

BIGFORK SECONDARY SCHOOL

2018-2019

REGISTRATION MANUAL & COURSE OFFERINGS

BIGFORK SCHOOL MISSION STATEMENT

We, the staff of Bigfork School, in dedicated partnership with parents, volunteers and community leaders, maintain our mission to prepare all students for success beyond high school. Through effective instruction, rigorous coursework and authentic assessment, students will receive challenging, college-preparatory curriculum.

Our progress in this ongoing mission will be noted only when every student is performing at or above grade level in all disciplines and only when every student meets or exceeds expectations on all state assessments.

"Bigfork School: Preparing our future, now."

PLAN AHEAD TO DO YOUR BEST

BIGFORK HIGH SCHOOL REGISTRATION INFORMATION

School Year of 2018-2019

The Mission Statement for Bigfork School, as with the entire District 318 system, is Atogether, teaching and learning for life ... to achieve excellence. With this in mind as we move into the new school year, we want to achieve the most that we possibly can.

Student Responsibility

Students are responsible for monitoring their credits. If you are unsure of your credit or standard achievement, schedule an appointment with the counselor. Failure to pass a class can make it difficult to schedule a replacement class and may make it hard to graduate on time. Do your absolute best at all times.

Graduation Requirements

Students graduating from Bigfork School must meet three requirements.

1. Students must pass the Minnesota State Basic Skills Tests in reading, mathematics and writing.
2. The student must complete a minimum of 23 credits.
3. Students must complete
 - 3 credits in Science
 - 3 credits in Math
 - 4 credits in English
 - 4 credits in Social Studies
 - .5 credits in Health
 - 1 credit in Physical Education
 - 1 credit in The Arts
 - 6.5 Electives

The following courses can be used in full or in part to complete the 1 credit arts requirement: Band, Choir, Art 9-10, 2D Art, 3D Art, Ceramics, Mural Painting, Photography, and/or Web Page.

Economics and Personal Economics are required courses in the Social Studies area.

Special Advice

Every student should do two things: plan and check on their progress. This includes keeping parents involved and informed. Planning has become necessary because the new rules and requirements are strict and do not allow for low quality work. It is still required that students take 6 credits each year. If you fail a class or take less than the recommended level, you will need to find additional credits later, which can be difficult and expensive. In general, freshman will have between 0 and 6 credits, sophomores will have more than 6 credits, juniors will have more than 12 credits and seniors will have more than 18 credits. Careful planning can make your later years much easier if the basics have already been completed.

Checking on your progress implies two things. One is that you maintain an awareness of where you are at in each class. You must check with your teacher to be sure you are making enough progress to meet class requirements. If you need extra help talk with your teacher or the counselor. Keep parents informed of what you are doing in class and how well you are doing.

MEDIA-COMPUTER COURSE OFFERINGS

BEGINNING COMPUTER

COMMUNICATIONS

1131

Required Course

Grade 7

Semester

Credit: .5

Students will learn and demonstrate learning of the keyboard and computer. Students will use Microsoft Word as their word processor. Students shall use appropriate technology to access, evaluate, and organize information-produce products on the computer.

COMPUTER SKILLS/ INTERNET 1132

Prerequisite: **Keyboarding**

Elective Course

Grades 10, 11, 12

Semester

Credit: .5

The course is an introduction to the computer and the major applications of the computer using Microsoft Office. The course includes internet & email usage with Microsoft Word, Excel (spreadsheets), and Powerpoint. A major Powerpoint presentation is a final project for all students.

WEB PAGE DESIGN

1233

Prerequisite: **Computer Applications would be useful but not required.**

Elective

Grades 10, 11, 12

Semester

Credit: .5

This course is designed to teach students how to survey, develop and create a web site for publication on the internet for world use. The major product of this class is the development of a personal web site using the Microsoft Front page.

FINE ARTS - COURSE OFFERINGS

ART 8

1110

Required Course

Grade 8

Semester

Credit: .5

Students will create 2 dimensional & 3 dimensional projects that include drawing, painting, design, sculptures and ceramics. Art appreciation and the history of art will be introduced. Minnesota Academic Standards will be covered.

Electives in this handbook will meet all or part of the Minnesota Academic Standard required for graduation.

ART 9-10

1111

Prerequisite: **Art 8**

Elective

Grades 9, 10

Semester

Credit: .5

The principals of design and composition will be explored in depth through drawing, printing, sculpture painting, etc. Art History critiques will also be emphasized. Students will recognize various artists and their movements.

SENIOR HIGH ART - 2D

1112

Prerequisite: **Art 8**

Elective

Grades 10, 11, 12

Semester

Credit: .5

Two dimensional projects will be offered to challenge students in these areas: drawing, painting, collage, prints, graphics, etc. They will demonstrate self-expression and creative ideas that represent the world around them. Also, Art history will be introduced with all assignments.

This class will rotate every-other year with Advanced 2D. *Offered 2016-2017 School Year.*

ADVANCED 2D ART

1212

Prerequisite: **2D Art**

Elective

Grades 11, 12

Semester

Credit: .5

This class takes off where 2D ended. We will concentrate on advanced drawing and painting techniques. Weekly sketch book assignments will be given to assist students in planning their projects and time will be spent on art history and art criticism.

CERAMICS

1113

Prerequisite: None

Elective

Grades 10, 11, 12

Semester

Credit: .5

Students will learn the four basic methods of hand building: pinch, coil, drape and press mold. Using these methods students will construct various kinds of bowls, masks, teapots, cookie jars, and ceramic sculpture. Ceramic decoration will also be taught. The potters wheel will be taught as an independent opportunity for the students.

PHOTOGRAPHY

1114

Prerequisite: None

Elective

Grades 11, 12

Class size: 15

Semester

Credit: .5

Photography is an introductory course which is designed to acquaint students with the use of various cameras, film developing, printing and enlarging photos. Composition will be taught along with experimental techniques.

All assignments will be done in black and white.

It is best if the student has his/her own camera.

A lab fee of \$10 will be charged for this course.

SENIOR HIGH ART - 3D

1115

Prerequisite: **Art 8**

Elective

Grades 10, 11, 12

Semester

Credit: .5

Three dimensional Art will be introduced through various forms of sculpture. Clay, wire, plaster and formed objects will be used to create student's art work. Artists that use these techniques will be discussed along with group critiques.

Offered 2017-2018 School Year.

MURAL PAINTING

1116

Prerequisite: **Senior High 2D (A must!)**

Elective

Grades 11, 12

Semester

Credit: .5

Students will learn and develop the skills necessary for painting large and small scale murals. Students will learn basic painting techniques, mural design and have the opportunity to paint various murals in the Bigfork School.

BOOK ARTS AND CRAFTS

1117

Prerequisite: None

Elective

Grades 10, 11, 12

Semester

Credit: .5

This class will begin with a brief history of paper and book making. We will explore various ways of making paper and constructing art books. Students will be creating functional and sculptural books. Various crafts related to book making will be taught.

ARTS AND CRAFTS

Prerequisite: None

Elective

Grades

Class Size: Max 16

Credit: .5

This course will deal with the use of craft in contemporary society and historical use by other cultures. We will create crafts using a wide variety of materials and techniques. Projects will

include batik, felting, tie dye, basket weaving, carving, candle making, and many more.

MUSIC - COURSE OFFERINGS

GENERAL MUSIC 7 1101

Prerequisite: None

Required

Grade 7

Semester

Credit: .5

Students will cover music theory, performance, classical music, pop (modern) music, learn to play the guitar and compile a vocabulary list from the semester. They will be assessed weekly on the materials covered. All of this is in compliance with the National Graduation Standards for Music.

BAND 1102, 1103

Prerequisite: None

Elective

Grades 7-12

Year - 3 days/week

Credit: .5

No audition is required for admission. Chair placement auditions will occur in September and January. Band members must have an excitement and willingness to work for the success of the group. Three (3) band lessons are required per quarter. They must learn their specific parts and participate in the winter and spring concerts, as well as the MSHSL music contest. Solo and small group participation is open to students in grades 9th-12th only. All of this is in compliance with the National Standards for Music.

CHOIR 1104, 1105

Prerequisite: None

Elective Course

Grades 7-12

Year - 2 days/week

Credit: .5

No audition is required for admission. Voice checks will be done periodically to determine section placement. Choir members must have an excitement and willingness to work for the

success of the group. Three (3) choir lessons are required per quarter. The students must learn their specific parts and participate in the winter and spring concerts, as well as the MSHSL music contest. Solo and small group participation is open to students in grades 9th-12th only. All of this is in compliance with the National Standards for Music.

INDUSTRIAL TECHNOLOGY- COURSE OFFERING

BASIC WOODS 1161

Prerequisite: None

Elective

Grades 9, 10, 11, 12

Semester

Credit: .5

This class builds on the information learned in Industrial Technology class. Students will learn the proper use of hand tools and how to take care of them. They will learn the proper safety procedures for all the wood shop equipment. They will learn how to read a ruler, design a project and how to assemble and build it.

A shop fee will be assessed for the material used. They will be required to buy safety glasses.

CABINET MAKING 1162

Prerequisite: **Basic Woods**

Elective

Grades 10, 11, 12

Semester

Credit: .5

Cabinet Making is a cooperative program between Bigfork High School and Mesabi Range College Carpentry Program. Students will improve on the skills they learned in Basic Woods. They will construct a major woods project. They will design and build a project such as an Entertainment Center, Gun Cabinet, or other such cabinetry of this nature. Use of the Lathe will be taught. Finishing of a project and refinishing of projects will also be covered.

A shop fee will be assessed for use of materials. They will be required to buy safety glasses.

BASIC COMPUTERAIDED

DRAFTING/DESIGN

1163

Prerequisite: None

Elective

Grades 10, 11, 12

Semester

Credit: .5

Students will learn Auto Cad. This program is one that is used in Industry and at most Vo-technical schools. The class is divided into two parts: Architectural and Mechanical drafting skills. The 1st quarter will explain the haws and whys of drawing more than one view of a mechanical drawing. The 2nd quarter will cover the basic of what is needed to draw up a house.

ADVANCE COMPUTER AIDED

DRAFTING/DESIGN

1164

Prerequisite: **Basic CAD/D**

Elective

Grades 11, 12

Semester

Credit: .5

This class will take the knowledge learned in Basic CAD and improve on it. The students will learn more of the codes and why they are important. They will concentrate on one of the two Architecture or Mechanical drafting. On the Mechanical side they will design a machine part with all the information needed to build this part. On the Architectural side they will design a house with all the information needed to build this house.

SMALL ENGINES

1165

Prerequisite: None

Elective

Grades 9, 10, 11, 12

Semester

Credit: .5

Students will go through reading and using the information from a manual for a Briggs engine. Students will read through the manual, disassemble, inspect, repair and reassemble the engine. This will require step by step information and specialized vocabulary used in an automotive shop.

This class will require the student to bring in a

BRIGGS & STRATTON ENGINE to take apart.

!!!!Engine must be under a five horse!!!!

BASIC MAINTENANCE WELDING AND CUTTING

1166

Prerequisite: None

Elective

Grades: 10, 11, 12

Semester

Credit: .5

This class will expand on the skills learned in Basic Metals. The students will learn how to weld butt welds, T-welds, lap welds, in both gas and arc. Wire feed will also taught both steel and aluminum. Students will learn the symbols and skills required to weld projects.

Shop fee will be charged for materials. Safety glasses/coveralls will be required.

ADVANCED METALS

1167

Prerequisite: **Basic Welding**

Elective

Grades 11, 12

Semester

Credit: .5

Students will build on the knowledge acquired in Basic Metals and Basic Welding. Two class projects will be required. These projects will demonstrate the student=s mastery of their skills.

All aspects of this class will be more in-depth in what each student is working on.

Shop fee will be charged for materials that are used. Safety glasses required.

AUTOMOTIVE TECHNOLOGY

1168

Prerequisite: **Small Engines**

Elective

Grades 11, 12

Semester

2-Hour Block

Credit: 1

This course will expose the students to basic automotive systems. Students will be able to maintain and repair their own vehicle, or as a foundation for further education in automotive technology. Students will do daily lab work on

their own cars. The areas that will be covered are: brake systems, charging systems, drive line, tune-up, including ignition, carburetor, and computer systems. **Protective clothing and OSHA approved safety glasses are required.**

HAND and POWER TOOLS 1169

Prerequisite: **Basic Woods**

Elective

Grades 10, 11, 12

Semester

2 -Hour Block

Credit: 1

Building Construction is a cooperative program between Bigfork High School and Mesabi Range College Carpentry Program. The program is designed to expose students to the use of hand and power tool use. It will also help students develop the technical and life skills needed to enter the construction trades.

Program Goals:

- Provide students with knowledge of building trades.
- Exposure to career opportunities in the residential construction industry
- Use tools, materials, devices and processes in a correct and safe manner
- Communicate effectively through speaking and writing in all related areas
- Use problem solving skills in real world situations
- Provide students with entry level construction knowledge, skills and attitudes applicable to the building trades industry
- Participate in the construction of a structure.

LANGUAGE ARTS- COURSE OFFERINGS

Minnesota Academic Standards require that students earn four credits of English during grades 9-12.

Language Arts 7-8 1121

Required

Year

Credit: 1

Language Arts is designed to increase student's reading, writing, speaking and listening skills. While reading fiction, nonfiction and poetry connected to a central theme, each student will be learning and utilizing the writing process by writing journal entries, personal and fictional narratives, original and sophisticated poetry and persuasive essays. Through the writing process, students will receive individualized instruction in writing elements such as style, purpose, theme, metaphor, symbolism, paragraphing, grammar usage, spelling and punctuation.

Freshman Lit/Comp 1122,1222

Prerequisite: **Language Arts**

Year

Credit: 1

Freshman literature and Composition will integrate early and modern American literature with extensive writing composition practice. A major component of the instruction will involve thorough preparation for the 2014 MCA Writing Test. Thematic units taught will often conclude in expository or persuasive assessment products. Literature study will involve interpretation, analysis and evaluation of significant works of American fiction, nonfiction, poetry and drama. Performances may include monologues, independent scenes and one-act plays.

Drama as Literature and Performance 1123

Grades 10, 11, 12

Prerequisite: **English 9**

Required

Semester

Credit .5

Drama will combine script analysis and interpretive performance. Students will be immersed in theater activities while reading monologues, short plays, and full length plays and studying both literacy and dramatic elements in each work. Major plays studies may include *Wit*, one-act plays of Samuel Beckett, *Othello* and *Fences*. Performances will include monologues, excerpted scenes and one-act plays.

Creative Writing/Poetry 1124

Grades 10, 11, 12
Required
Semester
Credit: .5

Creative Writing/Poetry will immerse students in the art of the written word. Students will be responsible for analyzing and critiquing literary works as well as drafting and publishing original pieces. This class will demand creative thought, risk taking and literary study. Literary elements, styles and techniques will be analyzed and ultimately implemented in student writing.

Shakespeare/British Literature 1224
Grades 10, 11, 12
Required
Semester
Credit: .5

Shakespeare/British Literature will examine the historical canon of British literature, including but not limited to at least two Shakespeare plays – one comedy and one tragedy – as well as short stories, poetry and novels from such authors as Milton, Conrad, Chaucer. Genres studied will include novels, poetry, short stories and dramas. Written compositions as well as individual and group presentations will comprise major curriculum assessments. *Offered Fall of 2018*

American Literature 1128
Grades 10, 11, 12
Elective
Semester
Credit: .5

American Literature will examine the historical canon of American writers as well as immerse students in contemporary American literature. This class will look at the development of literature in America chronologically. Students will read novels, short stories, poetry, articles and dramas from United States' authors, including the literature of those whose cultural influence has changed our nation. Students will read, interpret, and analyze literature, creating

compositions such as literary analyses and original fiction.

Multicultural Literature 1129
Grades 10, 11, 12
Elective
Semester
Credit: .5

Multicultural Literature will expose students to literature from various cultures across America and across the world. Students will read engaging texts that explore themes such as *racism*, *assimilation*, *discrimination*, and *sexism*. Students will reflect on, interpret and analyze the literature, while discussing overarching themes like *tolerance*, *inclusion* and *respect*. Written compositions, journaling, and public speaking will be a focus of this course.

World Literature 1135
Grades 10-12
Credit .5

World Literature will expose students to literature from beyond the United States. Students will study novels, short stories, poetry and dramas from various regions of the world. Student assessments will be comprised of journal work, written compositions as well as group projects and presentation. *Offered Fall of 2017*

Composition I and Composition II CIS

Composition I and Composition II are College in the School (CIS) courses which provide college-level instruction to high school students at Bigfork High School through a partnership with Itasca Community College. The content focuses on the writing of expository essays and on research. Students will utilize all components of the writing process, will understand and utilize persuasive writing strategies, will write

effectively for a variety of purposes, will properly incorporate research into compositions and will accurately document sources in MLA> Literature-bases discussions will provide models and the impetus for writing exercises and assessments. College credit may be earned for this course if requirements are met.

Composition I---grades 11 and 12---fall of 2016

(application is necessary)

Composition II---grades 11 and 12---spring 2017

(must have successfully completed Comp I)

WORLD LANGUAGES

SPANISH I 1250, 1450

Prerequisite: "C" GPA average/ or Instructor Approval

Elective

Grades 9, 10, 11, 12

Year

Credit: 1

Class Size: 28

Spanish I introduces students to the Spanish language and culture through communicative centered activities. Students will be able to speak, listen, write, and read in Spanish on the following themes: Describing Yourself, School, Pastimes, Food, Family, Shopping, Travel, The House, Health, The Community, Television and Movies, and The Mexican Restaurant. The vocabulary, grammar and culture covered will relate to the above mentioned themes to allow for effective communication.

SPANISH II 1251, 1451

Prerequisite: "C" Average in Spanish I /or Instructor approval

Elective

Grade 10, 11, 12

Year

Credit: 1

Spanish II builds upon the themes of Spanish I to expand student knowledge of the Spanish language

and culture. Activities are centered on communication, and students will be able to speak, listen, write and read in Spanish at a more advanced level on the following themes: School, Daily Routine, Clothing, Childhood Celebrating, Necessity & Luxury, Shopping, Health, Television & Movies, The Future, and Travel. The vocabulary, grammar, and culture covered will relate to the above themes to allow for effective communication in the present and past tenses.

SPANISH III 1252, 1452

Prerequisite: "C" Average in Spanish II /or Instructor Approval

Elective

Grades 11, 12

Year

Credit: 1

Spanish III builds upon the themes of Spanish I and II to expand student knowledge of the Spanish language and culture. Activities are centered on communication, and students will be able to speak, listen, write, and read in Spanish at an advanced novice level.

MATHEMATICS-COURSE OFFERINGS

Minnesota Academic Standards require that students earn three credits of Math during grades 9-12.

MATHEMATICS 7 1140

Required

Grade 7

Year

Credit: 1

The emphasis of the course consists of units developing a major concept or cluster of related concepts. The units are designed to meet the NCTM Standards for seventh grade mathematics. Areas covered: Introductory Algebra, Similarity, Rate, Ratio, Proportion, Percent, Understanding Integers, Linear Relationships, 3-D measurement, Probability and Number Sense. Graphing calculators will be used.

LINEAR ALGEBRA 8 1141

Prerequisite: Grade 7

Required

Grade 8
Year
Credit: 1

Linear Algebra will explore variables and expressions using integral and rational values. They will be solving one to multiple step algebra equations and inequalities. The emphasis will be on all linear algebra using slopes and intercepts concepts and it's applications or uses in real life situations. Other areas covered will be Slope intercept form, point slope Form , inequalities, direct variation ,data ,exponents, geometry, probability, and many other concepts.

Intermediate Algebra 1142,
1242

Prerequisite: **Grade 6-8 Math**
Required
Grade 9,10,11,12
Year
Credit: 1

The curriculum featured in this course is shown as strands. There are strands of Algebra, Functions, Geometry, Trigonometry, Statistics and Probability, and Discrete Math. This is the first of three years required to fulfill graduation standards. All 9th grade students are required to take this course.

GEOMETRY 1143, 1243
Prerequisite: **Algebra I**
Required
Grades 10, 11, 12
Year
Credit: 1

The curriculum in this course is an extension Core-Plus I. There are strands of Algebra, Functions, Geometry, Trig., Statistics-Probability, and Discrete Math at a higher level. With the State Mandated Profiles, this is the second of three years required to fulfill graduation standards. All 10th grade students are required to take this course.

ALGEBRA II 1144, 1244
Prerequisite: **Algebra I**
Required
Grades 11, 12
Year
Credit: 1

This course has the following 4 math areas, algebra, geometry and trigonometry, statistics and probability, and discrete math which are stranded in the first through fourth year of Core Plus. It is the final course required to fulfill the state requirements. Some of the topics covered will be patterns of chance, multiple-variable models, functions, geometry, modeling discrete model of change and variation. The course will be taught with the discovery method & group projects format.

PRE-CALCULUS 1145, 1245
Prerequisite: **Algebra II**
Elective
Grades 11, 12
Year
Credit: 1

This course is designed for students that have completed Core I, II, & III. We will cover topics of functions, trigonometry, inverse, inequalities, exponents, and logarithmic matrices, vectors, probability, statistics and an introduction to calculus using limits and derivations.

ALI Applied Math 1146, 1246
Grades 10, 11, 12
Year
Credit: 1

This Applied Mathematics Course will cover topics to prepare students for successful completion of career technical programs intended for employment. Four Itasca Community College Credits in a technical program will be provided that a C or better is received for the course. This credit will be transferrable to other technical programs in the Northeast Higher Education District. Topics include Basic Number Operations and Practical Trade Applications including Measurement, Ratios and Proportions, Algebra and Geometry, Area and Volume, Right Angle Trigonometry, Statistics and Variation.

PHYSICAL EDUCATION HEALTH - COURSE OFFERINGS

District Policy requires that students earn .5 credit of Health and 1 credit of Physical Education during grades 9-12. The maximum credits a student may take is 2 Physical Education credits in grades 9-12.

Minnesota State Standards for all Physical Education Course Offerings

- 1.) Demonstrate competency in motor skills and movement patterns needed to perform a variety of physical activities.
- 2.) Demonstrate understanding of movement concepts, principles, strategies and tactics as they apply to the learning and performance of physical education.
- 3.) Participate regularly in physical activity.
- 4.) Achieve and maintain a health-enhancing level of fitness.
- 5.) Exhibit responsible personal and social behavior in physical activity settings.
- 6.) Value physical activity for health, enjoyment, challenge, self-expression and/or social interaction

PHY ED 7 1201
Required
Grade 7
Semester
Credit: .5

Respectful, courteous and trustworthy behavior is expected of all students and is the foundation of the 7th grade Physical Education curriculum. Students review fundamentals and skills learned at the elementary level. Lead up activities and games are used for skills practice while group and/or team activities are used to promote the development of appropriate cooperative and competitive behavior. Course units include: flag football, ultimate football, volleyball, basketball, floor hockey, team handball, recreational games, softball, NASP and fitness evaluation.

PHY ED 8 1202
Prerequisite: **Phy Ed 7**
Required
Grade 8
Semester
Credit: .5

Respectful, courteous and trustworthy behavior is expected of all students and is the foundation of the 8th grade Physical Education curriculum.

Majority of time is spent on group and team activities with an emphasis on further developing appropriate cooperative and competitive behaviors. Students will also be involved in instructor directed and self directed fitness evaluation. Students will be required to identify areas of strength and weakness of their personal fitness. Units include but are not limited to: flag football, volleyball, weight room orientation, basketball, team handball, lacrosse, softball, rec. games, NASP and fitness evaluation.

PHY ED "ONE" TEAM SPORTS 1218
Open to Grades 9-12 needing a Phy Ed Credit
Elective
Grades 9, 10, 11, 12
Semester I
Credit: .5
Enrollment: 30

Respectful, courteous and trustworthy behavior is expected of all students and is the foundation of the Physical Education "One" curriculum. This course focuses on cooperation and participation at a **competitive** and **vigorous** level in team sports and activities. Students will have the opportunity for development of skills and understanding of appropriate competitive behaviors. Activities include, but are not limited to: volleyball, flag football, soccer, speedball, ultimate basketball, floor hockey, team handball, and dodge ball.

PHY. ED. "TWO" RECREATIONAL ACTIVITIES 1228
Open to Grades 9-12 needing a Phy Ed Credit.
Elective
Grades 9, 10, 11, 12
Semester II
Credit: .5
Enrollment: 30

Respectful, courteous and trustworthy behavior is expected of all students and is the foundation of the Physical Education "Two" curriculum. This course focuses on personal fitness at a **moderate, recreational** level of participation in individual, dual, and team activities. Students will have opportunity to participate in a variety of activities that encourage movement and promote personal wellness. Activities include, but are not limited to: racket sports, archery, walk/job-pedometer, frisbee, weight room, volleyball, basketball and floor

hockey.

STRENGTH TRAINING/PERSONAL FITNESS

1210, 1220

Open to Grades 10, 11, 12

Elective

Semester

Credit: .5

Enrollment: 15

The primary focus of this class is to learn, understand and apply basic principles of strength training. It is held primarily in the weight room. Students will also have opportunity to improve personal fitness in the areas of flexibility, agility, speed and endurance. Students taking this course should be self-motivated to improve their personal fitness level, especially in the area of strength development. Students will be required to assess their current levels of fitness, set personal goals and re-assess for progress. Students will also be required to maintain personal journals that document daily work and progress.

HEALTH 8

1206

Required

Grade 8

Semester

Credit: .5

Students begin to explore/study the following issues in health: nutrition; alcohol, tobacco and other substances; first aid; diseases (communicable /non-communicable); human sexuality (puberty, values and choices); and HIV and STI=s. Students will demonstrate understanding of decision making processes and personal health processes that promote good decisions regarding these issues. This course will meet all National Academic Standards for Health 8.

HEALTH 10

1207

Required

Grade 10

Semester

Credit: .5

Students will take an in-depth look at the following topics: physical fitness/nutrition; alcohol, tobacco and other substances; STI=s and unintentional pregnancies; and intentional and unintentional

(first aid) injuries. Students will demonstrate understanding of decision-making processes and community health practices that promote good decisions regarding these issues. This course is required and will count .5 credits towards graduation.

SCIENCE- COURSE OFFERINGS

Minnesota Academic Standards require that students earn three credits of Science during grades 9-12. Electives offered in this handbook will meet all or part of the Minnesota Academic Standards requirements for graduation.

Middle School LIFE SCIENCE 7 1150

Required

Grade 7 and 8

Year

Credit: 1

Students will study the structure and function of living things. This study will begin at the cellular level and move to the genetics behind who we are.

There will be units on origins of life, as well as the study of ecosystems, the environment and finally diversity of organisms and their classifications. Emphasis throughout the year will be placed on scientific methods of discovery. This course will meet all Minnesota Academic Standards 7th Life Science.

Middle School EARTH SCIENCE 8 1151

Prerequisite: **Science 7 and 8**

Required

Grade 8

Year

Credit: 1

Earth Science is a composite of science which covers many different areas. Equal time will be given to the study of the earth's forces, which includes volcanoes, earthquakes, rocks and minerals; the atmosphere, which includes various aspects of our weather; and astronomy as we look at the earth, moon and solar system. There will be

continued emphasis placed on scientific methods of discovery. This course will meet all Minnesota Academic Standards in the areas of 8th grade Earth science.

PHYSICAL SCIENCE 9 1152, 1352

Prerequisite: **Science 7 & 8**

Required

Grade 9

Year

Credit: 1

Physical science consists of topics which are introductory to the fields of Chemistry and Physics and Engineering. The first semester will mostly be physics with Engineering interwoven throughout. There will be an emphasis on problem solving techniques and the use of lab activities to enhance the learning experience. This course will meet all Minnesota Academic Standards in the areas of 9th grade Physical Science and will meet 1.0 of the required Science credits needed towards graduation.

BIOLOGY 10 1153, 1353

Required

Grades 10

Credit: 1

This course is designed to give students a general background in the major concepts, investigative lab procedures, and terminology of the biological sciences. The units include cell biology, origins, genetics, biochemistry, environmental science, This course will meet all Minnesota Academic Standards in the areas of 10th grade Life Science and will meet 1.0 of the required Science credits needed toward graduation.

FORENSIC Science 1154, 1354,

Elective

Grade 11-12

Semester

Credit: 0.5

This course consists of class work and lab work covering a variety of forensic topics including: fingerprinting, handwriting analysis, chromatography, blood analysis, determining the time of death of a dead body, and arson. Depending on the year there is a possibility of doing a pig autopsy.

GENERAL CHEMISTRY

115,1355

Prerequisite: Physical Science 9

Elective

Grades 11, 12

Year

Credit: 1

This course includes the study of atomic structure, molecules and ionic structures. This includes the forces that govern the interaction between these structures. Also included are the use of a variety of laboratory procedures to analyze these structures and their characteristics. This course will meet all Academic Standards in the area of Chemistry 10-12 and will meet the 1.0 of the required Science credits needed toward graduation.

ADVANCED CHEMISTRY

1148, 1248

Prerequisite: **"C" or better in Biology 10 or instructor approval**

Elective

Grade 11-12

Credit: 1

This course is an alternative to General Chemistry for those students who wish to pursue careers requiring a strong chemistry foundation. It will be an advanced approach to the study of atomic structure, molecules and ionic structures. It will include all topics of General Chemistry but go into more depth in order to better prepare student who wish to learn at a more rigorous pace. This class will also use a wide variety of lab techniques and procedures to analyze structures and characteristics. This course will meet all academic standards in the area of Chemistry 10-12 and will meet 1.0 of the required Science credits needed towards graduation. \

GENERAL PHYSICS

1157,1357

Prerequisite: Physical Science 9

Elective

Grades 11, 12

Year

Credit: 1

This course covers the study of forces that shape the universe and everything in it. Some of the

topics covered are mechanics of motion, thermodynamics, light, sound, electricity, nuclear physics, fluid physics, fluid dynamics and relativity. This course is based on problem solving and the understanding and use of the discussed concepts. Lab activities are used in this course to enhance the learning experience.

1

ADVANCED PHYSICS 1149, 1249

Prerequisite: "C" or better in Bio 10 or instructor approval.

Elective

Grade 11-12

Credit: 1

This course is an alternative to General Physics for those students who wish to pursue careers requiring a strong physics foundation. It will be an advanced approach to the study of forces that shape the universe and everything in it. It will include all topics of General Physics but go into more depth in order to better prepare students who wish to learn at a more rigorous pace. This class requires a strong background in math and will use various in class labs to enhance the learning process. This course will meet all academic standards in the area of Physics 10-12 and will meet 1.0 of the required Science credits needed towards graduation.

ENVIRONMENTAL SCIENCE 1158, 1358

Prerequisite: Biology 10

Elective

Grades 11, 12

Year

Credit: .5

This course is designed to focus on various environmental issues as they relate to our ecosystems. There will be some emphasis on river studies, water sheds, and how to protect our local resources, as well as looking at land, air and water issues on a global basis.

HUMAN PHYSIOLOGY/ANATOMY

1159, 1359

Prerequisite: **Biology 10 with a "C" Average or better-or consent of instructor.**

Elective

Grades 11, 12

Semester

Credit: .5

Class size limit: 20

This course is recommended for those looking at a health or medical related field. It will cover biochemical and physical processes of the human body as related to the different systems. Lab work may include dissection, measurement of different processes and onsite visits to the local hospital.

SOCIAL STUDIES- COURSE OFFERINGS

Minnesota Academic Standards and/or District Policy require that students earn four credits of Social Studies during grades 9-12.

AMERICAN HISTORY 1180

(1861- Present)

Required

Grade 7

Year

Credit: 1

In this interdisciplinary course, students study American culture. Topics will include the early history of our nation; immigrants (both past & present); the diversity of our society; lifestyles; and issues that unite and divide us. Students will learn basic concepts in government, citizenship and economics. The influence of geographic regions in our country will be studied. **MN State Standards: meets standards set forth by the state of Minnesota in the area of Social Studies.**

WORLD CULTURES/GEOGRAPHY 1181

Required

Grade 8

Year

Credit: 1

This course begins with the study of essential geography skills using the five themes of geography: *location*-interpreting physical maps and globes, using latitude and longitude, time

zones; *place*-interpreting thematic maps, reading graphs and tables and population pyramids; *human/environmental relations*- pollution, adaptation to difficult environments, resources; *movement*-land and ocean transportation routes, cultural expansion, global interdependence; *regions*- communities, global politics and cultures. Students will compare world cultures and the issues that both unite and divide regions of the world. **MN State Standards: meets standards set forth by the state of Minnesota in the area of Social Studies.**

CIVICS 9 1182

Required
Grade: 9
Semester
Credit: .5

This curriculum is designed to meet four main goals of civic education:

1. To instill in students the qualities of good citizenship that will enable them to put their knowledge into action.
2. To provide students with a thorough understanding of our nation=s system of government.
3. To provide students with the skills they will need to participate fully in a democratic society.
4. To familiarize students with the contemporary issues that face the United States, so that they will make wise decisions on which the nation's future depends.

MN State Standards: meets standards set forth by the state of Minnesota in the area of Social Studies.

EARLY AMERICAN HISTORY 1282

(Early beginnings - 1820's)
Required
Grade 9
Semester
Credit: .5

The early American History course will study how America came to be. We will study the first inhabitants to the continent, the European exploration of American, the colonial period, and the growth of the colonies. The course will also cover the founding of our nation by studying the colonists= interaction with Great Britain and the Revolutionary War. Finally, we will look at the formation of the new republic and the westward

expansion. **MN State Standards: meets standards set forth by the state of Minnesota in the area of Social Studies.**

US HISTORY 1183, 1283

Required
Grade 10, 11, 12
Year
Credit: 1

After briefly reviewing the Declaration of Independence and the United States Constitution, students will study the historical development of the United States and its people with an emphasis on the 20th century. This course covers American History from the pre-civil war through the modern period. Areas of study are: Expansionism, Civil War, industrial revolution, reform movement, boom and bust in the 1920's and 1930's, WWI, WWII, post-war America, the Vietnam War era, the Cold War, the Civil Rights Movement, and America today. This course alternates every other year with World History. **MN State Standards: meets standards set forth by the state of Minnesota in the area of Social Studies.**

WORLD HISTORY 1184, 1284

Required
Grade 10,11, 12
Year
Credit: 1

World history is a record of the adventures of humankind - both the famous and the ordinary - throughout thousands of years. Students will learn about those adventures. Several themes will be considered throughout the course - cultural diffusion, cooperation and conflict; change and innovation; political, social and values systems; global interaction; and the impact on the individual. This course alternates every other year with U.S. History.

MN State Standards: meets standards set forth by the state of Minnesota in the area of Social Studies.

ECONOMICS

1185

Required
Grade 10, 11, 12
Semester
Credit: .5

Students will study the basic concepts of economics. This course will explore the study of national and international economics as well as the economics of the individual and family. Concepts include scarcity of resources, individual consumption, factors of production, supply and demand, labor unions, business organizations, competition and monopolies, marketing and investing, savings, a free economy as opposed to a traditional and controlled economy, and government taxation and spending policies. Students will also complete a stock market simulation.

MN State Standards: meets standards set forth by the state of Minnesota in the area of Social Studies.

PERSONAL ECONOMICS MANAGEMENT

1186

Required/Elective
Grades 10, 11, & 12
Semester
Credit .5

This course will deal with issues related to consumer economics and personal finance. Topics include automobile and health insurance, credit cards, loans, income taxes, investments, interest rates, bankruptcy and consumer rights.

MN State Standards: meets standards set forth by the state of Minnesota in the area of Social Studies.

VARIOUS ELECTIVES

JOURNALISM

1134

Elective
Prerequisite: **Application and GPA and/or teacher approval.**
Grade 12
Semester

Credit: .5

Journalism is a course designed to immerse students in the world of bookmaking, publishing, journalism, marketing and advertising. This class will give students a real-world, hands-on experience in digital media and the graphic arts. Due to the vocation-like atmosphere of the classroom, students will be given a significant amount of independence, and, thus, must be self-motivated, curious, and task-oriented. Students will be expected to participate individually and collectively to plan, market, and create a high-quality yearbook.

OFFICE /TEACHER AIDE

1260

Prerequisite: Counselor and teacher approval
Elective Credit (You may *only* have .5 credit in your high school career.)
Grades 7-12
Semester
Credit: .25

Students can earn .25 credit by working as an office aide or teacher aide. It is up to the student to find an aide job and set up with the counselor. Attendance is a crucial requirement for success. If you have had more than four days of absence per quarter, you will not be accepted into this program. Grades will be given on a pass/fail basis. **Confidentially** is a *must* for this course.

WORK EXPERIENCE

1851

This class is an independent study course involving of in-class lessons and learning regarding personal interests, goals, career motivations, and job-skills training. The student will then be allowed to apply and interview for a "job" at a local business and explore that career field by working on the job-site for the remainder of the semester and/or school year. The student will meet monthly with Mrs. Prato once the students begin working out of school to discuss what they are learning on-site as well as to discuss job-readiness skills. Students must have excellent attendance, be ahead on credits, and complete an application with Mrs. Prato.

ONLINE COURSES 4444

There are online courses available to a small

number of students in grades 11 & 12. There are requirements that must be met, see Mrs. Prato for further information, or go to www.MNINFINITY.org to see a list of classes offered.

Dual-Credit Options for Juniors and Seniors

In Minnesota, concurrent enrollment courses are college courses offered at the high school, usually taught by a trained high school teacher. These are offered in partnership with a college or university. Students who successfully complete these courses generate both high school and transcribed college credit from the partnering postsecondary institution. Many people refer to these courses as College in the High School. There is no cost to the student to participate in these courses.

At Bigfork, students can choose the following courses in order to earn both high school and college credit through Itasca Community College:

- CIS Composition I
- CIS Composition II
- CIS Pre-Calculus
- CIS Health Care Careers
- CE: Solid Modeling

Students are also able to earn college credit through Mesabi Range College in the following courses:

- CE Hand and Power Tools
- CE: Basic Maintenance Welding and Cutting
- CE: Cabinet Making

****Our online course provider, MNInfinity, is also able to offer courses for dual-credit. Please see their website (www.mninfinity.org) for more information.*

****See Mrs. Prato for a list of courses that will be offered via Telepresence (some for dual-credit)! ☺*