduation-required assessment for diploma in reading, mathematics, or writing under Minnesota Statutes can be the ACT assessment for college admission or ASVAB, a nationally recognized armed services vocational aptitude test.

Course Requirements for:		
6th Grade	**7th Grade**	**8th Grade**
English 6	English 7	English 8
Science 6	Life Science	Earth Science
Math 6 or Pre-Algebra	Pre-Algebra 7 or Algebra 7	Algebra 8 or HS Algebra 8
Social 6	Social 7	Social 8
Choir and/or Band	Choir and/or Band	Choir and/or Band
Physical Education 6	Physical Education 7 (Semester)	Physical Education 8 (Semester)
Art 6 (Semester)	Computer Skills I (Semester)	Computer Skills II (Semester)
STEM 6 (Semester)	Art 7 (Semester)	Ag 8 (Semester)
Computers 6 (Semester)	STEM 7 (Semester)	FACS 8 (Semester)
Health 6 (Semester)	FACS 7 (Semester)	Health 8 (Semester)
	Transitions (Semester)	Spanish 8 (Semester)

Hayfield High School Distinction Classes

To achieve graduating with distinction students must:

- Attend 3.5 credits at HHS both their junior and senior year.
- Achieve 12.0 semester credits from distinction classes with an average overall 3.00 GPA.
    - Distinction courses cannot be taken pass/fail.
- Enroll in three different departments for distinction courses.

English

College English—Reading and Writing Critically I (1.0)
College English—Reading and Writing Critically II (1.0)

Mathematics

College Algebra (2.0)
Fundamentals of Statistics (2.0)

Science

Advanced Chemistry (2.0)
Physics (2.0)

Social Studies

Sociology (1.0)
Psychology (1.0)

Agriculture and Industrial Technology

Pre-Engineering (2.0)
Veterinary Science (1.0)

Art

Independent Art I (1.0)
Independent Art II (1.0)

Business Education

Managerial Finance (2.0)

FACS

Foods III (2.0)
Hospitality, Tourism and Recreation (2.0)

Foreign Language

Spanish III (2.0)
Spanish IV (2.0)

Music

Band (2.0)-Special criteria applied
Choir (2.0)-Special criteria applied

Graduation Requirements

Honors

High Honors	3.85-4.00 GPA
Honors	3.67-3.84 GPA

ARTICULATION AGREEMENTS

The Southern Minnesota Tech Prep College Credit Certificate Request Project represents the cooperation of Tech Prep Consortiums and post-secondary campuses across Southern Minnesota. The purpose of this joint project is to provide students in Hayfield High School the opportunity to earn college credit for classes they take in high school. These credits are earned at no cost to the student and can be redeemed at a variety of post-secondary campuses (listed on the certificate) upon admission to the school. High school juniors or seniors who demonstrate mastery of specified competencies and receive a grade of B or higher in the classes listed below will receive an advanced standing certificate.

Career Pathway: Human Services		
Course:	**Articulation Agreement:**	**Participating Colleges:**
Advanced Foods	Basic Cooking Principles	• South Central Technical College, North Mankato
Career Pathway: Science, Technology and Natural Resources		
Course:	**Articulation Agreement:**	**Participating Colleges:**
Welding & Fabrication II	Related Welding	• Dakota County Technical College – Rosemount
Small Engines	Small Gas Engines	• Ridgewater College-Willmar
Vet. Science		• Riverland Community College - Albert Lea and Rochester
Animal Science/Large	Livestock Production	• South Central College – North Mankato
Animal Science/Small		
Farm. Wire/Home Repair	Electrical Wiring	
Horticulture	Agronomy	
Ag. Power and Equip	Machine Assembly Reconditioning	
Ag. Construction Woodworking	Tool & Const. Safety	

HHS ONLINE LEARNING OPTION

The courses listed below are available to students through our internal online learning option. For additional information on these courses and the online requirements, please see the instructor.

Advanced Accounting
College and Careers
Computer Applications I& II
Fashion Design
Personal Health and Nutrition
Stress Management

RIGOR RUBRICS FOR READING, WRITING, AND HOMEWORK

Below is rubric showing the levels of rigor in our courses in the areas of reading, writing, and homework. The purpose of this rubric is to inform students of the level of rigor involved in each of our courses so that students may make informed registration decisions. We encourage students to challenge themselves as we believe that the ability to read analytically and write persuasively is essential in preparing oneself to be college/career ready.

READING

1-LIGHT	Light reading, in-class only
2-MODERATE	Reading homework assigned outside of class, at times even lengthy. Student will be responsible for assessment on frequent basis based on homework readings of less than 10 pages.
3-SUBSTANTIAL	At least once weekly, students will be responsible for significant reading assignments of 10 or more pages. Students will be consistently responsible for knowing the content of what they read, in addition to comprehension of the material
4-COLLEGIATE	Nearly on a daily basis, students will be responsible for collegiate-level reading assignments. In terms of assessment, this involves comprehension and synthesis of the material covered. Students will be expected to analyze what they have read in an elaborate fashion.

WRITING

1-LIGHT	Written, short answers to questions. No formal outside writing (papers, essays, etc.)
2-MODERATE	Students will be asked to develop paragraphs using complete sentences. Normally, organized essays of up to one page turned in typewritten form.
3-SUBSTANTIAL	The full writing process is utilized in this class on a regular basis. Appropriate grammar and usage, outlines, story boards and development emphasized. Multiple drafts will be associated on major assignments to develop writing skills. Written assignments will frequently be from 2-5 pages.
4-COLLEGIATE	Major organized papers will be expected (longer than 5 pages). The research process is an emphasis for the construction of these papers. Proper citations, grammar and usage are a base expectation. Construction of synthesis and evaluation statements of course content is a routine expectation of written work.

HOMEWORK

1-LIGHT	There is very little to no homework assigned outside of this participation class.
2-MODERATE	There is some homework issued in this class. The weekly expectation will not exceed 60 minutes per week.
3-SUBSTANTIAL	Homework is given on a routine basis. Each student will be expected to complete between 60 and 180 minutes of homework per week. Students wanting to do well in this course are expected to prepare for exams.
4-COLLEGIATE	Homework is given on a daily basis. Students are expected to complete roughly the same amount of time outside of the classroom as inside the classroom. The total amount of homework in this course will rarely be less than 180 minutes per week.

PASS/NO CREDIT OPTION FOR ADVANCED COURSES

Students registered for the advanced courses listed below will have the option of receiving a letter grade (A-F) or choosing a pass/no credit grade. Students must notify their teacher of their grading choice prior to the first mid-quarter. Students who choose the pass/no credit option will receive graduation credit for the course, but the grade will not count toward their cumulative GPA. Students may take a maximum of two courses per year on the pass/no credit option. In order for a student to receive a grade of "P" in the pass/no credit option, they must achieve at 75% or higher.

Advanced Chemistry	Financial and Managerial Accounting
Anatomy/Physiology	Physics
Calculus	Spanish IV

COLLEGE IN THE SCHOOL COURSES

These college courses will be offered for the 2018-19 school year at Hayfield High School.
Class offerings are dependent upon student enrollment in a course.

SENIORS—Seniors enrolling in college in the schools courses must have a 2.5 or higher GPA. However, students that have scored appropriately on the Accuplacer, ACT, or MCA tests may be eligible for some college in the schools courses, regardless of GPA. Please see the guidance counselor or principal for more information in regards to test scores.

JUNIORS—Juniors enrolling in college in the schools courses must have a 3.0 or higher GPA. However, students that have scored appropriately on the Accuplacer, ACT, or MCA tests may be eligible for some college in the schools courses, regardless of GPA. Please see the guidance counselor or principal for more information in regards to test scores.

SOPHOMORES—Sophomores please see your guidance counselor or principal for the requirements for concurrent enrollment courses for sophomores.

GRADES 10, 11 AND 12 MAY REGISTER FOR THESE COURSES

BUSO 2641 - APPLIED PRINCIPLES OF BOOKKEEPING

Pre-requisite: Computer Applications I and Computer Applications II
3 Credits (1 credit for high school)
Grading System A-F; Course offered through Riverland Community College

This beginning level college course introduces the basic bookkeeping cycle. Topics include transaction analysis and recording. The full range of journals, financial reports, and current bookkeeping applications, such as QuickBooks, will be used. This course is part of the Associate in Applied Science Administrative Assistant degree which is accredited by the Accreditation Council for Business Schools and Programs (ACBSP).
This course is comparable to Hayfield High School's Accounting course.

BUSO 1620 - Introduction to Computers

2 Credits (1 credit for high school)
Grading System A-F; Course offered through Riverland Community College

This course covers basic information about computer hardware and the use of computer software as a business productivity tool, as well as for personal use. Topics covered include the operating system and desktop environment; file and folder management; introduction to spreadsheet procedures; introduction to database creation and file management, fundamental word processing concepts, and presentation graphics. Some basic computer literacy will be covered, such as e-mail etiquette, ethical computing, document attachment to e-mail and use of digital files.
This course is comparable to Hayfield High School's Computer Application I.

GRADES 11 AND 12 MAY REGISTER FOR THESE COURSES

BIOL 1220: GENERAL BIOLOGY I

4 Credits (.5 credit for high school)
Grading System A-F: Course offered through Riverland Community College, course offered first semester

This course is one of two introductory courses in biology. It is a cellular-based approach to the foundational principles of biology, and it addresses basic life processes at molecular, cellular, tissue, and organismal levels, principles of evolution, and interactions among organisms. (Prerequisites: None). (4 C/3 lect, 2 lab). MNTC: Goal 3/Natural Sciences, Goal 10/People and the Environment.

BIOL 1230: GENERAL BIOLOGY II

4 Credits (.5 credit for high school)
Grading System A-F: Course offered through Riverland Community College, course offered second semester

This course is one of two introductory biology courses. It is an organism-based study of the diversity of living organisms including the structure and function of organisms to incorporate how they carry out basic life processes (e.g., gas exchange, nutrition). Students study the comparative anatomy and physiology and the evolutionary history and relationships among organisms, addressing key adaptations to survival of selected organisms. (Prerequisites: None). (4 C/3 lect, 2 lab). MNTC: Goal 2/Critical Thinking, Goal 3/Natural Sciences.

COLLEGE ENGLISH will include two courses **Reading and Writing Critically 1** and **Reading and Writing Critically II**

ENGL 1117 – READING AND WRITING CRITCALLY I **Diploma with Distinction Course**

4 credits (0.5 credit for high school graduation)
Grading System A-F; Course offered through Riverland Community College, course offered first semester

This course introduces students to various writing strategies for both single and multiple-source essays. By critically reading and responding, students will practice expository, analytical, and persuasive modes of communication to develop critical thinking and writing skills, culminating in limited research projects.

ENGL 1118 – READING AND WRITING CRITICALLY II **Diploma with Distinction Course**

4 credits (0.5 credit for high school graduation)
Grading System A-F; Course offered through Riverland Community College, course offered second semester

This course English 1118 continues the development of writing skills begun in ENGL 1117 and concludes with emphasis on writing from multiple sources. This course fosters a deeper appreciation of language and literature by having students read, examine, and respond to a variety of literary works. A particular focus of this course is the development of the crucial skill of critical interpretation. Emphasis on the relationship between form and content will help students to formulate opinions and responses, forming the basis for their analytical and artistic judgments. Students will examine external resources, develop additional critical thinking skills, and analyze and synthesize texts by combining documented and textual evidence in a major research project. Recommended Entry Skills/Knowledge: College level reading and writing skills.

FSCI 1000 Principals of Food Science **Diploma with Distinction Course**

4 credits (0.5 credit for high school graduation)
Grading System A-F; Course offered through Riverland Community College

This course will include an overview of scientific principles applied to food systems and will cover chemistry & composition, nutrition & health, and sensory evaluation of foods. An overview of the food industry including an examination of the farm-to-fork movement based on both US and global food production and processing systems will be performed. Review of current food trends including organic, natural and other traditional/conventional vs. emerging/newer foods will be undertaken. Exploration of how animal/plant commodities are processed into finished foods will supplement discussion of diverse food industry careers prior to delving into modular topics. A special emphasis on real-world, creative problem solving will provide students with skills helpful in pursuing careers in research & development, plant operations, or business & entrepreneurship. The use of innovation and design thinking skills to enhance learning outcomes through academic and industry environments are included.

MATH 1110 - COLLEGE ALGEBRA **Diploma with Distinction Course**

3 credits (0.5 credit for high school graduation)
Grading System A-F; Course offered through Riverland Community College

This course covers the basics of college level algebra emphasizing understanding of the basic principles through investigation. The topics covered range from a basic algebra review to exploration of linear, quadratic, exponential, and logarithmic functions along with a study of rational expressions, inverse relations, function operations, complex numbers, and systems of equations.

MATH 1120 – TRIGONOMETRY **Diploma with Distinction Course**

4 credits (0.5 credit for high school graduation)
Grading System A-F; Course offered through Riverland Community College

This course builds on the computational, problem solving, and graphing skills learned in previous math courses. The topics covered in this course include trigonometric ratios, functions, graphs, identities, equations, inverse trigonometric functions, solution of the general triangle and other applications, conic sections, polar coordinates, and complex numbers. Prerequisite: MATH 1110 or equivalent.

SPAN 2001 – INTERMEDIATE SPANISH I **Diploma with Distinction Course**

4 credits (1 credit for high school graduation)
Grading System A-F; Course offered through Riverland Community College

This course presents a comprehensive review and continued development of speaking, listening, reading and writing skills in accordance with the ACTFL (American Council of Teachers of Foreign Language) standards. It includes special emphasis on communicating ideas in conversation and in writing in order to increase proficiency. Cultural materials develop an awareness and understanding of the arts, customs, history, culture and literature of Spanish-speaking people and countries throughout the world. This study creates a comparison of cultural, social and linguistic differences and similarities. This course also explores how the ideas and values of Spanish-speaking cultures are expressed in the arts and humanities within a social and historical context. This course is intended for students who have successfully completed two years of high school Spanish. This course will be one year and students can receive 4 credits through Riverland.

GRADE 12 MAY REGISTER FOR THESE COURSES

MATH 2021 – FUNDAMENTALS OF STATISTICS **Diploma with Distinction Course**

4 credits (1 credit for high school graduation)
Grading System A-F; Course offered through Riverland Community College

This course is an introduction of basic statistical methods including sampling, analyzing a research study, measures of central tendency and dispersion, probability, confidence intervals, hypothesis testing of means and proportions, Chi-square, analysis of variance, correlation, and regression. The use of statistical software is included in this course. Prerequisite: Math 0660 or Math 0670 or qualifying score on placement test.

SPAN 2002 – INTERMEDIATE SPANISH II **Diploma with Distinction Course**

4 credits (1 credit for high school graduation)
Grading System A-F; Course offered through Riverland Community College

This course is designed for students who have completed Spanish 2001 or approximately three years of high school Spanish. Course content focuses on strengthening speaking, listening, reading and writing skills in Spanish in accordance with the standards of ACTFL (American Council of Teachers of Foreign Languages). Emphasis is placed on communicating ideas in conversation and composition. Cultural and literary materials will develop an awareness and understanding of the arts, customs, history, culture and literature of Spanish-speaking people and countries throughout the world. Extensive study creates a comparison of the cultural, social and linguistic differences and similarities. This course is 1 year and students will receive 4 college credits from Riverland.

AGRICULTURE/TECHNOLOGY EDUCATION

FFA is considered an integral part of the curriculum. Each student who enrolls in Agriculture classes is considered a member of the Hayfield FFA Chapter and may take part in many of the career development events, leadership opportunities, field trips, contests and recreational activities available through FFA and the Agriculture department.

STEM 6

(Semester) Grade 6 Required→**Student lab fee associated with this course.**
Reading = 1 Writing = 1 Homework = 1

This class is the first exploratory course in STEM. Students will be learning about the safe and correct methods for using woodworking tools and machines. Linear measurement is another concept that will be stressed in this class. Each student is required to have a tape measure for this class. Safety glasses may be purchased through the school.

STEM 7

(Semester) Grade 7 Required→**Lab fees will be assessed for this course.**
Reading = 1 Writing = 1 Homework = 2

This class is an exploratory course in STEM. This class will focus on a variety of topics that affect everyday society. A few of these topics will be bridges, rocketry, design process, and more. Within each unit they will gain information about the topic, and then experience making smaller scale models of the unit if applicable. Concepts of Science, technology, engineering, and math will be incorporated within each unit as well. Safety glasses may be purchased through the school if the need arises

AGRICULTURE 8

(Semester) Grade 8 Required
Reading = 1 Writing = 1 Homework = 1

This class will help prepare for life after high school by having fun exploring the diverse Agriculture areas of FFA, food science, agronomy, leadership, animal science, horticulture, mechanics, careers and the environment. Agriculture 8 is an introductory course designed to familiarize students with how Agriculture impacts our lives each and every day.

AGRICULTURE CARPENTRY

(.5 Credit, Semester) Grades 10-12 elective, offered 2019-2020. **Lab fees will be assessed for this course**
Reading=2 Writing=1 Homework=2

This class is to provide exposure and practice in the woodworking field and work towards completion of small projects. Topics that will be covered within this class, but not limited to, include: careers, wood selection for project type, wood tool use, finishing substances, fasteners and hardware etc. will be discussed about throughout the year. Students will also understand and practice safety in the shop setting.

AGRICULTURE CONSTRUCTION WOODS

(1 Credit, Full year) Grades 10-12 Elective, Offered 2018-2019. **Lab fees will be assessed for this course.**
Reading = 2 Writing = 1 Homework = 2 *Articulated with post-secondary "Tool Safety"

This course is designed to provide the student with the basic knowledge of all aspects of light wood frame construction including: framing, sheeting, roofing, windows and doors, exterior finish, interior wall finish, floor and ceiling finish. Also included will be a study of materials and tools used in construction. A storage shed will be constructed as the main project. If there is not a request for a storage shed, model homes will be constructed. Each student is required to have a tape measure and safety glasses. Safety glasses may be purchased through the school.

AGRICULTURE METALS AND MACHINING

Articulation Agreement: "Related Welding"
(1 Credit, Full year) Grades 10-12 Elective→**Lab fees will be assessed for this course.**
Reading = 2 Writing = 2 Homework = 2

This course in metalworking and machining teaches the fundamentals of working with metal, using both hand and power tools. Areas of interest that will be covered are welding, bench metalwork, milling, lathe work, measurement and the materials used in metalworking. Other topics may include print reading, precision measurement, safety, proper care of tools and machines. There will be student choice projects to build. Students will be responsible for obtaining and purchasing metal and other materials for projects. Each student is required to have a tape measure and safety glasses. Safety glasses are available through the school. A student should have a working knowledge of math, reading, and have mechanical interests.

ANIMAL SCIENCE – LARGE ANIMAL

(.5 Credit, Semester) Grades 11-12 Elective, Offered 2018-2019.
Reading = 2 Writing = 2 Homework = 2 *Articulated with post-secondary Livestock Production

This course will investigate scientific concepts relating to the biology of domestic animals (horses, cattle, sheep, poultry, and swine). Specific topics will include taxonomy and classification, cell structure and function, biological systems, anatomy and physiology, nutrition, genetics, reproduction, distribution and adaptation, selection and evaluation. Laboratory activities will provide opportunities for problem-solving through practical applications to learn scientific concepts. Animal rights and welfare issues will be covered. Application to current issues will also be explored. Leadership and Career Development opportunities for students through the FFA (an intra-curricular student group) will be presented. This class is great for any student who owns large domesticated animals or is interested in a career with animals.

ANIMAL SCIENCE – SMALL ANIMAL OR COMPANION

(.5 Credit, Semester) Grades 11-12 Elective, Offered 2018-2019.
Reading = 2 Writing = 2 Homework = 2

This course will investigate scientific concepts relating to the care of companion animals. Students will study the nutrition, safety, training, health, and general care of companion animals. The course will focus on dogs, cats, rabbits, birds, reptiles, guinea pigs, rodents, and fish. Laboratory activities will provide opportunities for problem-solving through practical applications to learn scientific concepts. Application to current issues will also be explored. Leadership and Career Development opportunities for students through the FFA (an intra-curricular student group) will be presented. This class is great for any student who owns a pet or is interested in a career with companion animals.

APPLICATIONS IN AGRICULTURAL ECONOMICS

(.5 Credit, Semester) Grades 11-12 Elective, Offered 2019-2020.
Reading = 2 Writing = 1 Homework = 2

It would be desirable, but not necessary, to have taken Agriculture classes prior to taking this class. This course will emphasize the basic role that agri-business plays on the local, state, national, and global economy. Some of the topics will include business accounting using a sample agri-business operation, analyzing cash flows, financial statements, market analysis, commodity futures trading, family living and budgeting. Computerized record keeping, database and spreadsheets will be addressed. The study of insurance will also be included: workman's compensation, liability, property, life and health. Through involvement in the FFA and this course, students will also be able to participate in such career development events as the "market plan" projects, the "commodity market challenge" and agribusiness management/sales. A combination of group and individual work will be expected. Use of guest speakers, field trips, and FFA career development events will be used as classroom/lab enrichments.

ENVIRONMENTAL SCIENCE

(.5 Credit, Semester) Grades 11-12 Elective, Offered 2019-2020.
Reading = 2 Writing = 2 Homework = 2

This course will investigate scientific concepts relating to the environment. S pecific topics will include the quality of water, soil, and air, land use and food production, conservation and forestry; as well as alternative energy and sustainability through practical applications to learn science concepts. Application to current issues will also be explored. Leadership and Career Development opportunities for students through FFA (an intra-curricular student group) will be presented occasionally.

EXPLORING AGRICULTURE

(1 Credit, Full year) Grade 9-10 Elective suggested, 11-12 grade may also take course with instructor's permission. **Lab fees will be assessed for this course.**
Reading = 2 Writing = 1 Homework = 2

Exploring Agriculture is open to all students, living in town or rural areas with an interest in the vast field of agriculture/agri-business. Considerable time will be spent studying careers in agriculture. Also within this class, it will break down and explore the different pathways that are within the agriculture field. These pathways include, Animal systems, Plant systems, agribusiness systems, environmental systems, food products and processing, power structure and Technology, plus more. You will also be introduced to FFA, parliamentary procedures, record keeping. Approximately one quarter of the year will be spent in the shop learning oxyacetylene and arc welding, plumbing, electricity and carpentry.

EXPLORING INDUSTRIAL TECHNOLOGY 9

(1 credit, Full year) Grade 9 elective, open to Upperclassmen upon instructor's approval, offered every year **Lab fees may be assessed for this course.**
Reading=2 Writing=1 Homework=2

With the world becoming more and more technologically based, this class is designed to expose students to the many different aspects of engineering and technology. From careers to understanding what it takes to develop a functional project, this class offers both hands on as well as critical thinking opportunities to appreciate the world around us. It will provide experience with planning, designing, and testing constructed projects. This course can also offer a glimpse into what is in store for us as technology progress.

HOME/AUTO CARE AND REPAIR

(.5 Credit, Semester) Grades 10-12 Elective →**Student lab fee will be assessed for this course.** Offered 2019-2020
Reading = 2 Writing = 2 Homework = 3

This course is designed to provide the student with basic knowledge and experience in performing basic home and auto repair and maintenance tasks. This class will cover such topics as fasteners, building materials, wall coverings, roof and gutters, doors and windows, cabinets concrete, wood finishes, and electrical. Other topics that will be covered in this class will include basic maintenance and understanding of vehicles.This class will be a combination of textbook learning and lab exercises. Each student is required to have a tape measure and safety glasses. Safety glasses may be purchased through the school.

HORTICULTURE

(.5 Credit, Semester) Grades 10-12 Elective →**Lab fees will be assessed for this course.**
Reading = 1 Writing = 1 Homework = 2

Students will study plant growth and development including plant anatomy, physiology, production, and reproduction. Students will have the opportunity to work in the greenhouse and implement knowledge learned. Students will also be able to identify popular horticultural plants. Holiday arrangements and landscaping concepts will be covered as well. Leadership and Career Development opportunities for students through FFA (an intra-curricular student group) will be presented.

LEADERSHIP

(.5 Credit, Semester) Grades 10-12 Elective offered 2018-2019
Reading = 1 Writing = 2 Homework = 2

It would be desirable, but not necessary, to have taken Agriculture I or II prior to this class. This course is designed for students who have an interest in developing their leadership skills. This class will be taught with a "hands on" emphasis. Topics that will be covered will include: parliamentary procedures, public speaking, job interviewing, and the option to complete FFA awards, such as proficiencies, state degrees and scholarships. Careers and skills required will also be studied.

ON-THE-JOB TRAINING

(2 Credits, Full year, 2 class periods) Grade 12 Elective
Prerequisite: Ag I and II, two semesters of Ag electives and either Leadership or Applications in Ag. Economics.
Reading = 1 Writing = 1 Homework = 1

On-The-Job Training is open to students who have completed two years of Agriculture education and are currently enrolled in either the Leadership or Business Management class and one other semester elective course offered (students need to be enrolled in a minimum of ONE elective agriculture course per semester). The student-trainee will have the opportunity to receive "hands-on" training in an area of their interest while working in an agri-business or farm operation. Students will be released from school for the first two periods, or the last two periods of the school day. Each student will need to work a minimum of 15 hours per week at his or her training station. Generally, OJT will be for the entire school year; however, the length can be adjusted with consent of the employer and supervising teacher. The student is also responsible for securing a job that has been approved before the start of the school year.

ON-THE-JOB TRAINING: CERTIFIED NURSING ASSISTANT PROGRAM

(1 Credit, Full Year, Offered 8th Hour) Grade 10-12 Elective (Must be 15 to take class, but 16 to pass certification exam)
Reading = 4 Writing = 3 Homework = 4

This course is taught concurrently through FieldCrest Care Center. The CNA coursework teaches basic nursing techniques and direct patient care under the supervision of a nurse. Learn how to provide ADL's (Activities of Daily Living) for elderly patients such as assisting with meals and bathing, taking vital signs, and learning medical reporting and documentation. This class is offered 8th hour and students must provide their own transportation to and from FieldCrest Care Center. This course is an excellent beginning course for any student interested in the medical field. Upon completion of this course, students will have to pass their clincials and CAN test to be certified.

PRE-ENGINEERING DESIGN **Diploma with Distinction Course**

(1 Credit, Full year) Grades 11-12 Elective
Reading = 2 Writing = 1 Homework = 2

This course will explore beginning CAD (through the predominant use of the CAD software SolidWorks) and design concepts of both machine design and architectural design. This class will concentrate on learning the basic command structure and drawing techniques used in CAD. Once understanding has been gained on the different commands that CAD has, there will be troubleshooting in the designs that are created to see what changes may be needed to made to the original design. This class will also deal with designing and troubleshooting aspects using materials and robotics.

SMALL ENGINES

(.5 credit, Semester) Grades 11-12
Articulated with Post-Secondary Colleges "Small Gas Engines" →**Lab fees will be assessed in this course.**
Reading =2 Writing = 1 Homework= 2

This course is designed for those who have little knowledge of how engines work. We will study the principles of 2 and 4 stroke gasoline engines through classroom and shop work. Engines will be provided for lab work. However, during the 2nd half of the semester you will be able to work on your own personal engines once labs have been completed. It is **strongly recommended** to enroll in this class before taking the Power & Equipment class (Multiple Cylinder/ Restoration class).

STEM APPLICATIONS

(1 Credit, Full year) Grades 10-11 Elective
Reading = 2 Writing = 2 Homework = 2

This course is designed to involve the student in using technology to learn and apply mathematical and physics concepts. Through the use of Robotics, remote control trucks, and other hands on activities, this will provide the opportunity to begin applying several math and physics concepts, as well as working with formulas, and problems to help determine efficiency, energy, power and various electrical computations for the use of machines found in our society. Students will have the opportunity to build and work on making a robot, but will also have to design it for it to be functional to perform certain tasks. Students would be involved in racing, constructing a track, and research on different aspects relating to the relationships between speed, time, distance, inertia, momentum, etc.

SUPERVISED AGRICULTURAL EXPERIENCE

(.25 Credit) Incoming 9th grade students – present 11th grade students
Prerequisite: **Must** be enrolled in Agricultural Classes for the upcoming year

This course is available to all incoming ninth through twelfth grade students. The course is recommended for students who are presently enrolled in agricultural classes or who are looking toward a career in the agricultural industry. This course allows students to design an individual education plan and pursue in-depth agricultural topics of the student's choice. Each student will need to complete 80 hours of instruction of which 25 hours must be experience through laboratory experiences and the rest as individual instruction. This course will take place during the summer months when school is **NOT** in session. Laboratory instruction will include but not limited to: Tours of Agricultural business, FFA Leadership camps, and community service projects, S.A.E. project records, judging contests associated with local county fairs & exhibiting projects planned and made through out of the school year. This class will be 100% laboratory experience outside of school. This course is intended for students to earn a quarter credit per summer enrollment on a pass/no credit system. Skills and experiences learned could help in future high school courses or education aspirations.

VETERINARY SCIENCE **Diploma with Distinction Course**

(.5 Credit, Semester) Grades 11-12 Elective, Offered 2019-2020.
Prerequisite: C or better in Animal Science – Large or Animal Science - Small
Reading = 2 Writing = 2 Homework = 2

Pre-Veterinary Science is the most advanced Animal Science course offered at Hayfield High School. This course blends concepts found in agriculture, science, math, and health. Student will gain a more extensive understanding of veterinary medicine through labs, class topics, and job shadowing with area veterinarians. Students looking to pursue a career in the human medical field would gain a different vantage point on skills and knowledge applied to animals.

WILDLIFE MANAGEMENT

(.5 Credit, Semester) Grades 11-12 Elective, Offered 2018-2019.
Lab fees will be assessed for this course.
Reading = 1 Writing = 2 Homework = 2

Students will study wildlife management to gain an understanding of the ecological, physical and environmental concepts pertaining to wildlife management. Decisions pertaining to how wildlife populations are managed will be studied through lab or hands on lessons. This course is also designed to allow students to develop an appreciation for all that Minnesota and the Midwest has to offer as it relates to forestry, wildlife and outdoor recreation. Students will have the opportunity to expand their own beliefs and values of the environment. In addition, historical points and current issues and concerns relating to environmental conservation will be stressed.

ART

ART 6
(Semester) Grade 6 Required
Reading = 1 Writing = 1 Homework = 1

Art 6 is an introductory course to the elements of art, principles of design, different media, and aesthetics. Students will be working on developing and exploring problem-solving skills. The main movements and ideas that will be covered are such things as perspective, color theory, measurements, proportions, pottery, gridding, and Pop Art.

ART 7
(Semester) Grade 7 Required
Reading = 1 Writing = 2 Homework = 1

Art 7 provides further study of the elements and principles of art as well as aesthetics. A strong emphasis will be placed on developing evaluation and interpretations skills. Students will do an art movement project that involves researching such movements as Surrealism, Impressionism, Expressionism, Abstraction, and Pop Art.

INTRODUCTION TO ART (A)
(1 credit, Full year) Grades 9-12 Elective
Reading = 1 Writing = 1 Homework = 1

Introduction to Art focuses on the detailed exploration of four main areas of artistic study: drawing, painting, ceramics and sculpture using a variety of mediums. Throughout the year, students will be expected to successfully apply the elements and principles of art in both production and critique. Projects will encourage students to explore their thoughts and feelings. There will also be an emphasis on developing interpretation skills and on students' evaluation methods. The idea is to get students to think like an artist and execute their ideas in their work. Students will be required to exhibit some of their work.

DRAWING (A)
(.5 Credit, Semester) Grades 10-12 Elective
Prerequisite: Introduction to Art
Reading = 1 Writing = 1 Homework = 1

In this course students will fine-tune their technical skills and eye for details. They will also work with still life, live subjects, and different media such as charcoal, pencil, color pencil, ink, etc. Different drawing techniques will be introduced or elaborated on such as blending, grids, contour line and blind contour line drawings. Though this course is geared mostly towards developing a student's technique and skill, instruction will also be placed on art criticism and evaluation.

GRAPHICS (A)
(1 Credit, Full year) Grades 10-12 Elective
Prerequisite: Introduction to Art
Reading = 1 Writing = 1 Homework = 1

This course establishes the foundation for learning visual design communication. Students will advance their artistic techniques and creativity through a wide variety of projects including creating layout designs, logos, certificates, commercial packaging, fashion, furniture, posters, computer design illustration, advertisement, and much more. Students will create a personal portfolio including both two dimensional and three dimensional works.

PAINTING (A)
(.5 Credit, Semester) Grades 10-12 Elective
Prerequisite: Introduction to Art
Reading = 1 Writing = 1 Homework = 1

In this course student will fine tune their painting skills and learn different techniques such as, wet on wet, dry brushing, washes, and using pallet knives. Students will also explore the different materials and mediums artists use. A large emphasis will be placed on color and color theory along with art criticism and evaluation.

INDEPENDENT ART I AND II (A) **Diploma with Distinction Course**

(.5 Credit, each semester) Grades 11-12 Elective
Prerequisite: Introduction to Art, Drawing, Painting, and Graphics
Reading = 1 Writing = 1 Homework = 1

Independent Art is an advanced course of study for students who did at least B- work in previous art classes. Students will be expected to write up a plan for their individual area of study to be approved by the instructor; therefore, students must be self-motivated, creative, and ambitious. Students are encouraged to experiment and develop innovative ideas to challenge their artistic abilities in the medium of their choice. This course could be taken for up to one year as long as the student continues to challenge his or her creative development through exploration and experimentation. Students will be required to participate in at least one art show and put together a portfolio of 6-8 pieces per Independent class.

BUSINESS EDUCATION

COMPUTERS 6

(1 Semester, every day) Grade 6 Required
Reading = 1 Writing = 2 Homework = 1
Time will be spent learning the keyboard using the touch system and then reinforcing that with drills to increase speed and accuracy. Basic applications using the MS Office software will be introduced. These will include typing letters, memos, reports, charts etc. MS Word, MS Excel, and MS PowerPoint will be used for application problems.

COMPUTERS 7

(1 Semester, every day) Grade 7 Required
Reading = 1 Writing = 2 Homework = 1

Time will be spent learning the keyboard using the touch system and then reinforcing that with drills to increase speed and accuracy. Basic applications using the MS Office software will be introduced. These will include typing letters, memos, reports, charts, flyers, etc. MS Word, MS Excel, and MS PowerPoint will be used for application problems. Students will also be exposed to basic HTML coding and a brief unit of Computer Science.

COMPUTERS 8

(1 Semester, every day) Grade 8 Required
Reading = 1 Writing = 2 Homework = 1

This course is designed to help the student integrate the use of the computer into daily life. Computers 8 will enable the students to learn new ways to improve the appearance of reports, letters, spreadsheets and other applications as the students do more advanced work than done previously. Document formats and skill development will be stressed. Additionally, this course will focus on appropriate and efficient use of current communication technologies including, but not limited to, the Internet, web sites, blogs, wikis, and podcasting. Many post-secondary schools and businesses are operating primarily with technology and this course will serve as an introduction to the tools that are now the norm in our society.

ACCOUNTING

(1 Credit, Full Year) Grades 10-12 Elective
Reading = 2 Writing = 1 Homework = 3

Personal use is one of the two main purposes for taking this course. Accounting will prepare you for the personal uses of record keeping. Business use is the other purpose for taking Accounting. Every type of business keeps records. Today, there are excellent career opportunities for bookkeepers and accountants. Whether you want to be a future business owner, a manager, or an accountant, this course will prepare you in the basics of accounting principles. Internet Access is required as the majority of the homework will be done online. **See introduction to BUSO 2641 APPLIED PRINCIPLES OF BOOKING for college credit (on page 7).**

ADVANCED ACCOUNTING

(1 Credit, Full Year) Grades 11-12 Elective
Pre-Requisite: Accounting I
Reading = 2 Writing = 1 Homework = 3

Advanced accounting is a second year course that builds upon what was learned in first-year accounting and would apply toward a student's future career and/or personal use. This course will be excellent for the student planning to enter business or accounting as a career.

This course is intended for the student who has one or more of the following objectives in mind:

- Want to know more about business procedures and records.
- Plan to go to college and major in any phase of business.
- Plan to seek employment as a bookkeeper/accountant after high school.
- Plan possible career in programming or working with computers in business.

Topics included in this course are: review of accounting principles; departmentalized accounting; accounting for the partnership and corporation; cost accounting; and managerial decision making. Internet Access is required as a majority of the homework is done online. **Students will have the option of taking this course in a traditional classroom setting or as an online course (see page 5).**

COMPUTER APPLICATIONS I

Articulation Agreements: "Keyboarding and Keyboarding for Computers"
(.5 Credit, Semester) Grades 9-12 Elective
Reading = 1 Writing = 2 Homework = 1

This course is a must in this age of computers. This semester will be spent on an Introduction to Adobe Photoshop and learning advanced applications of MS Word, MS Excel, and MS PowerPoint. Every effort is made to keep this course practical so we cover areas that students can use during their high school years, as well as their adult life. **Students may take as an online course (see page 5), also see BUSO 1620 Introduction to Computers for college credit on page 7.**

COMPUTER APPLICATIONS II

(.5 Credit, Semester) Grades 9-12 Elective
Prerequisite: Computer Applications I
Reading = 1 Writing = 2 Homework = 2

The first half of this class will be spent in the role of an administrative assistant as a simulation using Microsoft Office is completed. Desktop Publishing and basic movie creation will be studied the second half of the class. Students are limited only by their creativity in this class.

FINANCIAL AND MANAGERIAL ACCOUNTING **Diploma with Distinction Course**

(1 Credit, Full Year) Grades 11-12 Elective
Pre-Requisite: Accounting I
P/NC option available, see page 5
Reading = 4 Writing = 2 Homework = 4

Financial and Managerial Accounting uses an integrated approach to teach accounting. Students first learn how businesses plan for and evaluate their operating, financing and investing decisions and then how accounting systems gather and provide data to internal and external decision makers. This year-long course covers all the learning objectives of a traditional college level financial accounting course, plus those from a managerial accounting course. Topics include an introduction to accounting, accounting information systems, time value of money, accounting for merchandising firms, sales, and receivables, fixed assets, debt and equity. Other topics include statement of cash flows, financial ratios, cost-volume profit analysis and variance analysis.

MULTIMEDIA APPLICATIONS 1A and 1B (A)

(.5 Credit each Semester) Grades 11-12 Elective
Pre-Requisite: Computer Applications I and preferably Computer Applications II
Lab fees will be assessed for this course.
Reading = 2 Writing = 2 Homework = 2

This is a great class for anyone, regardless of professional goals but especially for those individuals who desire to use their creative talents and computer skills to design and develop unique projects. Students will work with various software programs and multimedia tools (digital camera, scanner, photo editing software, and video production software), to create documents, graphics, slide shows, and other video presentations. Students will be introduced to Audacity, Photo Story, Windows Movie Maker, Adobe Photoshop, Premier Pro, Encore, and other programs. Video projects such as a public service announcement and an informative video project will be created and the final project is the creation of the senior memory DVD.

MULTIMEDIA APPLICATIONS IIA and IIB (A)

(.5 Credit each Semester) Grade 12 Elective
Pre-Requisite: Multimedia Applications
Student lab fees will be assessed for this course.
Reading = 2 Writing = 2 Homework = 2

This class picks up where Multimedia Applications left off and is intended for the student who enjoys working with video and who wants to learn advanced video production techniques and/or intends to pursue video production or media broadcasting as a future career. Students in Multimedia Apps II will continue to work on individual video projects and will do advanced work in video and DVD creation. Students will do some script writing and continue using storyboarding in video creation. Students will also videotape school events and create DVDs for public sale. Students will do advanced work in Adobe Photoshop, Adobe Premier Pro, and Adobe Encore. Students will be expected to create their own video portfolio upon completion of this class.

WEB PAGE DESIGN

(.5 Credit, Semester) Grades 10-12 Elective
Pre-Requisite: Computer Applications I
Reading = 2 Writing = 2 Homework = 2

Internet applications and the history of the Internet will be explored through hands-on, self-paced instruction. Students will discover how to effectively complete an Internet search and will analyze websites for accuracy, ease of use, relevance, etc. Students will learn HTML and use a web page editor to design and construct web pages with graphics, tables, frames, and hyperlinks. Students will design and develop a personal web page.

BUSO 2641 - APPLIED PRINCIPLES OF BOOKKEEPING

Pre-requisite: Computer Applications I and Computer Applications II
3 Credits (1 credit for high school)
Grading System A-F; Course offered through Riverland Community College

This beginning level college course introduces the basic bookkeeping cycle. Topics include transaction analysis and recording. The full range of journals, financial reports, and current bookkeeping applications, such as QuickBooks, will be used. This course is part of the Associate in Applied Science Administrative Assistant degree which is accredited by the Accreditation Council for Business Schools and Programs (ACBSP).
This course is comparable to Hayfield High School's Accounting course.

BUSO 1620 - Introduction to Computers

2 Credits (1 credit for high school)
Grading System A-F; Course offered through Riverland Community College

This course covers basic information about computer hardware and the use of computer software as a business productivity tool, as well as for personal use. Topics covered include the operating system and desktop environment; file and folder management; introduction to spreadsheet procedures; introduction to database creation and file management, fundamental word processing concepts, and presentation graphics. Some basic computer literacy will be covered, such as e-mail etiquette, ethical computing, document attachment to e-mail and use of digital files.
This course is comparable to Hayfield High School's Computer Application I.

ENGLISH

ENGLISH 6
(Full Year) Grade 6 Required
Reading = 2 Writing = 2 Homework = 2

English 6 consists of the study of basic grammar and literature. Grammar concepts are covered through writing, assignments based on literature read in class, and various other activities. Reading material includes novels both fiction and non-fiction. Critical thinking skills are developed and independent thinking is encouraged through the analysis of materials read in class and other activities. Spelling and vocabulary are also covered to improve reading and writing skills.

ENGLISH 7
(Full year) Grade 7 Required
Reading = 2 Writing = 2 Homework = 2

English 7 consists of the study of basic grammar and literature. Grammar concepts are covered through the use of DOL, assignments based on literature read in class, and various other activities. Reading material includes poetry, short stories, and novels, both fiction and non-fiction. Critical thinking skills are developed and independent thinking is encouraged through the analysis of materials read in class and other activities. Spelling and vocabulary are also covered to improve reading and writing skills.

ENGLISH 8
(Full year) Grade 8 Required
Reading = 2 Writing = 2 Homework = 2

English 8 is designed to cover spelling, grammar, vocabulary, writing, literature, and some study skills. Grammar concepts are presented through Daily Oral Language, written activities, and various materials. Leveled spelling tests are given. Various reading materials are used to continue developing students' reading skills as preparation for the MCA-II test.

ENGLISH 9
(1 Credit, Full year) Grade 9 Required
Reading = 3 Writing = 3 Homework = 2

English 9 is an exploration of literature: drama, poetry, short story selections, and novel reading. In addition, students will develop reading and writing skills, speaking skills, and language skills using vocabulary enhancement packets, Greek and Latin roots, and a variety of other materials. A variety of writing experiences will continue to develop students' writing skills as preparation for the GRAD writing test taken in the spring of their freshman year. This mandated test must be passed as part of the state graduation requirements.

High School Literature Options

AMERICAN LITERATURE
(0.5 Credit, Semester) Grade 10 - 12
Reading = 3 Writing = 2 Homework = 3

This course will focus on landmark texts from a variety of genres including novels, plays, and poetry from throughout American history. Students will read, discuss, analyze, and respond to texts to understand how authors were influenced by and represented significant events in the United States. This course also provides several opportunities for cross-curricular learning with the American History classes. Possible texts could include historical documents, *To Kill a Mockingbird, Warriors Don't Cry, The Great Gatsby, Of Mice and Men, The Absolutely True Diary of a Part-Time Indian, The Crucible, A Raisin in the Sun,* selected works by Edgar Allan Poe, and various other poetry and short stories.

BRITISH LITERATURE
(0.5 Credit, Semester) Grade 10 - 12
Reading = 4 Writing = 2 Homework = 4

This course will include influential British texts including novels, poetry, and plays. Students will read, discuss, analyze, and respond to texts to develop an understanding and appreciation of classic British texts, many of which formed the foundation of what is considered "classic" literature and influenced our modern understanding of what makes great writing. Possible texts include: *The Canterbury Tales, Animal Farm, The Lord of the Flies,* various poems, and works by influential authors such as Jane Austen, Charles Dickens, and William Shakespeare.

WORLD LITERATURE
(0.5 Credit, Semester) Grade 10 - 12
Reading = 3 Writing = 2 Homework = 3

This course will focus on broadening students' perspectives by exposing them to literature from around the world. Selected readings will include both historical and modern texts. Students will read and respond to these texts to understand the the cultural, political, and personal contexts in which they were created. Possible texts include: *Night, The Odyssey, The Kite Runner, Between Shades of Gray,* and various myths, poems, and short stories from around the world.

NONFICTION LITERATURE
(0.5, Semester) Grade 10 - 12
Reading = 3 Writing = 2 Homework =34

This course will focus on developing skills for reading non-fiction effectively, including newspapers, technical manuals, contracts, research articles, biographies, and textbooks. This class is not designed as a remedial reading course. It is meant to prepare students with the day-to-day and college readiness skills they will need to be successful in the future, when most of the text they will encounter will be non-fiction. Possible texts include: *Anne Frank: The Diary of a Young Girl, Into the Wild, Warriors Don't Cry,* and various non-fiction articles and artifacts.

20TH CENTRUY LITERATURE
(0.5 credit, Semester) Grade 10 - 12
Reading = 3 Writing = 2 Homework = 3

This course focuses specifically on the last century of literature, when many of our modern-day classics were created. Students will read and respond to these texts to understand the various factors that influenced authors during this century of great change. This course also provides ample opportunities for cross-curricular collaboration with the history department, as students can compare the historical presentation of the facts to the stylized representation of events in literature. Possible texts include: *The Great Gatsby, The Catcher in the Rye, 1984, A Streetcar Named Desire, To Kill a Mockingbird, The Grapes of Wrath, Farewell to Manzanar,* Harlem Renaissance poetry, dystopian literature, and other selected texts.

High School Writing Options

CREATIVE WRITING
(0.5 credit, Semester) Grade 10 - 12
Reading = 2 Writing = 3 Homework = 3

This course will focus on the creation of creative writing such as poetry, short stories, and non-fiction narratives. Using model texts as examples, students will study and develop the style and technical skills of good writing in the form of creative texts.

RESEARCH WRITING
(0.5 Credit, Semester) Grades 10- 12
Reading = 2 Writing = 4 Homework = 3

This course will focus on research-based writing in the form of traditional research papers, persuasive research-based writing, and non-traditional research projects and presentations. Students will learn research skills, documentation procedures, argumentation, MLA format, grammar, and traits of good writing, using various non-fiction texts as writing models. This course will be especially useful for college-bound students to develop skills for writing at a college level.

BUSINESS/TECHNICAL WRITING
(0.5 Credit, Full year) Grades 10-12
Reading = 2 Writing = 3 Homework = 3

This course will focus on career-oriented writing. Students will learn how to write business letters, memos, résumés, cover letters, and other business-related writing. Focus will be on professional presentation, content, and etiquette in professional writing.

YEARBOOK
(1 Credit, Full year) Grades 10-12 Elective
Reading = 3 Writing = 3 Homework = 4 (photography assignments)

In this course, students will have the opportunity to work hands-on in creating the school yearbook. Students will also learn the basics of photography and journalism. Many skills such as planning, organizing, advertising, writing, editing, designing layouts, and proofreading will be taught. Each student will have the chance to experience various aspects in the creative process and will earn a credit while capturing key moments at HHS. Due to the amount of writing and editing, students wishing to take Yearbook must have approval from current English teachers. Students with a creative eye in photography, or looking to develop one, are also encouraged to sign up for this course.

College Credit Options

ENGL 1117 – Reading and Writing Critically I **Diploma with Distinction Course**
4 credits (0.5 credit for high school graduation)
Reading = 4 Writing = 4 Homework = 4

This course introduces students to various writing strategies for both single and multiple-source essays. By critically reading and responding, students will practice expository, analytical, and persuasive modes of communication to develop critical thinking and writing skills, culminating in limited research projects.

ENGL 1118 – Reading and Writing Critically II **Diploma with Distinction Course**
4 credits (0.5 credit for high school graduation)
Reading = 4 Writing = 4 Homework = 4

This course English 1118 continues the development of writing skills begun in ENGL 1117 and concludes with emphasis on writing from multiple sources. This course fosters a deeper appreciation of language and literature by having students read, examine, and respond to a variety of literary works. A particular focus of this course is the development of the crucial skill of critical interpretation. Emphasis on the relationship between form and content will help students to formulate opinions and responses, forming the basis for their analytical and artistic judgments. Students will examine external resources, develop additional critical thinking skills, and analyze and synthesize texts by combining documented and textual evidence in a major research project. Recommended Entry Skills/Knowledge: College level reading and writing skills.

FAMILY AND CONSUMER SCIENCES

FACS 7
(Semester) Grade 7 Required
Reading = 1 Writing = 1 Homework = 2

This co-educational course is designed to familiarize students with themselves in regard to grooming skills and making a positive impression. Basic responsibilities related to families, childcare, organizing living space, and personal nutrition choices are also covered. Sewing construction and food preparation allow students to work effectively in lab situations.

FACS 8
(Semester) Grade 8 Required
Reading = 2 Writing = 1 Homework = 2

This co-educational course explores career choices and their effect on personal goals and values. Simulations include creating an adult budget and making wise consumer choices. Students complete a sewing project and analyze food advertising while using proper food preparation techniques to create personal nutritional guidelines.

COLLEGE AND CAREERS
(.5 Credit, Semester) Required sometime during Grades 10-12
This course is all about YOU and your future as an adult. During the semester, we will explore your post-secondary and career options by using multiple computer programs and websites. Compare colleges and schedule visits to those that may offer what you are looking for. Fill out applications, explore financial aid possibilities, write scholarships and college essays and review study habits. Develop strategies to balance multiple roles of a college student including finances, friendships, learning strategies, resource management, etc. Listen to college students as they share their experiences and advice on roommates, extra-curricular fun, and what to save from high school.

CHILD DEVELOPMENT & PARENTING
Articulation Agreement: "Foundations of Child Development"
(.5 Credit, Semester) Grades 10-12 Elective
Reading = 1 Writing = 1 Homework = 2

The course has been designed to trace the developmental stages of childhood from conception through early childhood. Learn through observation and create a book on physical, social, emotional, and intellectual growth patterns of the child. Examine the role of parenting as a choice and lifelong commitment and explore the impact of parental guidance on a child's development.

HOSPITALITY, TOURISM AND RECREATION **Diploma with Distinction Course**
(.5 Credit, Semester) Grades 10-12 Elective
Reading = 1 Writing = 2 Homework = 2

Hospitality Tourism & Recreation is a project-based course designed to introduce the student to the various aspects of the hospitality industry. The hospitality industry is the third largest employer in the nation and has ties to the rest of the world. This class is designed to give the student basic skills and knowledge needed in lodging, recreation, travel and destination planning, event planning, sports entertainment and management, and theme park/exhibition occupations.

FASHION DESIGN
(.5 Credit, Semester) Grades 9-12 Elective
Reading = 2 Writing = 2 Homework = 2

Discover the world of fashion and enter a world of beauty, style, and promotion. Discuss the history of clothes, the apparel industry, the science and art of apparel and design, and the marketing of clothes. Try your hand at designing and marketing a fashion item or accessory. **Students will have the option of taking this course in a traditional classroom setting or as an online course (see page 4).**

FOODS I

(.5 Credit, Semester) Grades 9-12 Elective, **Lab fee may be assessed for this course.**
Reading =1 Writing = 1 Homework = 2

Become familiar with the basic food principles and food preparation for a crowd or for one. Students should be able to better plan, prepare, and serve foods after serving Thanksgiving dinner. Another unique opportunity allows the student to plan, construct, and decorate a gingerbread house for Christmas. Topics emphasized throughout the course include safety precautions, consumer cost comparisons, small appliance use, and proper storage and handling techniques.

FOODS II

Articulation Agreement: "Basic Cooking Principles"
(.5 Credit, Semester) Grades 9-12 Elective
Prerequisite: Foods or Instructor's Consent
Reading = 2 Writing = 1 Homework = 2

Examine the history of American foods through preparation of foreign foods. Evaluate the impact of science and technology on the food supply and participate in advanced food preparation. Cooking, health, and storage tips connect science basics to your daily encounter with foods.

FOODS III **Diploma with Distinction Course**

(1 credit, full year) Grades 11-12
Prerequisite: Foods 2
Reading = 3 Writing = 2 Homework = 3

Foods 3 is an in-depth study of the food industry, including restaurant and hospitality careers, restaurants as a business, and the continuing study of culinary arts. Student will participate in the "running" of a restaurant and multiple cooking labs. This is an intensive college level class where students can earn a ProStart National Certificate of Achievement (COA). Earning the COA can give you a leg up in your job search, and opens the door to collegiate opportunities. Numerous restaurant, food service and hospitality programs offer benefits to ProStart graduates. These benefits include scholarships, class credits and credit towards work experience requirements. To earn the ProStart National COA, a student must pass "The Foundations of Restaurant Management and Culinary Arts" Level 1 and Level 2 exams, document 400 hours of work experience and demonstrate proficiency on more than 50 workplace competencies. Work experience can come from paid jobs, school-based enterprises or relevant volunteer work.

FSCI 1000 Principals of Food Science **Diploma with Distinction Course**

4 credits (0.5 credit for high school graduation)
Grading System A-F; Course offered through Riverland Community College

This course will include an overview of scientific principles applied to food systems and will cover chemistry & composition, nutrition & health, and sensory evaluation of foods. An overview of the food industry including an examination of the farm-to-fork movement based on both US and global food production and processing systems will be performed. Review of current food trends including organic, natural and other traditional/conventional vs. emerging/newer foods will be undertaken. Exploration of how animal/plant commodities are processed into finished foods will supplement discussion of diverse food industry careers prior to delving into modular topics. A special emphasis on real-world, creative problem solving will provide students with skills helpful in pursuing careers in research & development, plant operations, or business & entrepreneurship. The use of innovation and design thinking skills to enhance learning outcomes through academic and industry environments are included.

PERSONAL HEALTH & NUTRITION

(.5 Credit, Semester) Grades 10-12 Elective
Reading = 2 Writing = 2 Homework = 2

Personal health management and nutrition are in the daily news. Gain the knowledge to evaluate personal dietary practices and their influence on your health maintenance and disease prevention. Explore nutritional foods, diets, and preparation methods through cooking labs. **Students will have the option of taking this course in a traditional classroom setting or as an online course (see page 5).**

STRESS MANAGEMENT - Lab fee may be assessed for this course.

(.5 Credit, Semester) Grades 9-12 Elective
Reading = 1 Writing = 1 Homework = 1

Student life can be as stressful as life at the office. Stress may be a good motivator, but once there's too much, it can cause problems. When this happens, there is a need to reduce the stress levels and we will explore the many ways of doing just that. Personal interests and hobbies are pursued mainly for pleasure and are excellent stress busters. Students will help create their own curriculum by exploring and choosing stress free activities that they enjoy – including, but not limited to crafts, collecting, gardening, games, outdoor living, yoga, etc. **Students will have the option of taking this course in a traditional classroom setting or as an online course (see page 5).**

TEACHER ACADEMY

(.5 credit, 1st semester) Grades 10-12 Elective
(.5 credit, 2nd semester online) Grades 10-12 Elective
Reading = 1, Writing = 3, Homework = 1

Teacher Academy offers students interested in the education profession a place to explore with hands-on activities and in-class discussion. Learn about the cognitive abilities of different age groups and also about trends in education. Put this knowledge to use planning and implementing lessons within a classroom with a teacher/mentor. Teach at different grade levels and different subjects to find what is the best fit for you.

Second semester - If you find that this is something you enjoy, continue with a teacher/mentor and be responsible for lesson plans and delivery within the classroom.

FOREIGN LANGUAGE

SPANISH 8
(Semester) Grade 8 Required
Reading = 1 Writing = 1 Homework = 2

Spanish 8 will introduce the Spanish language to the 8th grade student. It will prepare the learners for Spanish 1, which is offered in high school. The four basic language skills (reading, writing, listening, and speaking) are emphasized. Basic conversation, cultural concepts, and a select number of vocabulary words will be covered.

SPANISH I
(1 Credit, Full year) Grades 9-12 Elective
Reading = 1 Writing = 1 Homework = 2

This course serves as an introduction to the Spanish language and culture. Presentation of basic grammar and vocabulary, practiced through oral and written exercises and activities. Present indicative tense will be covered.

SPANISH II
(1 Credit, Full year) Grades 10-12 Elective
Prerequisite: Spanish I
Reading = 1 Writing = 1 Homework = 2
This course begins with a brief review of Spanish I. Spanish grammar and vocabulary are practiced through oral and written exercises and activities. Present, future, and past tenses will be covered.

SPANISH III **Diploma with Distinction Course**
(1 Credit, Full year) Grades 11-12 Elective
Prerequisite: Spanish II
Reading = 1 Writing = 2 Homework = 2
This course begins with a brief review of Spanish II. New grammar and vocabulary are introduced and practiced. Reading will be emphasized and Spanish-speaking skills stressed in order to develop proficiency in Spanish. **See SPAN 2001 – INTERMEDIATE SPANISH I for college credit (Page 9).**

Spanish IV **Diploma with Distinction Course**
(1 Credit, Full year) Grade 12 Elective
Prerequisite: Spanish III
P/NC option available; see page 5
Reading = 2 Writing = 2 Homework = 3
Students will review and further develop Spanish grammar and vocabulary knowledge by reading short stories and journal writing. Spanish speaking skills will be stressed to further develop proficiency in Spanish. Most verb tenses will be introduced. **See SPAN 2002 – INTERMEDIATE SPANISH II for college credit. (Page 9)**

SPAN 2001 – INTERMEDIATE SPANISH I **Diploma with Distinction Course**
4 credits (1 credit for high school graduation)
Grading System A-F; Course offered through Riverland Community College

This course presents a comprehensive review and continued development of speaking, listening, reading and writing skills in accordance with the ACTFL (American Council of Teachers of Foreign Language) standards. It includes special emphasis on communicating ideas in conversation and in writing in order to increase proficiency. Cultural materials develop an awareness and understanding of the arts, customs, history, culture and literature of Spanish-speaking people and countries throughout the world. This study creates a comparison of cultural, social and linguistic differences and similarities. This course also explores how the ideas and values of Spanish-speaking cultures are expressed in the arts and humanities within a social and historical context. This course is intended for students who have successfully completed two years of high school Spanish. This course will be one year and students can receive 4 credits through Riverland.

SPAN 2002 – INTERMEDIATE SPANISH II **Diploma with Distinction Course**

4 credits (1 credit for high school graduation)
Grading System A-F; Course offered through Riverland Community College

This course is designed for students who have completed Spanish 2001 or approximately three years of high school Spanish. Course content focuses on strengthening speaking, listening, reading and writing skills in Spanish in accordance with the standards of ACTFL (American Council of Teachers of Foreign Languages). Emphasis is placed on communicating ideas in conversation and composition. Cultural and literary materials will develop an awareness and understanding of the arts, customs, history, culture and literature of Spanish-speaking people and countries throughout the world. Extensive study creates a comparison of the cultural, social and linguistic differences and similarities. This course is 1 year and students will receive 4 college credits from Riverland.

MATH

6th	7th	8th	9th	10th	11th	12th
Math 6	Pre-Algebra	MS Algebra	HS Algebra	Adv. Algebra	Geometry	College Algebra Stats
Pre-Algebra	MS Algebra	HS Algebra	Adv. Algebra	Geometry	College Algebra	Stats

Note: If a student wishes to "double-up" on math classes during a single school year (in order to get into the more advanced math classes offered at Hayfield High School), it is strongly recommended by the department that the student register for Advanced Algebra and Geometry together after successful completion of Algebra and upon teacher recommendation.

MATH 6
Reading = 1 Writing = 1 Homework = 2

Math 6 is designed to transition students successfully into the middle school mathematics environment. Students will focus on improving their problem-solving skills as well as their mental math and estimation skills using whole number operations. The course curriculum includes performing basic operations using whole numbers, fractions, and decimals along with solving equations involving a variable.

PRE-ALGEBRA
(Full year) One Math course required for Grade 7
Reading = 1 Writing = 1 Homework = 2

This course strengthens the use of whole numbers, decimals, fractions, and mixed numbers in problem solving. Rational numbers, integers, and algebraic concepts are introduced. Other topics include using data and statistics, graphs, ratios, proportions, percent's, shapes, measurements, area, and probability.

ALGEBRA
(Full year) One Math course required for Grade 7
Reading = 1 Writing = 1 Homework = 3

Pre-Algebra is an accelerated seventh grade course for outstanding math students. Students will be screened for admittance. This course will provide the students with an introduction to basic algebra concepts. The main topics covered will include: adding and subtraction integers, simplifying numerical and algebraic expressions, solving one variable equations, solving inequalities, graphing linear equations, solving square roots, and simplifying polynomials. We will also be reviewing concepts such as fractions, ratios, percent's, proportions, probability, data analysis, perimeter, area, and volume.

HS ALGEBRA
(1 Credit, Full year)
Prerequisite: C or better in Algebra 7 or recommendation of instructor
Reading = 1 Writing = 1 Homework = 3

Algebra covers the following topics: algebraic patterns, algebraic order of operations, equations, proportional reasoning and statistics, linear functions, inequalities and absolute value, systems of equations and inequalities, exponents and exponential functions, polynomials and factoring, rational function, radical functions and coordinate geometry, probability, and functions and transformations. **If taken in 8th grade, this course counts toward graduation requirements.**

ADVANCED ALGEBRA
(1 Credit, Full year) Grades 9-12
Prerequisite: Passing grade in HS Algebra 8 and or HS Algebra
Reading = 1 Writing = 1 Homework = 3

Advanced Algebra is an in-depth continuation of Algebra. Some time will be spent on linear equations; however, quadratics and higher order polynomials will represent the bulk of the material. Topics include: Linear Equations, Linear Inequalities, Quadratic Equations, Quadratic Inequalities, Factoring, Matrices, Systems of Equations, Systems of Inequalities, Linear Programming, Exponential Functions, Logarithmic Functions, Growth and Decay, and an Introduction to Trigonometry.

GEOMETRY

(1 Credit, Full year) Grades 10-12
Prerequisite: Passing grade in Advanced Algebra
Reading = 1 Writing = 1 Homework = 2

Geometry is a branch of mathematics that investigates shapes, size, and position of figures, and the study of space. This course will cover the following topics: points, lines, planes, angles, deductive reasoning (proofs), parallel lines, congruent triangles, quadrilaterals, similar polygons, right triangles, circles, areas of plane figures, areas and volumes of solids, coordinate geometry, and transformations. Lecture will be the primary method of instruction for this course.

MATH INTERVENTIONS 7-12 (ALEKS)

(1 Credit) Grades 9-11
This course is not included in Cumulative GPA calculations.
Reading = 2 Writing = 0 Homework = 0

Students identified as needing additional math instruction based upon academic performance and teacher recommendation will be registered for this math course in place of their regularly scheduled math course. Course content will be individualized using the online ALEKS instructional program.

COLLEGE ALGEBRA/TRIGONOMETRY **Diploma with Distinction Course**

(1 Credit, Full year) Grades 11-12 Elective
Prerequisite: C- or better in Geometry
Reading = 1 Writing = 1 Homework = 4

College Algebra/Trigonometry is a course designed to further develop the skills and procedures learned in Advanced Algebra and to prepare the student for further study of mathematics. This course covers the basics of college level algebra emphasizing understanding of the basic principles through investigation. The topics covered range from a basic algebra review to exploration of linear, quadratic, exponential, and logarithmic functions along with a study of rational expressions, inverse relations, function operations, complex numbers, and systems of equations. Trigonometry builds on the computational, problem solving, and graphing skills learned in previous math courses. The topics covered in this course include trigonometric ratios, functions, graphs, identities, equations, inverse trigonometric functions, solution of the general triangle and other applications, conic sections, polar coordinates, and complex numbers. **See MATH 1110 COLLEGE ALGEBRA & MATH 1120 TRIGONOMETRY for college credit. (Page 9)**

STATISTICS **Diploma with Distinction Course**

(1 Credit, Full year) Grades 12 Elective
Prerequisite: C- or better in College Algebra or recommendation of instructor
Reading = 2 Writing = 1 Homework = 4

This course is an introduction of basic statistical methods including sampling, analyzing a research study, measures of central tendency and dispersion, probability, confidence intervals, hypothesis testing of means and proportions, Chi-square, analysis of variance, correlation, and regression.

CALCULUS

(1 Credit, Full year) Grade 12 Elective
Prerequisite: C- or better in Pre-Calculus
P/NC option available; see page 5
Reading = 2 Writing = 1 Homework = 4

This course offers the student an introduction to calculus. It is a continuation of the study of mathematics for college-bound students. Topics included for the year will be those expected to be studied in a collegiate Calculus I course: Limits, Continuity, Derivatives, Techniques of Determining Derivatives, Applications of the Derivative, Introductory Integrals, and the Derivatives and Integrals of Exponential, Logarithmic and Trigonometric Functions. A graphing calculator is required for this course, as most colleges and universities now expect students to have their own graphing calculator AND know how to use it on the first day of class. **Students must pass the Accuplacer exam to qualify for this course.**

MATH 2021 – FUNDAMENTALS OF STATISTICS **Diploma with Distinction Course**

4 credits (1 credit for high school graduation)
Grading System A-F; Course offered through Riverland Community College

This course is an introduction of basic statistical methods including sampling, analyzing a research study, measures of central tendency and dispersion, probability, confidence intervals, hypothesis testing of means and proportions, Chi-square, analysis of variance, correlation, and regression. The use of statistical software is included in this course. Prerequisite: Math 0660 or Math 0670 or qualifying score on placement test.

MUSIC

JUNIOR HIGH CHOIR

(Full year) Grades 7-8 Elective
One music class is required in 7th and 8th grade
Reading = 1 Writing = 1 Homework = 2

The Junior High choir is open to any 7th-8th grader who wants to enroll. Choir goals include improving the students singing skills and ability to read music. Choir members will have experience singing two and three-part music in a variety of styles. The choir performs at three concerts throughout the year and participates in a choir festival. Grades are based on daily participation, written work, and performances.

JUNIOR HIGH BAND

(Full year) Grades 7-8
One music course is required in 7th and 8th grade
Reading = 2 Writing = 2 Homework = 3

The Junior High Band is open to all students who have completed Sixth Grade Band, the equivalent of Sixth Grade Band or at the director's discretion. The band meets three days each week for 45 minutes. The band performs at two concerts throughout the year. Attendance at these two concerts is mandatory. Grades are based primarily on the student's group or individual lessons, which are given each week.

CONCERT CHOIR (A) **Diploma with Distinction Course**

(1 Credit, Full year) Grades 9-12 Elective
Reading = 1 Writing = 1 Homework = 2

This choir is open to all students 9-12 with the discretion of the director. This class meets five days a week. Its focus is high-level music performance and development of high-level choral skills. Students in this group also have the opportunity to participate in small group contest and will perform as a large group at the MSHSL Large Group contest. Students will work to improve their vocal technique in the areas of part-singing, posture, breathing, tone production, diction, and sight singing. Students will sing from a variety of styles including pop, musical theater, spiritual/gospel, folk, and classical. Grades for each quarter are based on daily participation, written work, voice lessons, and performances. Private or small group lessons are offered to all students in Concert Choir.

SENIOR HIGH BAND (A) **Diploma with Distinction Course**

(1 Credit, Full year) Grades 9-12 Elective
Reading = 2 Writing = 2 Homework = 3

This class meets five times a week. Individual or small group lessons are offered to each student each week during the school year. Three concerts, pep band, marching band, solo and small ensemble contest participation, and other performances may be required throughout the school year. Students interested in participating in Senior High Band must have successfully completed consecutive previous years of band instruction or the equivalent or at the discretion of the instructor.

PHYSICAL EDUCATION/HEALTH

The purpose of these courses is to examine and increase knowledge of healthy living. A major goal is for each student to take personal responsibility for their health and well-being while making healthy changes that will carry throughout their lifetime.

PHYSICAL EDUCATION

All physical education classes are co-educational. Physical education courses will improve on the mental/emotional, physical, and social aspects of living a healthy life. Students will be introduced to the fundamentals of both team and individual sports; which will include skills, rules and regulations, game strategy, and sportsmanship. Games and skills will vary from grade to grade, building from year to year.

HEALTH 6

(Semester) Grade 6 Required
Reading = 2 Writing = 1 Homework = 1

HEALTH 8

(Semester) Grade 8 Required
Reading = 3 Writing = 2 Homework = 2

This course is based on goal setting, decision making, and the wellness wheel. The 7 components of the wellness wheel will be explored as well as have goals formed for them.

HEALTH 10

(.5 Credit, Full year every other day) Grade 10 Required
Reading = 3 Writing = 2 Homework = 2

This course will revisit and build off of the topics covered in Health 8. Other topics that will be covered are current teen issues, sexual education, growth and development, and health advocacy. Physical Health topics will mesh with Physical Education class wherever possible.

PHYSICAL EDUCATION 6

(All year) Grade 6 Required
Reading = 1 Writing = 1 Homework = 1

PHYSICAL EDUCATION 7

(Semester every day) Grade 7 Required
Reading = 1 Writing = 1 Homework = 1

PHYSICAL EDUCATION 8

(Semester every day) Grade 8 Required
Reading = 1 Writing = 1 Homework = 1

PHYSICAL EDUCATION 9

(.5 Credit, Semester every day) Grade 9 Required
Reading = 1 Writing = 1 Homework = 1

PHYSICAL EDUCATION 10

(.5 Credit, Full year every other day) Grade 10 Required
Reading = 2 Writing = 2 Homework = 1

LIFETIME FITNESS

(1 Credit, Full year) Grade 11-12 Elective
Reading = 2 Writing = 2 Homework = 1

This course will focus on strength and conditioning. Students will explore different fitness programs throughout the course. Students will work on developing a lifelong healthy lifestyle that students can carry with them after the course.

ADVANCED LIFETIME FITNESS

(1 Credit, Full year) Grade 12 Elective
Pre-Requisite: Lifetime Fitness
Reading=2 Writing=2 Homework=2

This course will build off the principles and techniques of Lifetime Fitness. Students in Advanced Lifetime will explore work out programs in more depth and work on creating their own plan catered to their fitness goals. This course will coincide with Lifetime Fitness, and involve teaching, demonstrating, and critiquing the form and programs of others.

SCIENCE

SCIENCE 6
(Full Year) Grade 6 Required
Reading = 2 Writing = 2 Homework = 2

Students will explore the fundamentals of science inquiry, engineering, and other concepts of our chemical and physical world. Students will examine in detail the structure of the atom, and will determine how law of motion effect our world. The physics portion of the course will allow students to explore how scientific inquiry and curiosity led to discoveries in gravity, forces, momentum, and energy.

LIFE SCIENCE 7
(Full year) Grade 7 Required
Reading = 2 Writing = 2 Homework = 2

A course in basic life science designed to give the student an appreciation of life and living things. The course begins with the scientific method and moves to the study of the relationship between organisms and their environment. Next, we study the structure and function of cells. We finish by studying the anatomy and functions of the human body.

EARTH SCIENCE 8
(Full year) Grade 8 Required
Reading = 2 Writing = 2 Homework = 2

Earth Science involves the study of nature's laws governing the natural environment. Specific topics to be studied will include space, weather, fossils, earthquakes, oceans, erosion, and plate tectonics. This class will include parts of the sciences of geology, oceanography, meteorology, and astronomy.

EARTH SYSTEMS 9
(.5) Credit, Semester) Grade 9 Required
Reading = 2 Writing = 3 Homework = 2

Earth Systems 9 is a semester course that will visit how the five spheres of Earth (biosphere, atmosphere, geosphere, cryosphere, and hydrosphere) work together as a system to sustain the planet. Units will emphasize the biosphere's interaction with the Earth in terms of climate change, topography, geologic processes, and the surrounding universe. Course work will consist of lecture, collaborative learning, research, and individual/group presentations.

PHYSICAL SCIENCE 9
(1 Credit, Full year) Grade 9 Required
Reading = 2 Writing = 2 Homework = 2

Physical Science 9 is a 1 credit course that will explore the fundamentals of science inquiry, engineering, and other concepts of our chemical and physical world. Students will examine in detail the structure of the atom, and will determine how this structure leads to an element's reactivity. The physics portion of the course will allow students to explore how scientific inquiry and curiosity led to discoveries in gravity, forces, momentum, and energy. Within each unit students will formulate ideas about engineering, technology, and cultural influence in science.

BIOLOGY
(1 Credit, Full year) Grade 10 Required
Reading = 2 Writing = 2 Homework = 2

Biology is the study of living things. This course studies ecology, cells, genetics, microorganisms, plants, and human biology. Biology informs students on general aspects of living things and provides hands on activities to enrich the ideas. This course prepares students for post high school studies. Cooperative learning and lab work are a big part of this course.

ALL STUDENTS MUST TAKE EITHER CHEMISTRY OR APPLIED CHEMISTRY PRIOR TO GRADUATION.
Students will be placed on department recommendation.

APPLIED CHEMISTRY

(1 Credit, Full year) Grades 11-12 Required
Reading = 2 Writing = 2 Homework = 3

Students in applied chemistry cover the same topics as in chemistry, with the addition of food science. Topics are covered at a slower pace with additional instruction. Students must be recommended by the school counselor and the science department prior to registering for this course. This course of chemistry is required for graduation.

CHEMISTRY

(1 Credit, Full year) Grades 11-12 Required
Reading = 2 Writing = 2 Homework = 3

Chemistry is a course in which students study and observe the properties of matter. Students will learn through lectures and laboratories. Topics covered include: atomic structure, common elements and the periodic table, stoichiometry, gas laws, and acids and bases. This course is a very good introduction to innovative thinking expected at the college level. This course is required for graduation.

ADVANCED CHEMISTRY **Diploma with Distinction Course**

(1 Credit, Full year) Grade 12 Elective
Prerequisite: C+ or better in Chemistry
Reading = 4 Writing = 1 Homework = 3

This course will further expand concepts and theories discussed in Chemistry. This course will be an introduction to organic and physical chemistry. Organic chemistry explores functional groups of compounds, what they do and how they react. In physical chemistry students will learn about chemical bonds, entropy, electro-chemistry, and many other topics. A course suggested for people interested in a future in medicine or science. This course is designed as a college-level course. At the end of the course, students will have the opportunity to take the AP Chemistry Exam.

ANATOMY/PHYSIOLOGY

(1 Credit, Full Year) Grades 11-12 Elective
Prerequisite: C or better in Biology
P/NC option available; see page 5
Reading = 2 Writing = 2 Homework = 3

This rigorous course will take an in-depth look at the human body. We will look at a single cell and describe the functions of the organelles. We will work to larger components, organs, and organ systems. The students will be required to know most bones and muscles of the human body. There will be corresponding, dissections to further student understanding.

BIOL 1220: GENERAL BIOLOGY I

4 Credits (.5 credit for high school)
Grading System A-F: Course offered through Riverland Community College, course offered first semester

This course is one of two introductory courses in biology. It is a cellular-based approach to the foundational principles of biology, and it addresses basic life processes at molecular, cellular, tissue, and organismal levels, principles of evolution, and interactions among organisms. (Prerequisites: None). (4 C/3 lect, 2 lab). MNTC: Goal 3/Natural Sciences, Goal 10/People and the Environment.

BIOL 1230: GENERAL BIOLOGY II

4 Credits (.5 credit for high school)
Grading System A-F: Course offered through Riverland Community College, course offered second semester

This course is one of two introductory biology courses. It is an organism-based study of the diversity of living organisms including the structure and function of organisms to incorporate how they carry out basic life processes (e.g., gas exchange, nutrition). Students study the comparative anatomy and physiology and the evolutionary history and relationships among organisms, addressing key adaptations to survival of selected organisms. (Prerequisites: None). (4 C/3 lect, 2 lab). MNTC: Goal 2/Critical Thinking, Goal 3/Natural Sciences.

ASTRONOMY

(.5 Credit, Semester) Grades 11-12 Elective
Reading = 2 Writing = 1 Homework = 3

This course will further explore basic understandings of astronomy learned in 8th and 9th grade. Students in this course will build rockets, explore theories surrounding the beginning of the universe, and learn how to use telescopes. Students will also explore such topics as: solar systems, black holes, and galaxies. Students would be required to engage in 3 night viewings using the school's telescope.

BIO-ETHICS

(.5 Credit, Semester) Grades 11-12 Elective, Offered spring semester only. Offered 2019-2020
Prerequisite: Biology
Reading = 2 Writing = 2 Homework = 2

A discussion type of class providing students the opportunity to explore their own feelings and personal values in a variety of ethical issues in biology including: environmental issues, abortion, genetic engineering, animals in research, euthanasia, addiction, basis of behavior, population problems, etc. Every student will be required to write a research paper and present for one day to the class.

FORENSICS

(.5 Credit, Semester) Grades 11-12 Elective
Reading = 2 Writing = 2 Homework = 2

This course introduces the fundamentals of forensic science. Class periods will focus on the historic development of forensic science, proper collection and storage of evidence, background in scientific concepts, scientific techniques used to analyze evidence, the types of information that can be obtained, and the statistical methods for making a case in a court of law. Some topics that may be covered include hair, drug, paint, fiber, and fingerprint, accelerant, or DNA analysis. Student's final exam will involve re-enacting a crime scene.

PHYSICS **Diploma with Distinction Course**

(1 Credit, Full year) Grades 11-12 Elective
Prerequisite: Advanced Algebra
P/NC option available; see page 5
Reading = 2 Writing =2 Homework = 4

Physics is a college prep class that explains the "why" and "how" of natural phenomenon. It is an intense course that involves the areas of force, buoyancy, projectiles, motion, work, power and simple machines, electricity, and magnetism. Hands-on experience is gained through class projects and competitions.

SOCIAL STUDIES

TRANSITIONS

Transitions, a course for incoming 7th grade students that will attempt to ease the transition from elementary school into the high school. This course helps young people learn how to deal with the challenges of our complex society by offering positive growth experiences and teaching specific coping skills. Structured study time will also be scheduled in this course. The course focuses on the following topics as well as others: Introduction to the High School (rules, policies, staff, etc.), Study Skills, Organization, Service Learning, Building Self Confidence through Better Communication, Developing Critical Thinking Skills for Decision Making, Setting Goals for Healthy Living, Managing Anger, Resolving Conflict and Preventing Violence, Peer and Family Relationships.

SOCIAL 6

(Full Year) Grade 6 Required
Reading = 2 Writing = 2 Homework = 2

This course will use the first quarter for students to get adjusted to the middle school. We will focus on organization, study skills, note-taking, and test taking skills. Our remaining three quarters will focus on Minnesota History. We will study the geography and then bounce to different topics in Minnesota's historical timeline. We will infuse the skill sets learned in the first quarter throughout our study of Minnesota.

SOCIAL 7 – United States Studies (1800 to present)

(Full year) Grade 7 Required
Reading = 2 Writing = 2 Homework = 2

This course focuses on the history of the United States through modern times. A few of the areas of study include colonial heritage, the revolution in the colonies, the forming of a new nation, Americans in the mid-1800s, migration and industry, and finally the United States in the modern era. Students will be doing a considerable amount work including note-taking, role-playing, presentations, small group work, and writing essays.

SOCIAL 8 – Global Studies

(Full year) Grade 8 Required
Reading = 2 Writing = 2 Homework = 2

Students in Global Studies explore the regions of the world using geographic information from print and electronic sources. They analyze important trends in the modern world such as demographic change, shifting trade patterns, and intensified cultural interactions due to globalization. The Global Studies benchmarks pertain to four main themes: a) cultural characteristics, technology, and ideas; b) economic development and trade; c) population and migration; d) human interaction with the environment. A major project on several countries is required.

AMERICAN HISTORY 1

(1 Credit, Full year) Grade 9 Required
Reading = 3 Writing = 2 Homework = 2

The year is spent in study of the roots of the United States from the first inhabitants of North America through the 19th Century. Heavy emphasis is placed on understanding some of the major events in history and how it shaped the country we live in today. A chronological approach is used to follow the major events and trends in history.

AMERICAN HISTORY 11

(1 Credit, Full year) Grade 10 Required
Reading = 3 Writing = 2 Homework = 2

This course is designed to give the students an understanding of the events, which have made the United States the country it is today. More importantly, it will allow the student to understand how those events that have made the American people what we are today. This course picks up where American History I left off. The Spanish/American War is the first stop on the journey that will take this course through the 20th century to the modern day.

WORLD HISTORY

(1 Credit, Full year) Grade 11 Required
Reading = 3 Writing = 2 Homework = 3

Eleventh grade social studies is a course in World History, which may range from the beginning of civilization to the present. The study includes a variety of regions and cultures, focusing on themes, which run concurrent throughout history. Students will continually be asked to analyze information from the past and consider how it relates to the contemporary world.

UNITED STATES GOVERNMENT

(.5 Credit, Semester) Grade 12 Required
Reading = 3 Writing = 2 Homework = 3

This course is an introduction to the basic concepts of American government, the American political process and the rights and responsibilities of citizenship. Additionally, this course will also serve to create more informed citizens who are prepared to experience the goods and bads from being an actively involved citizen. This class will focus on three major areas: the Constitution, the institutions of modern American government, and the political behavior of the American mass public. American government is a required course for graduation from Hayfield High School.

WORLD GEOGRAPHY

(.5 Credit, Semester) Grade 12 Required
Reading = 3 Writing = 2 Homework = 3

World Geography is the study of the world's peoples, places, and environments, with a focus on world regions. This course will examine how land, people, and cultures of the world affect the social, political, and economic character of nations and regions. Specifically, this class will explore where each regions is located along with its physical characteristics, including absolute and relative location, climate, and significant geographical features. We will also study each region from a cultural, economic, and political perspective examining the human impact on each region from these perspectives. At the conclusion of the class each student will be tested on all countries of the world. World Geography is a required course for graduation from Hayfield High School. This course also includes the study of economics. Economics is the study of how we as a society chose to use scarce resources to satisfy our unlimited wants and needs. This course will be an introduction to what is economics and the different types of economic systems not only in the United States but also globally. Additionally, this course will also break down microeconomics, business organizations and macroeconomics. When studying microeconomics, we will look into what supply and demand is, how consumers and producers communicate through the price system, and how and why market competition affects us every time we shop. During the chapter on business organizations, students will be able to learn about the different forms of business organizations in the United States. Finally, we will study the elements of macroeconomics. Students will learn about the business cycle and factors that influence it, and how economists measure economic performance. Economics is a part of World Geography that is a required course for graduation from Hayfield High School.

PSYCHOLOGY **Diploma with Distinction Course**

(.5 Credit, Semester) Grades 11-12 Elective, Offered 2018-2019.
Reading = 3 Writing = 2 Homework = 3

Psychology explores the influences of society on individual behavior and group relationships. Psychology looks for biological explanations for human behavior. You will learn more about the social and biological aspect of human behavior as you draw from the course material to gain insight into your life and the lives around you. Topics discussed include research methods, the biology of behavior, sensation and perception, stress and adjustment, learning, memory, cognition, motivation, emotion, life-span development, personality, abnormal behavior, therapies, social behavior, and individual difference.

SOCIOLOGY **Diploma with Distinction Course**

(.5 Credit, Semester) Grades 11-12 Elective, Offered 2019-2020
Reading = 3 Writing = 2 Homework = 3

The study of Sociology helps us make connections between human behavior and society. It helps us understand the processes that have shaped the features we observe around us every day as well as the ways those features may be different tomorrow. Sociology helps us understand the processes that have created a world that is home to more than six billion people. Topics discussed include historical eras and social change, social stratification, cultural diversity, value system, social structure, societies, groups, individuals, adolescents, adults, deviance, social control, ethnic relations, and the family.