



NRHEG High School

2018-19

Registration Manual

General Information for Students and Parents

The registration manual lists graduation requirements that have been established by the NRHEG School Board and the State of Minnesota. The manual is subject to change, particularly the standards and credits as may be required by changes in federal education related legislation, state law, or school board action.

It is essential that you are familiar with the requirements for graduation. It is in a student's best interest to plan as far in advance as possible for their high school experience. There is a four-year planning sheet on page 20 of this manual and one that all students will receive on the back of their registration form. Each student is asked to complete the four-year plan, which will then be kept in the guidance office for future reference. The four-year plan is not intended to "lock" students into a four-year program. A student's plan can be changed. The four-year plan is a tool that will assist students in meeting graduation requirements and college entrance requirements or other needs for after high school.

Registration for high school classes is an important process. The high school staff is available for advice and help in the planning process. The high school counselor meets with each grade to go through the entire manual, explain the registration process and go through graduation and college entrance requirements. The counselor is also available for individual appointments to help students/parents with registration.

All registrations must be approved, with a signature, by the student registering as well as by a parent or guardian.

NRHEG High School Graduation Requirements

Students must enroll in a minimum of 48 semester credits during their four years of high school. To graduate, students must complete a minimum of 48 semester credits. Below is a list of required classes and the number of elective credits you must register for.

Ninth Grade

English 9	2 credits
Civics/Human Geography	2 credits
Int. Algebra or Geometry	2 credits
Physics 9	2 credits
Physical Education	1 credit
Computer Skills	1 credit
Electives	2 to 4 credits

Tenth Grade

English 10	2 credits
American History	2 credits
Geometry or Adv. Algebra	2 credits
Biology	2 credits
Health/Physical Education	2 credits
Electives	2 to 4 credits

Eleventh Grade

English (Choices)	2 credits
Adv. Algebra (or college credit math option)	2 credits
World History (or AP Euro History option)	1 credit
Money Mgmt./Careers	1 credit
Electives	6 to 8 credits

Twelfth Grade

English (Choices)	2 credits
Government/Economics	2 credits
Electives	8 to 10 credits

In addition to the credits outlined above, students must also have the following: A) Two credits of the arts. To meet this requirement, students can choose from Band, Choir, Intro to Music, all art classes, Pinterest Projects, Housing/Design, Woods I and II, Plant Science I and II and Metals. B) Two additional credits of science. To meet this requirement students can choose from Health Science Academy, Anatomy, Chemistry, College Chemistry or Physics. Or, students can take any two of the ag or food science classes: Plant Science, Natural Resource Science, Animal Science or Food Science.

High School Testing

The State of Minnesota requires all public schools to offer the following tests to every high school student:

- Grade 9, Citizenship Test
- Grade 10, MCA Reading Test, MCA Science Test
- Grade 11, MCA Math Test, ACT college entrance test

While the tests listed above must be offered to all students, many juniors and seniors may also need to take the accuplacer test (used by all Minnesota community and technical colleges) and may choose to retake the ACT test. See the guidance office for more information.

College Credit Opportunities

Students, there are four ways you can earn college credit by taking courses here at NRHEG. These opportunities are possible through Articulated courses, the College Now program, Advanced Placement and the Health Science program explained below.

- 1) **Articulated courses** are certain courses students can take in high school and receive credit or partial credit for those courses at various Minnesota Technical and Community Colleges. This is a way for students to save time and money in their future technical or community college program. For more information, go to www.ctecreditmn.com. At this website, students can create an account for themselves, which will keep track of their articulated credit earned. The articulated courses for 2018-19 are Child Development and Culinary Arts in the FACS department, and the following Ag classes: Ag Mechanics, Ag Power and Electrification, Animal Science, Natural Resource Science, Plant Science, Welding II and Metals. **These courses are indicated in the manual with a double asterisk ** by their title.** Any student in grades 10-12, regardless of GPA and class rank, can earn articulated credit by taking one of these classes.
- 2) The **College Now Program** allows students the opportunity to earn college credit through Southwest Minnesota State University for certain classes taken here at NRHEG. For students not planning to attend Southwest State after high school graduation, the College Now courses transfer to other colleges or universities on the same basis as all other Southwest State courses. To enroll in College Now courses, students must meet the following criteria: a) Be ranked in the top 1/3 of your class at the end of your sophomore year, or in the top 1/2 of your class at the end of your junior year. b) Be ready to take on a rigorous course of study that will require more work and good study skills.

There are eight College Now courses being offered in 2018-19. “College English”, “College American Government” and “Principles of Microeconomics” are open only to seniors. “College Literature”, “College Chemistry”, “College Algebra”, “College Trigonometry” and “Calculus” are open to both juniors and seniors.

- 3) **Advanced Placement** is a program sponsored by the College Board. Students must meet the same criteria as the College Now program in order to take an AP course. Most colleges will accept AP courses for college credit if a student has passed the end of year AP test. The only AP course at NRHEG for 2018-19 is European History, which will fulfill the World History credit requirement needed for graduation.
- 4) See page 11 for information on the **Health Science Academy** program.

Registration Guidelines

Students, be certain that you have registered for at least six classes each semester, plus two alternate choices. You are encouraged to take seven classes each semester unless you need and will use a study hall to get work done. Complete the registration form for each semester, have a parent/guardian sign the form, and return the form to the guidance office by the due date.

Drop/Add

We will conduct drop/add during the first week of both semesters. High school students (grades 9-12) will be allowed to drop and add elective classes to meet graduation requirements and to best prepare for their future plans. Requests for certain teachers will only be considered when the switch would involve moving from a larger class to a smaller class. Students who drop a class after the first two weeks of each semester will receive a grade of “WF” (withdrew failing) on their transcript. Students who drop a year-long class after first semester will receive the grade they earned first semester, and a grade of “WF” will be entered on their transcript for 2nd semester. Students must get a parent signature to drop a year-long class, or to drop any class after the normal drop-add period. The school administration reserves the right to consider exceptions to these rules on a case by case basis which presents circumstances that are rare and/or unique.

Tutor and Teacher Assistant Programs

The tutor and teacher assistant programs are available to juniors and seniors who have not failed any classes the previous year. You cannot have a study hall and be a tutor/teacher assistant, unless you are taking a College Now course. Students can earn ½ credit per semester for being a tutor/teacher assistant.

College Entrance Requirements

As you are making your course plans for next year and your four-year plan, keep in mind the following requirements/recommendations for college entrance.

Four-year colleges: Most four-year colleges, including the Minnesota State University System, require the following courses to be taken in high school:

English – Four years

Social Studies – Three years

Science – Three years

World Language – Two years

The Arts (includes music) or World Culture – One year

*Math – Three years (Int. Algebra, Geometry, Adv. Algebra) required. A fourth year is recommended.

The University of Minnesota requires four years of math.

Most four-year colleges also require the ACT or SAT college entrance test. The ACT is much more commonly used throughout the Midwest. All students will have the opportunity to take the ACT in April of their junior year. See the guidance office or www.actstudent.org for more information. Having a class rank at least in the top half of your class is also very important for admission to a four-year college.

Two-year colleges: Most two-year colleges simply require a high school diploma for general admission. However, many majors/programs at technical and community colleges do have certain course requirements in order to get into the major/program. Also, students must score at satisfactory levels on the “Accuplacer” college placement test in order to take college level classes. The Accuplacer is offered in school to seniors each year. See the guidance office for more information.

For all post-high school plans: It always helps your chances of being admitted to the college of your choice and your chances of winning scholarship money if you’ve been active in a variety of activities and demonstrated positive leadership in school and your activities

CURRICULUM GUIDE

English

<u>English 9</u>	2 Sems.
Grade 9	Required
<u>1</u>	Vocabulary, Composition, Literature and Grammar
<u>1</u>	Speaking, Drama and Literature, Novel and Short Stories

<u>English 10</u>	2 Sems.
Grade 10	Required
<u>2</u>	Composition, Grammar, Drama and Literature
<u>2</u>	Speech Communication, Research for Communication, Drama and Literature

Junior and Senior English Choices

(Students must complete at least one reading oriented and one writing oriented course among the four semesters of Jr./Sr. English that are required for graduation.)

<u>Myths and Monsters</u>	<i>(Reading Oriented)</i>	1 Sem.
Grades 11, 12		
<u>3</u>	Exposes students to literature related to fantastic topics. Topics that may be covered include Greek/Roman mythology, “Beowulf”, “Children of Hurin” (Tolkien), and contemporary science fiction/fantasy such as “The Empire Strikes Back.”	
<u>Great Authors</u>	<i>(Reading Oriented)</i>	1 Sem.
Grades 11, 12		
<u>4</u>	Familiarizes students with great and famous authors and their works from a variety of historical periods. Student analysis of these works will be part of the curriculum. Possible authors to review include Twain, Gaines, Steinbeck, Harper, Lee, Wilder, Shakespeare, Shelley, Grisham, Christie and others.	
<u>Speech and Drama</u>	<i>(Reading Oriented)</i>	1 Sem.
Grades 11, 12		
<u>5</u>	Students will read, analyze and give reaction to plays and poetry from a variety of contexts. Public speaking, performance and stage technique will also be included.	
<u>Creative Writing</u>	<i>(Writing Oriented)</i>	1 Sem.
Grades 11, 12		
<u>6</u>	Challenges students to create original written works in a variety of styles including fiction, non-fiction, poetry, short story and newspaper/magazine articles.	
<u>Extreme Non-Fiction</u>	<i>(Writing Oriented)</i>	1 Sem.
Grades 11, 12		
<u>7</u>	Exposes students to non-fiction writing related to extreme periods in history, including the holocaust, war and various historical settings. Students will be asked to respond to these readings with reaction, criticism and non-fiction writing of their own.	
<u>Everyday Communication</u>	<i>(Writing Oriented)</i>	1 Sem.
Grades 11, 12		
<u>8</u>	Offers students a chance to build and strengthen skills in a wide range of spoken and written communication styles. Areas covered will include resume writing, interviewing, public speaking and persuasion, critical reading and research writing.	

College English (College Now Class) (*Writing Oriented*) 1 Sem.

Grade 12

9 This course can be taken by qualifying seniors as a college level course. This is a writing course designed to help students develop effective writing skills at a college level. Students will understand and demonstrate the writing/composing processes through invention, organization, drafting, revision, editing and presentation.

Journalistic Writing (*Writing Oriented*) 1 Sem.

Grades 11, 12

118 This course focuses on styles of journalistic and informative writing likely to be used in publications. Basic tenets of journalistic style, elements of photography, smooth incorporation of direct and indirect quotation, interviewing skills and proofreading will all be practiced. Course includes practical experience writing and submitting materials for publication in local newspapers.

College Literature (College Now Class) (*Reading Oriented*) 1 Sem.

Grades 11, 12

119 This course can be taken by qualifying juniors and seniors as a college level course. This course will deepen students' understanding and appreciation of literature as an art form as well as strengthen students' ability to read short stories, poems, novels and drama for meaning.

Social Studies

Civics 1 Sem.

Grade 9 Required

10 Civics: county, state and local government.

Human Geography 1 Sem.

Grade 9 Required

11 The study of people, locations and environments throughout the world.

American History 2 Sems.

Grade 10 Required

12 Events leading up to, including and after the Civil War.

12 The industrial growth of America to the West as well as a growing urban nation.

World History 1 Sem.

Grade 11 Required

13 Study of the development of humans and their path to a civilized society.

Study of different civilizations and their political, religious and culture structures.

American Government 1 Sem.

Grade 12 Required

14 Study of the Federal Government System.

Economics 1 Sem.

Grade 12 Required

15 Study of socio-economics and the American economic system.

Psychology 1 Sem.
Grades 11, 12 Elective
16 Psychology will cover the basic terminology and concepts of the human mind. Students will be involved in interpreting and predicting human behavior. Students will develop an understanding of the importance of interpersonal communication in personal and professional life. Careers involving psychology will also be discussed and related to the course material. These careers will range from medical to counseling.

Sociology 1 Sem.
Grades 11, 12 Elective
17 Sociology will cover the basic terminology and concepts of human behavior in different societies. Students will be involved in interpreting beliefs and values of societal groups. Students will also study how human behavior differs not only in the United States, but also around the world.

The Holocaust 1 Sem.
Grades 11, 12 Elective
18 An in-depth analysis of world history's greatest tragedy. The course will discuss the rise of Nazism and the persecution of Jews as well as the legacy of hate and intolerance. Students will learn the ideas behind inclusion, tolerance and cultural diversity.

AP European History (Advanced Placement Class) 2 Sems.
Grades 11, 12 Elective
19 This is a college level course on European history that introduces students to the cultural, economic, political and social developments that have shaped Europe and the rest of the world since 1450. Students will seek to understand the principal themes of European history, analyze historical evidence and historical interpretations, and express historical understanding in writing. The major areas of study will include the age of Napoleon, the industrial revolution, the beginning of the 20th century, world war I and II, the cold war and the modern western world. This course will count as fulfilling the world history credit required for graduation.
19 Continuation of the above.

College American Government (College Now Class) 1 Sem.
Grade 12 Elective
20 This course can be taken by qualifying seniors instead of the regular American Government. Includes the study of the United States Government in all of its aspects with special emphasis placed on constitutional theory, major governmental institutions and the national political culture and practice.

Principles of Microeconomics (College Now Class) 1 Sem.
Grade 12 Elective
116 Introduction of supply and demand analysis; study of competition and monopoly power; resource allocation, pricing and the market system; business and labor regulation; and income distribution. This course requires a mathematical background including two years of high school algebra.

Mathematics

(Students at all levels of high school math will need a TI-83 or TI-84 graphing calculator!)

Intermediate Algebra

2 Sems.

Grades 9, 10, 11, 12

21 A full year course in algebra from a modern standpoint. Int. Algebra provides a foundation for the upper level mathematics courses. Equations and inequalities of the 1st and 2nd degree are explored as well as introducing data analysis. **Students will need a TI-83 or TI-84 graphing calculator.**

21 Second semester continuation of the above.

Geometry

2 Sems.

Grade 9, 10, 11, 12

Required

22 This course places an emphasis on student investigation and discovery to find geometric relationships through cooperative learning. Students will study a wide range of topics including two- and three-dimensional figures, inductive and deductive reasoning and proof writing, and trigonometry. **Students will need a TI-83 or TI-84 graphing calculator for this class.**

22 Second semester continuation of the above.

Advanced Algebra

2 Sems.

Grades 10, 11, 12

Required

Prerequisite: Int. Algebra

23 This course further explores the topics introduced in Int. Algebra including linear and quadratic equations and inequalities, exponents and radicals. We will cover the math standards required by the state of Minnesota that were not covered in Int. Algebra and Geometry. **Students will need a TI-83 or TI-84 graphing calculator for this class.**

23 Second semester continuation of the above.

College Algebra

(College Now Class)

1 Sem.

Grade 11, 12

Elective

Prerequisite: Advanced Algebra with a grade of B- or higher. For seniors choosing to take College Algebra, it is highly recommended that you scored at least a 22 or higher on the math portion of the ACT test.

24 A study of the concepts of algebra at a college level. Topics include: equations and inequalities; polynomial, rational, exponential and logarithmic functions and their graphs; and systems of linear and non-linear equations. **Students will need a TI-83 or TI-84 graphing calculator for this class.**

College Trigonometry

(College Now Class)

1 Sem.

Grade 11, 12

Elective

Prerequisite: College Algebra

25 A study of both right-triangle trigonometry and circular functions with an emphasis on real-life applications. Topics include: writing and solving trigonometric equations; graphing and interpreting graphs of trigonometric functions; reading and proving trigonometric identities; and writing and using vectors. **Students will need a TI-83 or TI-84 graphing calculator for this class.**

Calculus (College Now Class) 2 Sems.
Grade 12 Elective

Prerequisite: College Algebra and College Trigonometry

26 This course is a study in differential and integral calculus. Topics include an introduction to limits and continuity, derivatives and their applications, integrals and their application, anti-derivatives and the Fundamental Theorem of Calculus, as well as an introduction to differential equations using slope fields and Euler's Method. There is an emphasis on conceptual understanding and working with functions represented graphically, numerically, and analytically. The graphing calculator is used extensively. **Students will need a TI-83 or TI-84 graphing calculator for this class.**

26 Second semester continuation of the above.

Science

Physics 9 2 Sems.
Grade 9 Required

30 This laboratory science course is an introduction to chemistry and physics principles. Students will be using lab equipment and other resources to investigate the characteristic properties of matter and energy. This course has an emphasis on laboratory safety, metric system measurement, scientific report writing, and use of mathematics in science.

30 Second semester continuation of the above.

Biology 2 Sems.
Grade 10 Required

31 This class covers cell structure, simple genetics, invertebrates and the vertebrates. This class will study all animal phylum. Structure and functions of the animal systems will be demonstrated by dissections of several animals. The use of taxonomic keys will be used to identify insects and other animals.

31 Continuation of the above.

Students must take one of the science electives below, or take two of the FACS and ag education science classes.

Human Anatomy 2 Sems.
Grades 11, 12 Elective

Prerequisite: Physical Science and Biology

35 This semester of Human Anatomy will cover the skeletal, muscular, circulatory, and reproductive systems. Both the structure and functions will be covered.

35 A continuation of first semester, systems covered will be: digestive, nervous, endocrine, respiratory, lymphatic and immune.

Chemistry 2 Sems.
Grades 11, 12 Elective

Prerequisite: Physical Science and Biology

36 Chemistry is the study of materials, their composition and structure, and the changes they undergo. By studying chemistry, students will be able to understand the nature of the materials around them and the many practical benefits of chemistry in our society. Students will learn how to think scientifically and solve problems through use of scientific processes. They will have opportunities to engage in scientific work through laboratory and other hands-on activities. Students enrolling in Chemistry should have good working knowledge of Algebra.

36 Second semester continuation of the above.

Physics

Grades 11, 12

2 Sems.

Elective

Prerequisite: Physical Science and Biology. Also, Adv. Algebra with at least a “C” or higher.

37 A study of motion, mechanics, wave theory, sound, optics, electricity, thermodynamics, and modern physics. A laboratory class, students should plan to stay in this course for the full year. Students need a solid background in Algebra.

37 Continuation of the above

College Chemistry

(College Now Class)

2 Sems.

Grades 11, 12

Elective

Prerequisite: Completed Adv. Algebra with a grade of “B” or higher.

38 This course is designed to be the first course in college chemistry for students planning to major in a science field. Topics include chemical and physical properties of matter, atomic and molecular structure, bonding, chemical notation, inorganic nomenclature, stoichiometry and periodic laws. The course includes both lecture and laboratory activities.

Health Science Academy

WHAT: A unique opportunity for interested NRHEG Juniors and Seniors to participate in a health careers program designed to help high school students prepare for a variety of health care related occupations. The program consists of both coursework (potential college credit courses, “Health Science Technology” and “Medical Terminology”) and practical, hands-on clinical experiences.

WHEN and WHERE: Participating students would be enrolled in the program throughout the year during the 1st period of the day. One day each week students will be doing the clinical experiences from 8:00 to 9:00 am at the Waseca-Mayo Clinic and Hospital in Waseca, and the other four days each week students will be working on their online Medical Terminology and Health Science courses.

WHO: Interested juniors and seniors with at least a 3.0 GPA may apply. A total of 50 students can be accepted into the Academy from Waseca, NRHEG, JWP, WEM and other area schools. The Academy instructors make the decisions regarding which students are accepted.

HOW: Students can get a link to an online application from the guidance office. Applications are due by April 1, 2017.

OTHER CONSIDERATIONS: Students are completely responsible for transportation to and from the clinical experience site. The school district will not be providing transportation for this opportunity. There will be a minimal fee for the program (\$20 - \$30) for a required scrubs uniform and other possible materials. Some of the clinical experiences may be available at the New Richland Care Center. Juniors accepted into the academy will have the opportunity to take further courses in the program their senior year.

Students interested in taking the Health Science Academy program should indicate “Health Science Academy”, registration number 34, covering two lines on their registration form. It is a year-long class.

Business

Computer Skills 9

1 Sem.

Grade 9

Required

40 This course examines the current programs and applications that are used in the world of business. Students will apply Microsoft Office and Google productivity applications to projects and assignments they will face in everyday life. The class progressively builds on previously learned computer applications and concepts. Additionally, students will practice 21st century skills by collaborating with others to problem-solve, develop proper communication and presentation techniques, and will be introduced to the concept of global citizenship.

Money Management/Careers

1 Sem.

Grade 11

Required

41 This required one semester course for juniors will introduce students to: Financial planning, goal setting, savings and checking accounts, using credit and credit cards wisely, how debt affects you and keeping auto insurance costs down. We will also do a career unit where students will prepare a resume, do cover letters, match their interests and abilities to possible career choices, research college and other post-high school options, and learn how career choices affect your income.

Introduction To Business

1 Sem.

Grades 9, 10, 11, 12

Elective

42 This class will cover all the basics of starting up and running a business. Students will learn skills to be an effective employee as well as management styles and techniques. Students will examine various careers related to business and examine local and national companies.

Accounting

2 Sems.

Grades 10, 11, 12

Elective

43 Accounting touches the lives of everyone. This class will involve students in hands-on accounting activities. Accounting serves two main purposes – personal use and business use. Personally, you will need to have accurate records that will keep you out of financial difficulties. Professionally, this class is well suited for students thinking of a career in business. The students learn accounting for a couple different types of businesses, and each type of business will take students through a complete accounting cycle. Today there are many excellent career opportunities for those who have an accounting background. Whether you want to be a future business owner or an accountant, this course will prepare you in the basics of record keeping principles.

43 Second semester continuation of the above.

Business, Sports and Entertainment Management/Marketing

1 Sem.

Grades 11, 12

Elective

44 This course will cover aspects of marketing as it relates to business. Market Research, Event Promotion, and Sports Marketing are some of the topics that are covered. The world of marketing is to persuade buyers to buy, and through research, give customers what they want. Marketing encompasses the areas of publicity, public relations, and sales promotion. This course is designed for students interested in developing skills needed for careers in business, marketing and management. Students will experience hands-on application by running the school store.

Technology and Video Production

1 Sem.

Grades 11, 12

Elective

45 This class will cover new technology and media production. Students will learn about and create newscasts which includes filming and editing videos. This course will also introduce computer coding, gaming and robotics.

Personal Law

1 Sem.

Grades 10, 11, 12

Elective

46 This class deals with the type of law that you, as young people and later as adults, will be faced with. You will have the opportunity to: look at the American legal system, view the area of criminal and civil law, see how consumer protection laws affect you, visit the Waseca County Jail and sit in on cases in the Waseca County Courthouse, and visit the Faribault State Prison. We will also examine aspects of environmental, business and family law and how these things impact our daily lives.

Digital Media

1 Sem. (1st sem only)

Grades 11, 12

Elective

47 This class will cover computer applications such as Adobe Photoshop, Adobe Illustrator, digital music production, web-based animation and design programs and web page design using a variety of programs. Students in this course will also assist with the pre-production of the yearbook. **(Students interested in taking Yearbook Production should also take this class.)**

Youth Service Leadership (YSL)

1 Sem.

Grades 11, 12

Elective

48 “YSL” is a class that focuses on youth service. You will be in class one day a week and out doing your service project the other four days a week, going into the community where you provide a genuine service to those who need you. Possible service sites might be the New Richland Care Center, Country Neighbors, a day care home or a pre-school classroom. We will also do senior citizen projects in New Richland in the spring and a possible “prom” at the care center for residents there. Wednesdays of each week we will be in the classroom for a YSL seminar day.

Yearbook Production

1 Sem. (2nd sem. only)

Grades 11, 12

Elective

49 This course is for juniors and seniors who are on the annual staff. Each student will be involved in all aspects of creating the yearbook. You will use Photoshop and Pictavo software for page development. Students will be expected to operate a digital camera to take pictures at school events. Students work as a team to produce the best yearbook possible. **(Students interested in Yearbook should also take Digital Media.)**

Health and Physical Education

Physical Education

1 Sem.

Grade 9

Required

50 Lifetime and individual sports are stressed. Students are instructed on rules, fundamentals, and major playing techniques. Each unit takes 10 to 20 days and culminates with a skills and/or written test. Physical fitness will be assessed according to the President's Physical Fitness Test.

Health and Physical Education

2 Sems.

Grade 10

Required

51 First semester Health will involve studying almost all the organ systems, including the digestive, cardiovascular, respiratory, reproductive, endocrine, immune, urinary and integumentary systems. Pregnancy, birth, and childhood will also be covered. Personal care, exercise and lifelong fitness skills will be implemented as well. Community health education and the prevention of injuries and violence are also part of the class.

51 Second semester Physical Education will emphasize development of individual, dual and team activities for leisure time enjoyment. Physical fitness will be assessed according to the President's Physical Fitness Test.

Personal Fitness

1 Sem.

Grades 11, 12

Elective

52 This class is designed for students interested in their personal health and fitness. Students will survey their personal wellness and implement plans for improvement. We will use the weight room while implementing our own weight training program and designing a fitness facility. We will discuss nutrition and diets as well as participate in aerobic fitness. Students will have 3 to 4 short research papers to present and/or submit on specific topics of personal fitness. Participation is required.

Art Education

Graphic Arts

1 Sem.

Grades 9, 10, 11, 12

Elective

53 This course will be an introduction to the graphic arts. We will study the history of the art form and some of the methods and techniques used in graphic arts. Design projects could include brochures, cut letters, product packaging, posters, logos, and school spirit sayings displayed around the school.

Art Fundamentals

1 Sem.

Grades 9, 10, 11, 12

Elective

54 This course will expand on the basic elements and principles of design that were covered in middle school, using hands-on projects and other learning styles. A variety of materials and methods will be explored including clay, watercolor and other paints, paper, marbling, fibers and pencils.

Ceramics I

1 Sem.

Grades 9, 10, 11, 12

Elective

55 This course is a study of clay, which will include different hand-building techniques. Students will be introduced to different techniques that can be used on white ware such as glazes, opaque stains and underglazes.

Ceramics II

1 Sem.

Grades 9, 10, 11, 12

Elective

Prerequisite: Ceramics I

56 Hand building and "throwing" on the wheel will be part of this class. We will broaden our knowledge of painting techniques and the history of the wheel. Ceramic projects could include a container with a lid, a mobile and various projects from the wheel.

Photography

1 Sem.

Grades 9, 10, 11, 12

Elective

58 Photography class is designed to help you understand the digital cameras. Various techniques will be taught that will improve your photographs. The use of a computer program will be used for layouts and making changes on your photos.

Drawing/Painting

Grades 9, 10, 11, 12

1 Sem.

Elective

59 This is a course designed for the student who likes to draw and/or paint. Several drawing mediums will be used such as pencil, charcoal, color pencils. Drawings of nature, portraits, and landscapes are examples of some of the drawings included in the course. Painting will also be studied, including both watercolors and acrylics. Painting will be done on canvas and watercolor paper. Different styles and techniques will be studied.

World Languages

Spanish I

Grades 9, 10, 11, 12

2 Sems.

Elective

63 This year long course introduces the student to the Hispanic language and culture. It is designed to help students acquire the four basic skills associated with language learning: listening, speaking, reading and writing. The course focuses on oral proficiency, stressing conversation through speaking and listening. The study of Spanish and Latin American culture is covered as well as the geography of the Spanish-speaking world. Several Hispanic holidays and activities will be introduced to the students.

63 Second semester continuation of the above.

Spanish II

Grades 10, 11, 12

2 Sems.

Elective

Prerequisite: Spanish I

64 Spanish II is a continuation of Spanish I. Students will learn a more extensive vocabulary as well as advanced grammar. More emphasis is placed on the skills of reading and writing. Oral proficiency conversational skills of listening and speaking however continue to be introduced and reinforced. The study of culture and geography are emphasized in this course due to the importance of cultural understanding to world language learning. The Hispanic culture and customs will be celebrated through various activities.

64 Second semester continuation of the above.

Spanish III

Grades 11, 12

2 Sems.

Elective

Pre-requisite: Spanish II

65 This class will strengthen the student's knowledge and fluency in the written language and broaden the appreciation of Hispanic culture and civilization. The goal is to provide an opportunity for the student to improve on the four skills of listening, speaking, reading and writing that were introduced in Spanish I and II. A more advanced form of writing is studied as well as the beginning of literary study. Various activities are planned to promote cultural awareness.

65 Second semester continuation of the above.

Industrial Technology

Woods I

Grades 9,10,11, 12

1 Sem.

Elective

70 Woods I will introduce students to basic fundamentals of woodworking including the properties of different kinds of woods, planning and designing a project, and learning to use common tools in the woodworking process including the table saw, time saver sander, table routers, compound miter boxes as well as a variety of hand tools. Each student will have the opportunity to complete a project or multiple projects in the class and the students are responsible for the cost of materials for their projects. Shop safety is stressed and students will have to pass safety tests before they will be allowed to work on their project.

Woods II

Grades 9, 10, 11, 12

1 Sem,

Elective

71 **Prerequisite: Woods I**

This class will introduce students to intermediate fundamentals of woodworking including the properties of different kinds of woods, planning and designing a project, and learning to use common tools in the woodworking process including the table saw, time saver sander, table routers, compound miter boxes as well as a variety of hand tools. Students will also learn how to use framing and finish air nailers safely. They will also have the opportunity to use latest battery powered tools. Each student will have the opportunity to complete a project or multiple projects in the class and the students are responsible for the cost of materials for their projects. Students will also have an opportunity to work on class projects such as picnic tables and lawn furniture. Shop safety is stressed and students will have to pass safety tests before they will be allowed to work on their projects.

Construction Trades

Grades 10, 11, 12

1 Sem.

Elective

72 **Prerequisite: At least one previous shop class**

This class will introduce students to complex fundamentals of building trades. Each student will have the opportunity to complete a project or multiple projects in the class and the students are responsible for the cost of materials for their projects. Students will also have an opportunity to work on class projects such as, storage sheds, picnic tables and lawn furniture. They will also learn how to construct a garage and home. In addition, they will learn how to build a foundation and pour a concrete floor for a home and garage. Shop safety is stressed and students will have to pass safety tests before they will be allowed to work on their projects.

Music Education

Concert Band

Grades 9, 10, 11, 12

2 Sems.

Elective

Prerequisite: Jr. High Band

80 Concert Band is for students with prior instrumental musical knowledge. The purpose is to give students a solid music education based on participation in rehearsal and performance. Pep band and marching band are also a part of being in concert band with jazz band another possibility for interested students. Lessons are required of all students and will focus on individual technique and improvement of advanced musical abilities. Attendance at all scheduled events is mandatory.

80 Second semester continuation of the above.

Concert Choir 2 Sems.
Grades 9, 10, 11, 12 Elective
81 The concert choir will perform three concerts a year and other selected performances. Attendance at all scheduled events is mandatory.
81 Second semester continuation of the above.

Intro to Music 1 Sem.
Grades 9,10,11,12 Elective
82 An introduction to perceptive listening and a general knowledge of music. Students with little or no music background are provided an opportunity to study and make music. In this course students study the fundamentals of music and learn to play various instruments. Includes an extensive unit on the history of rock and roll music.

Family and Consumer Sciences

(Course names followed immediately by **** are Articulated courses**. See page 4 for more information.)

Culinary Arts ** (This course will not be offered in 2018-19, but then it will be offered in 2019-20.
It will rotate every other year with International Cuisine.)
1 Sem.
Grades 9, 10, 11, 12 Elective

90 *The Regional Articulation College Certificate Guidelines for Southern Minnesota Perkins will be used in determining the course content. Each lab group will research and select approved American cuisine recipes, based on the guidelines indicated above, in order to demonstrate high quality food preparation practices during the semester. Safety, sanitation, grocery shopping, budgeting, menu planning, cooking, baking, pastry making, plating, presentation, inventory and kitchen management skills will be incorporated into the lab experiences. Each lab group will also produce a cupcake for entry in the “cupcake wars” competition.*

International Cuisine (This course will be offered in 2018-19, but then it will not be offered in 2019-20.
It will rotate every other year with Culinary Arts.)
1 Sem.
Grades 9, 10, 11, 12 Elective

91 Explore the world through food by researching the culture, geography and cuisine throughout areas of Europe, Asia, Russia, Mexico, Africa, the Middle East, and other areas of the globe. Each lab group will select approved recipes, based on the guidelines indicated above, to prepare during the semester. Safety, sanitation, grocery shopping, completing an ongoing budget and high quality food preparation practices will be incorporated in the lab experiences based on The Regional Articulation College Certificate Guidelines for Southern Minnesota Perkins . In addition to preparing the recipes, each lab group will produce a product, which will be used to educate the class about a specific country or countries. The class will culminate with an “Iron Chef” competition.

Sports and Foods

1 Sem.

Grades 9, 10, 11, 12

Elective

92 Athletes who are concerned about their health and food selections may be able to apply the knowledge gained in this class to increase their performance. The learner will have the opportunity to identify nutrients and how they affect the body, record the nutrients within the recipes prepared, compare food labels, analyze safe dieting techniques to increase or decrease weight, investigate the “Blue Zones,” the “Mediterranean Diets,” and analyze “My Plate” concepts. Safety, sanitation, grocery shopping, completing an ongoing budget and high quality food preparation practices will be incorporated in the lab experiences based on The Regional Articulation College Certificate Guidelines for Southern Minnesota Perkins. Exercise experiences, within the gym or outside, are an integral portion of the class.

Food Science

1 Sem.

Grades 9, 10, 11, 12

Elective

93 This course is for you if you want to learn the science behind food preparation while also learning food preparation skills and possibly earning a science credit! The imaginative experiments in this class is designed to teach you the *why* as well as the *how*. The Regional Articulation College Certificate Guidelines for Southern Minnesota Perkins is used as a class reference document. Safety, sanitation, grocery shopping, completing an ongoing budget and high quality food preparation practices will be incorporated in the lab experiences.

Housing/Design

1 Sem.

Grades 9, 10, 11, 12

Elective

95 If your career choice is interior design, architecture or a career in housing, this course will provide you with valuable skills while earning an art credit. The learner is expected to engage in, on-line school appropriate research to locate an apartment floor plan, produce a product which will include creating a colored scale drawing of a class selected apartment floor plan, place scaled furniture templates on the floor plan, research the furnishings on-line that align with the scaled furniture templates and create a power point presentation which includes the furnishings, accessories, and etc. The learner will also be expected to engage in on-line research, following a comprehensive checklist, to produce a power point in which they have selected a house floor plan, appliances, furnishings, background treatments, lighting and etc. for a home. They will research the details required to obtain a mortgage, for inclusion in their presentation. Design elements and principals will be applied to the products produced. A field trip may be included.

Future Parenting (This course will be offered in 2018-19, but then it will not be offered in 2019-20.

It will rotate every other year with Child Development.)

1Sem.

Grades 9, 10, 11, 12

Elective

96 This class will help the student to learn more about little children and about themselves. What is being a parent all about? The Regional Articulation College Certificate Guidelines for Southern Minnesota Perkins will be used to study parenting from conception and pregnancy through birth and into the preschool years. What does a child deserve? How can we help prevent birth defects? How much do children cost? What about adoption and foster care? How can we help children grow? How do we help the child with special needs? What are the different methods used to modify behavior? The learners will have an opportunity of caring for a computerized baby or select an alternate project. They may also invite children to class and visit an early childhood classroom. If the career pathway is in the area of future parenting, education, early childhood, child psychology, sociology, social work and medicine, this is an important course for you. Several professionals and community resources are an important part of this course.

Child Development ** (This course will not be offered in 2018-19, but then it will be offered in 2019-20.
It will rotate every other year with Future Parenting.)

1 Sem.

Grades 9, 10, 11, 12

Elective

97 The learner will use *The Regional Articulation College Certificate Guidelines for Southern Minnesota Perkins* to research the following: prenatal influences on development, developmental delays, aesthetic/creative development, physical development, cognitive development, language development, social development, emotional development, identity development, moral development, cultural identity development, influences on temperament, and the theoretical approaches of all developmental domains. They may also have an opportunity to go to a community child care setting, invite children to class and visit an early childhood classroom. If the learners' career pathway is in the area of early childhood, elementary education, child psychology, sociology or social services, this is an important course for their future. Several professionals and community resources are an important part of this course.

Relationships/Self Defense

1 Sem.

Grades 9, 10, 11, 12

Elective

98 If your career pathway is in the area of social work, psychology, sociology, education or business, this course will provide you with valuable insights. The learner will be given opportunities to explore personal relationships and skills to enhance their current and future family situations. Major topics include the following: communication strategies, dealing with difficult people, conflict strategies, healthy family traits, family and diversity, family abuse/neglect, chemical dependency and the affect on the family, victim empowerment, family support/enhancement strategies, crime and personal safety, self defense strategies, social service system, legal system, family support programs, and community resources. Speakers provide a significant contribution to this class.

Succeed On Your Own

1 Sem.

Grade 12

Elective

99 Living "on your own" will soon be a reality. Why not be prepared! The learner will investigate their career choice by researching their potential college or post-secondary school, the military or their potential worksite. They will identify their potential college freshman courses, select a meal plan, identify initial housing costs, research book and tuition fees, obtain and complete letters of recommendation, scholarship applications, and college application forms. Next the learner will project into the future to determine a potential salary, complete withholdings, and hypothetically locate a place to live via on-line resources, review a lease, determine the cost of furnishing their place of residence, research and purchase a hypothetical vehicle, obtain hypothetical insurance and balance a budget. The learners will also be expected to take quizzes on the Life Smarts web site. If they qualify, they will also be encouraged to enter the state-wide Life Smarts competition. Guest speakers may be included.

Agriculture Education

Ag Mechanics**

Grades 9, 10,11, 12

1 Sem.

Elective

101 This class is a combination of a small engines class and a selection of units on power systems. Students will learn the basics of small gas engines, including diagnostics, maintenance and repair.

Ag Power and Electrification**

Grades 9,10,11, 12

1 Sem.

Elective

102 Students will spend the majority of this class learning the basics of electrical wiring. Upon completion they should have the skills to wire the majority of circuits found in any household. Further class time will be spent on other agricultural power systems.

Welding I

Grades 9, 10, 11, 12

1 Sem.

Elective

103 In this class students will learn welding processes. Fusion and braising welding skills will be developed on electrode welders, oxy-acetylene and MIG.

Metals**

(This course will not be offered in 2018-19, but then it will be offered in 2019-20.

It will rotate every other year with Welding II.)

1 Sem.

Elective

Grades 10, 11, 12

104 **Prerequisite: Completed Welding class with a “C” or better**

This class will further explore the various technologies in metal working. Students will learn to use a TIG welder, CNC plasma cutter, and various metal bending and manipulation tools. Previous welding experience in a school welding course is required. Time for projects will be made available during this class. This course can count as an art credit.

Welding II**

(This course will be offered in 2018-19, but then it will not be offered in 2019-20.

It will rotate every other year with Metals.)

1 Sem.

Elective

Grades 9, 10, 11, 12

105 **Prerequisite: Completed Welding with a “C” or better**

This class will be a continuation of the Welding class with more advanced welds performed and more advanced technology used. Students will learn to use the TIG welding, the plasma cutter, and the CNC plasma cutter. There will be time at the end of this course to work on small welding projects at the student’s discretion.

Plant Science I**

Grades 9, 10, 11, 12

1 Sem.

Elective

106 This wide ranging course will cover everything from gardening and greenhouse management to landscape design to floriculture. Students will learn about plant growth and development, how to raise garden crops, how to design and install landscapes, marketing and production of floral arrangements and more. This course is highly hands on and will involve a good deal of time outdoors working on the school gardens and grounds. This course can count as an art credit and science credit. Students need to earn a “C” or better in this class to qualify for the Plant Science II class.

Plant Science II**

1 Sem.

Grades 10, 11, 12

Elective

107 This class is for students who have completed Plant Science I with a grade of “C” or better and who wish to continue to learn the topics in that course. It will be held in conjunction with the Plant Science class, but the students will have additional levels of requirements and projects to complete. See the Plant Science I description for more topic details.

Natural Resource Science**

1 Sem.

Grades 9, 10, 11, 12

Elective

108 This class will deal with the natural resources of Minnesota including wildlife, soils and water. Class lab activities will include soil sample tests, water tests, basic environmental science, forestry and wildlife management. Trips to local resources will be planned when possible. This class fulfills 1 credit of the 6 science credits required for graduation.

Animal Science**

1 Sem.

Grades 9, 10, 11, 12

Elective

(Students who have previously taken Agriscience I or II may still take this course)

109 The focus of this course will be on the animal industry. This includes but is not limited to dairy cattle, beef cattle, swine, sheep, goats, horses, fish, dogs and cats. Students will learn the basics of nutrition and management, veterinary care, housing, marketing, and selection. Each industry will be examined to better educate students on the animal industry as a whole.

Ag Economics

1 Sem.

Grades 11, 12

Elective

(Note: To receive Economics credit this course must be taken as a senior)

110 The world of ag business will be used as a foundation to teach students the basics of both running a successful business of any type and the principles of economics involved. Students will cover topics in record keeping, marketing, decision making, sales and service, business planning, and those economic principles involved in both local and global trade. Students planning on owning their own farm business or other private business should consider this course.

Work Release (Seniors Only)

Work release is not a class and does not earn credit toward graduation! This is an opportunity for seniors who have a job to be released from school after 6th hour to go to their job. The qualifications for work release include: You must be on track to have more than enough credits to graduate, you must have a paying job (not volunteer) you can go to every day or nearly every day after 6th hour (this must be verified by a written letter from your employer) and you cannot be involved in a sport or other school activity that requires after-school practices or rehearsal. If you meet these qualifications and are interested in work release, then write in “work release” on one of the lines on your registration form. This can be either one semester or year-long.

Four Year Plan

Ninth Grade

First Semester

English 9
Civics
Geometry
Physics 9
Physical Education

Second Semester

English 9
Human Geography
Geometry
Physics 9
Computer Skills 9

Tenth Grade

First Semester

English 10
American History
Biology
Int. Algebra or Adv. Algebra
Phys. Ed./Health

Second Semester

English 10
American History
Biology
Int. Algebra or Adv. Algebra
Phys. Ed./Health

Eleventh Grade

First Semester

English Choice
World History or AP Euro History
Adv. Algebra or College Alg./College Trig.

Second Semester

English Choice
Money Mgmt./Careers
Adv. Algebra or College Alg./College Trig.

Twelfth Grade

First Semester

English Choice
Amer. Gov't or College Amer. Gov't

Second Semester

English Choice
Economics or Microeconomics or Ag Econ.

(Gr. 9-12) Two credits of the arts: _____
(Choose from band, choir, music theory, all art classes, woods I and II, housing/design, metals and plant science I and II)

(Gr. 9-12) Two additional credits of science: _____
(Choose from anatomy, chemistry, physics, college chemistry, health science, and the ag and food sciences)

Elective Class List For 2018-19

<u>Course Name & Number</u>	<u>Grades</u>	<u>Page</u>	<u>Course Name & Number</u>	<u>Grades</u>	<u>Page</u>
Myths and Monsters 3	11-12	6	Ceramics I 55	9-12	14
Great Authors 4	11-12	6	Ceramics II 56	9-12	14
Speech and Drama 5	11-12	6	Photography 58	9-12	14
Creative Writing 6	11-12	6	Drawing/Painting 59	9-12	15
Extreme Non-Fiction 7	11-12	6	Spanish I 63	9-12	15
Everyday Communication 8	11-12	6	Spanish II 64	9-12	15
*College English 9	12	7	Spanish III 65	9-12	15
Journalistic Writing 118	11-12	7	Woods I 70	9-12	16
*College Literature 119	11-12	7	Woods II 71	9-12	16
Psychology 16	11-12	8	Construction Trades 72	10-12	16
Sociology 17	11-12	8	Concert Band 80	9-12	16
The Holocaust 18	11-12	8	Concert Choir 81	9-12	17
AP European History 19	11-12	8	Intro to Music 82	9-12	17
*College American Gov't 20	12	8	** <i>Culinary Arts</i> 90	9-12	17
*Prin. of Microeconomics 116	12	8	International Cuisine 91	9-12	17
*College Algebra 24	11-12	9	Sports and Foods 92	9-12	18
*College Trigonometry 25	11-12	9	Food Science 93	9-12	18
*Calculus 26	12	10	Housing/Design 95	9-12	18
Human Anatomy 35	11-12	10	Future Parenting 96	9-12	18
Chemistry 36	11-11	10	** <i>Child Development</i> 97	9-12	19
Physics 37	11-12	11	Relationships/Self Defense 98	9-12	19
*College Chemistry 38	11-12	11	Succeed On Your Own 99	12	19
Health Science Academy 34	11-12	11	**Ag Mechanics 101	9-12	20
Intro to Business 42	9-12	12	**Ag Power & Electricity 102	9-12	20
Accounting 43	10-12	12	Welding I 103	9-12	20
Business Mgmt/Marketing 44	11-12	12	** <i>Metals</i> 104	10-12	20
Technology & Video Prod. 45	11-12	13	**Welding II 105	9-12	20
Pers. & Business Law I 46	10-12	13	**Plant Science I 106	9-12	20
Digital Media 47	11-12	13	**Plant Science II 107	9-12	21
Youth Serv. Leadership (YSL) 48	11-12	13	**Natural Resource Science 108	9-12	21
Yearbook Production 49	11-12	13	**Animal Science 109	9-12	21
Personal Fitness 52	11-12	14	Ag Economics 110	11-12	21
Graphic Arts 53	9-12	14	(Work Release)	12	21
Art Fundamentals 54	9-12	14			

*College Now Class

**Articulated Class

Registration Form

Name _____

Present Grade 8

YOU MUST HAVE CLASSES LISTED IN LINES 6 & 7 AND ALTERNATE CHOICES

Class	Reg #	Class	Reg #
1. <u>English 9</u>	<u>1</u>	1. <u>English 9</u>	<u>1</u>
2. <u>Civics</u>	<u>10</u>	2. <u>Human Geography</u>	<u>11</u>
3. <u>Geometry</u>	<u>22</u>	3. <u>Geometry</u>	<u>22</u>
4. <u>Physics 9</u>	<u>30</u>	4. <u>Physics 9</u>	<u>30</u>
5. <u>Computer Skills</u>	<u>40</u>	5. <u>Physical Education 9</u>	<u>50</u>
6. _____	___	6. _____	___
7. _____	___	7. _____	___
Alternate Choice 1. _____	___		
Alternate Choice 2. _____	___		

Parent/Guardian Signature _____

Student Signature _____

Date due in Geography class: _____

(The registration manual is available to view or print on the guidance office page of the NRHEG secondary school website.)

Green

Registration Form

Name _____

Present Grade 9

YOU MUST HAVE CLASSES LISTED IN LINES 6 & 7 AND ALTERNATE CHOICES

Class	Reg #	Class	Reg #
1. <u>English 10</u>	<u>2</u>	1. <u>English 10</u>	<u>2</u>
2. <u>American History</u>	<u>12</u>	2. <u>American History</u>	<u>12</u>
3. Circle One Choice: Intermediate Algebra		or Advanced Algebra	
4. <u>Biology</u>	<u>31</u>	4. <u>Biology</u>	<u>31</u>
5. <u>Phy Ed/Health</u>	<u>51</u>	5. <u>Phy Ed/Health</u>	<u>51</u>
6. _____	_____	6. _____	_____
7. _____	_____	7. _____	_____
Alternate Choice 1. _____			
Alternate Choice 2. _____			

Parent/Guardian Signature _____

Student Signature _____

Date Due in Human Geography: _____

(The registration manual is available to view or print on the guidance office page of the NRHEG secondary school website.)

Yellow

Registration Form

Name _____

Present Grade 10

1. English: Students must complete at least one reading oriented and one writing oriented course among the four semesters of Jr./Sr. English that are required for graduation. Please indicate your top two English choices for next year, and your top two alternate choices.

Preferred English Choices

Alternate English Choices

Class	Reg #	Class	Reg #
2. <u>World History</u>	<u>13</u>	2. <u>Money Mgmt./Careers</u>	<u>13</u>
3. Circle One Choice: Adv. Algebra or College Algebra/Trigonometry			
4. _____	_____	4. _____	_____
5. _____	_____	5. _____	_____
6. _____	_____	6. _____	_____
7. _____	_____	7. _____	_____

Alternate Choice 1. _____

Alternate Choice 2. _____

Parent/Guardian Signature _____

Student Signature _____

Date Due in Biology: _____

(The registration manual is available to view or print on the guidance office page of the NRHEG secondary school website.)

Blue

Registration Form

Name _____

Present Grade 11

1. English: Students must complete at least one reading oriented and one writing oriented course among the four semesters of Jr./Sr. English that are required for graduation. Please indicate your top two English choices for next year, and your top two alternate choices.

Preferred English Choices

Alternate English Choices

Class _____ Reg # _____

Class _____ Reg # _____

2. Circle one: Amer. Gov't *or* College Amer. Gov't

2. Circle one: Econ. *or* Microecon. *or* Ag Econ.

3. _____

3. _____

4. _____

4. _____

5. _____

5. _____

6. _____

6. _____

7. _____

7. _____

Alternate Choice 1. _____

Alternate Choice 2. _____

Parent/Guardian Signature _____

Student Signature _____

Date Due in MMC Class: _____

(The registration manual is available to view or print on the guidance office page of the NRHEG secondary school website.)

White