

Introduction to the Birchwood High School Course Description Handbook

It is our hope that students and parents will use this booklet to choose courses that will help our students in their future endeavors. Research shows that today's young people will probably change their careers from five to seven times during their working lives. Young people who have a broad range of experiences will be better able to decide what areas they are interested in and would like to explore in greater detail. When thinking about next year's class schedule, please consider what the student's plans are for after graduation from high school. Careful planning, includes reviewing career and interest inventories, entrance requirements of a college or technical college, and the essential skills needed that potential employers will be looking for in an employee. Future plans should be realistic and flexible to allow for changes in interest and job availability.

The school counselor will meet with each student and parent to create a course schedule that reflects the student's future endeavors.

Graduation Requirements

Minimum of 28 credits to graduate

- Four credits of English – students will be required to take at least one credit in the reading area and at least one credit in the writing area.
- Four credits of Social Studies
- Three credits of mathematics for graduation, recommend 3 for college entrance
- Three credits of Science for graduation, recommend 3 for college entrance
- One and a half credits of Physical Education
- One credit of Health
- One credit for approved Portfolio – ½ credit junior year & ½ credit senior.
- Electives – Eleven and one quarter credit

College Entrance Requirements

University of Wisconsin System - Although each UW System University has somewhat different entrance requirements, these guidelines will help most students plan accordingly. The key is that each student must pass 17 academic units to qualify and have a high rank-in-class (upper 25-50%) and/or an ACT composite score in the mid-20's or higher.

Academic Requirements High School Units

English – 4 High School Units

Mathematics – 3 High School Units

Natural Science – 3 High School Units

Social Science /History – 3 High School Units

Academic Electives – Any of the above areas, world language, and other academic electives.

***See the school counselor to verify what Birchwood High School courses are considered core academic units for college entrance.

Students will not be admitted to UW-Madison, UW-Eau Claire or the University of Minnesota without at least two credits of one world language. UW-Madison recommends at least three years, with four years looked upon much more favorably. Two units of world language are required to graduate from UW-Platteville and UW-Milwaukee. No other UW campus requires world language for entrance. Retroactive credit can be awarded in college.

Vocational-Technical College Entrance Requirements

Some programs at vocational-technical colleges have specific entrance requirements. It is important to consult the vocational-technical college catalog to determine what admission requirements exist.

Schedule Change Policy

A student may drop or enroll in another course in the time sequence established by the school at the beginning of each semester.

Students will be provided with their upcoming schedules at least three weeks prior to the beginning of classes. Staff members of the school will make every attempt to accommodate the request for schedule change. Still, it is recognized that some requests will not be granted due to limitations on class size, limitations on class materials (i.e. textbooks, laboratory supplies, etc.), absence of pre-requisite courses, safety concerns. Final approval for all

class schedule changes rest with the administration. Staff will need to acknowledge receipt of class list schedule changes via a signature on the Schedule Change Form.

Student generated schedule changes may occur under the following conditions:

1. Student must not jeopardize grade level promotion or graduation by making the schedule change.
2. Students must complete the request for schedule change in advance of the first day of a new quarter.
3. Student must cite an explanation for the change.
4. Any change will require the written approval of the student's parents, and the guidance counselor.

Class Status Requirements

Sophomore status – Have earned 6 3/4 credits or more.

Junior Status – Have earned 13 1/2 credits or more.

Senior Status – Have earned 20 credits or more.

Students will be assigned a grade level based on the number of credits they have achieved, not according to years attended. This will allow only students who have achieved the correct number of credits to participate in events designated Sophomore, Junior, or Senior activities.

Students may change class status at semester. Check with the high school counselor regarding semester class status changes. Students will be allowed to change class status at semester providing they have achieved the appropriate number of credits. For movement at semester:

Sophomore – 10 1/2 credits or more.

Junior – 17 1/4 credits or more.

Senior – 24 1/2 credits or more.

Note – any class having an * with it has a pre-requisite. Students should check with Mr. Dykstra to insure that they meet all requirements for taking the class.

Art Education

Beginning Art and Design (80080)

(Every Year)

This course is an over view of a variety art production methods. The students will gain knowledge of the elements and principles of design, “the building blocks of all art”. A variety of media will be used: drawing, paintings, computer, collage, ceramic etc... to grasp the concept of each element/principle of design. Block course: ½ credit

Ceramics & Metals (80104) & Ceramics & Metals II (80105)

(Every Year)

Pre-requisite for Ceramics & Metals II is Ceramics & Metals

A course introducing the basics construction skills of coil, slab and potter's wheel to create ceramics vessels. The metals portion of the class concentrates on casting, cutting and soldering metal techniques to create unique jewelry and sculpture. Block course: ½ credit

Digital Media(80084) & Advanced Digital Media (80085)

(Every Year)

Pre-requisite for Advanced Digital Media is Digital Media

This class offers students an opportunity to learn the essentials of lighting, composition and editing digital photography. Students will use Adobe Photoshop to manipulate their personal photos.

Drawing and Painting (80140) & Drawing & Painting II (80141)

(Every Year)

Pre-requisite for Drawing and Painting II is Drawing and Painting

A study in line and mark making techniques in black and white media using charcoal, graphite, pencil and ink. The painting portion investigates the techniques of watercolor or acrylic painting and achieving a basic understanding of color theory. Block course: ½ credit

Independent Study Art * (80109)

(Every Year)

Pre-requisite - Student must have the permission of the instructor. This course gives students the opportunity to explore advanced techniques in their chosen media or research a form of art not offered in the general course listings. Block course: ½ credit

Business Education

Advanced Computers/Newspaper (80112)

(Every Year)

Limited to 15 students

Have you ever wanted to learn how to make a webpage or wanted to try your hand at the layout of the school newspaper? This class will take you beyond what you learned in Middle School computers. We will take a look at imaging and layout, webpage design, movie making and computers in general! We will take an extensive look at the Adobe Suite (Photoshop, Flash, InDesign, Dreamweaver, etc), learn advance news writing techniques to incorporate into the *Birchwood News*, work with movie editing software, and other programs to create projects and learn about the world of technology. Block course: ½ credit

Business Law (80651)

(Odd Years)

What are your rights and responsibilities as a minor and as a citizen, consumer and employee? Take this introductory business law class and learn to interpret and apply legal principles through case study to business and personal situations. At the same time, you are introduced to legal terminology, legislative process, legal forms and legal documentation. There may also be the opportunity to talk with a judge, visit the courtroom and the jail are opportunities for you in Business Law. Block course: ½ credit

Career Readiness - Portfolio 12 (8012) Required for all Seniors

(Every Year)

In this class students will learn many of the skills necessary to be successful citizens in today's society. Students will take a look at a variety of careers, learn about resumes and other business documents, learn how to get a job, as well as many other valuable resources. Students will complete their student portfolio during this course. 45 minute mini-course for semester: ½ credit

Desktop Publishing/Newspaper (80745)

(Every Year)

Limited to 15 students

Develop your skills in the electronic procedures of producing/editing publications. Through the use of desktop publishing software (mainly the Adobe Suite), students will design, edit/revise, format, create, illustrate and print various publications. In addition to creating their own creative work, students will write, produce, and publish the *Birchwood News*, our school community newspaper once each month. Students can serve as editor, co-editor, layout designer, reporters, and photographers. Integrating team leadership activities and newspaper job titles are part of the school newspaper project. Improved productivity of electronically produced projects including, posters, flyers, brochures, reports, advertising materials, and other publications are emphasized. Block course: ½ credit

Introduction to Business (80102)

(Every Years)

Interested in learning more about the business world today? This course will introduce students to the role of business in society and the factors that impact it locally and globally, as well as an overview of functional areas of business and the basic concepts of the business world. Topic include: the stock market, how business is owned and structured, entrepreneurship, marketing, business ethics, workplace diversity issues, how to write a business plan, what it takes to start a business, and the roles of employees and employers. Block course: ½ credit

Personal and Financial Matters - Portfolio 11 (8011) Required for all Juniors

(Every Year)

In this class, Students learn many personal life skills including how to manage their finances and invest in their future. They will have the opportunity to learn how to balance their checkbooks, what investments they could be making, how to make a personal budget plan and more. Students will also learn about technology, complete a community service project, and begin adding work to their student portfolio. Course – ½ credit.

Sports & Entertainment Management (80550)

(Even Years)

Sports Management is an overview of the various techniques and strategies of business management related to sports. In the class, students will focus on sports and entertainment management, examine college and amateur sports, professional sports, sports related products and services, public images, community sports camps/workshops, the entertainment industry, legal issues surrounding laws, contracts, unions, etc. Students will have the opportunity to put together a sports campaign for ongoing school sports. Block course: ½ credit

Travel and Tourism (80570)*(Every Years)*

Students will have an opportunity to learn about travel and tourism and how it applies in our local community through a variety of projects and activities. In the class, students will look at the nature of the travel and tourism industry, travel and tourism careers and employment opportunities, examine the diverse elements of the industry, as well as the business aspects of the industry. Students will also have the opportunity to put together campaigns for businesses in the area. Block course: ½ credit

Yearbook and Newspaper Management (80671)*(Every Year)*

Limited to 15 students

In this course, students gain knowledge in the areas of management and yearbook/newspaper design. Students will have the opportunity to assist in the planning and creation of the current yearbook and make decisions regarding the *Birchwood News*. They will also become knowledgeable with the production of the yearbook with the use of yearbook software and the *Birchwood News* using Adobe Suite software. They will sell yearbooks/newspaper ads, prepare advertisements, prepare yearbook pages and get published in the school yearbook and newspaper, adding to their creative work in student portfolios and on their resumes. Students write, produce, and publish the *Birchwood News*, our school community newspaper once each month. Students gather information and turn it into a story that is informational, entertaining and appealing to the readers. Students can serve as editor, co-editor, layout designer, reporters, and photographers. They learn basic news writing and interviewing skills, as well as assemble and distribute each issue. Integrating team leadership activities and newspaper job titles are part of the school newspaper project. Block course: ½ credit

Yearbook and Newspaper Production (80561)*(Every Year)*

Limited to 15 students

In this course students will become knowledgeable with the production of the yearbook using yearbook software. Emphasis will be upon developing skills in editing, business management, visual design, and photography. Student work qualifies as creative work in school portfolios and adds writing skills and design experience to their professional resumes. The focus for yearbook is in Graphic Design and advertising areas. Knowledge for this class can prepare students for work experiences in the newspaper and advertising areas. They will sell yearbooks ads, prepare advertisements, prepare yearbook pages and get published in the school yearbook. Students will also write, produce, and publish the *Birchwood News*, our school community newspaper once each month. Students will gather information and turn it into a story that is informational, entertaining and appealing to the readers. Students can serve as editor, co-editor, layout designer, reporters, and photographers. They learn basic news writing and interviewing skills, as well as assemble and distribute each issue. Integrating team leadership activities and newspaper job titles are part of the school newspaper project. Block course: ½ credit

English**GENERAL****English Studies (10000)***(Every Year)*

The basics of all aspects of English Language Arts will be the basis for these classes. This course will incorporate concepts from all the major categories under the Wisconsin Model Academic Standards in an effort to give freshman a basic understanding of all areas. Categories include reading/literature, writing, oral language, language, media and technology, and research and inquiry. Students receive 1/2 credit of reading and 1/2 credit writing for this course.

Sophomore English: (Semester) (10100)*(Every Year)*

This course will pick up where English Studies left off, focusing more deeply into the areas of study in the English Language. The primary focus for student learning will be to read and analyze classic American Literature and develop the art of theme and essay writing. Students will earn both a 1/2 credit for reading and writing in this course.

Oral Communication (10260) Open to grades 10, 11, 12*(Every Year)*

Public speaking is a primary fear for most people. In this course, students will be immersed in the experience of speaking in front of groups. Through that practice, students will better develop writing, speaking, and listening skills. The course will include several formal speeches as well as informal speaking exercises. Students will practice using visual aids and debate will be another specific component. Block course: ½ credit

READING

British Literature (Semester) (10230& 10231) Enrollment Limit: 20

(Odd Years)

Pre-requisite: Junior and Senior Students Only .

This is a survey course that examines British authors and their works from the Anglo-Saxon (Old English) period through the 20th Century. Specific curriculum will be based upon the itinerary for the chosen trip that year. Students need to be enrolled in this course at the time of the trip in order to attend. Block course: 1/2 credit

Contemporary Literature (10360)

(Every Year)

Pre-requisite: Junior and Senior Students Only

- May include mature topics.

Students will read literature published recently. Analysis will be devoted to the writer's craft in the context of the author's biography. Books that have made it on the best sellers list or are currently on the list will be the texts studied. Students may need to purchase their own book or check out copies from the public library in some cases. Course runs 45 minutes for two quarters: 1/2 credit

World Literature (Semester) (10370) **Enrollment Limit: 20**

(Even Years)

Pre-requisite: Junior and Senior Students Only

Students will explore texts written by authors from a myriad of countries outside of Britain and the United States. A primary focus will be on analysis of culture within the context of the writing and will include study of Russian, Japanese, Chinese, and African literature to name a few. Genre is not a limiter in the course; students will read short stories, speeches, autobiographies, novels, and more. Block credit: ½ credit

Science Fiction (10281) Open to grades 10, 11, 12

(Even Years)

—Some authors deal with mature subjects.

Students will study the specific science fiction genre by examining a variety of novels, short stories, and films. Texts will range from classic authors such as Arthur C. Clarke and Ray Bradbury to more contemporary authors like Michael Crichton. First quarter will focus upon the concept of "Dystopian Societies" while the second half will concentrate on "Time Travel." 45 minute mini - course: ½ credit

Women's Literature I and II* (10500) Open to grades 10, 11, 12

(Every Year)

—Some authors deal with mature subjects.

This course will focus on various genres of literature written by or about the female gender. Literature will include poetry, short story, essay, speech, film, and novel. Class work will be framed around the readings and will involve extensive classroom discussion. Authors include, but are not limited to: Jane Austen, Maya Angelou, Sylvia Plath, Gertrude Stein, Margaret Atwood, and Kyoko Mori. 45 minute mini - course: ½ credit

WRITING

Advanced Composition: (10850) **Strongly recommended before English 101**

(Every Year)

Pre-requisite – Sophomore English with at least a grade of B or Instructors consent.

Advanced composition is meant for students interested in taking English 101 through ITV as well as those students who intend on going to college after high school. This course will focus on crafting an extensive research paper, emphasizing the research process. Students must obtain a B in this course and achieve satisfactory test scores to be eligible for English 101. Block course: 1/2 Credit

Creative Writing* (10290)

(Every Year)

Pre-requisite: Junior and Senior Students Only

The exciting art of expressive composition will be the focus for this course. Forms of writing will include poetry, satire, and will emphasize the short story format. Students in this class will experience the joy of creativity within writing and will produce a short story with lively characters, a descriptive setting, and an engaging and clear plot. Block course: ½ credit

Family & Consumer Education

Child Development and Parenting (80250)

(Every Year)

In this course, the emphasis is not only on growth and development from birth through adolescence, but also on the job of parenting. Students will have the opportunity to evaluate their own personal strengths and weaknesses for the job of parenting throughout the class. A variety of methods will be used in this course, including guest speakers and videos. Block course – 1/2 credit.

Foods A (80200) (Every Year)
Foods A is an exciting class where you get to learn basic cooking skills. Through this class you will better understand measuring and common cooking terms. We will be making many varieties of Christmas cookies, Foods A touches lightly on many different areas of cooking. Block course – 1/2 credit.

Food Service (80202) (Every Year)
The food service class will cover introduction to food service industry, nutrition, and menu planning, sanitation and safety, dining room service, food preparation, food presentation, and baking. Lab experiences are included in this class. This class could lead to a one-year co-op skill certificate program. This class is open to juniors and seniors only. Block class – 1/2 credit

Nutrition (80203) (Every Year)
This course is an overview of the basic nutrients, vitamins and minerals needed for good health and life. Also, it will include nutrition's role in disease and in athletic performance. The course will emphasize dispelling common nutrition myths and question information presented in the media. Block class – ½ credit

Guidance Department

Aide/Tutor* Pre-requisite - Must be a Junior/Senior in good standing. (Every Year)
(Contract required – Lab aide 50300/Lib aide 50400/Tutor 50600/Office aide 50200/Elem tutor 50000)
The student has five (5) options to choose from when working as an Aide/Tutor. These options are: Tutor (working one to one with student); Tutor/Teacher Aide (working with students as well as doing clerical activities); Teacher/Librarian assistant (Helping with clerical duties only); Office assistant (Doing such things as typing, filing, copy work, answering phone, etc.); and Janitorial assistant (Variety of janitorial (duties). A learning contract is to be written between student and person student is assigned. This contract is to be turned into the guidance counselor the first week of the quarter. Student must work each day for one mini-course time period—1/4 credit. No more than ¼ credit per quarter.

Health

Healthy Living (80500) (Every Year)
This course is designed for sophomores and juniors to teach the beneficial knowledge and skills that encourage students to think critically about how the decisions they make will affect their lives today and in the future. Topics included are: Nutrition, wellness, stress management, anatomy and physiology, diseases and disorders, conflict resolution and healthy relationships. Block course ½ credit

Safety Education & Prevention (70161) (Every Year)
Have you ever had someone you care about get severely hurt or choke to the point of passing out? This course will not only teach students about First Aid and CPR but will also allow them to become personally certified in both areas as well. There will also be a segment on athletic training and sports medicine where students will have the opportunity to learn about different injuries and care for the injuries appropriately. This class is open to freshman through seniors. Block course ½ total credit

Health Careers (70181) (Every Year)
This highly interactive class will enable 11th & 12th grade students to explore current health trends and the impact on overall wellness. This class will be health career based researching the different career opportunities that health careers have to offer Topics include but are not limited to learning about and shadowing people in different health careers, developing and implementing a Health and fitness plan based on personal health information, student taught health lessons to elementary students and much more. Block course ½ total credit

Mathematics

Pre-Calculus* (30401) – Open to 10, 11, and 12 grades (Every Years)
Pre-requisite – Algebra II with at least a grade of B or instructors consent –
A study of Pre-Calculus Mathematics, with emphasis on functions and their graphs, such as Trigonometric Functions and Inverses, Polar Coordinates, Sequences and Series and Parametric Functions. Mini-course – 45 minutes for 4 quarters. Total one credit.

Algebra I (30100) – Open to 9 – 12 grades (Every Year)
A study of our number system and its underlying properties, simplification and manipulation of variable expressions and mathematical sentences containing variable expressions. Mini-course – 1/4 credit per quarter. Total one credit.

Algebra II* (30200) – Open to 9, 10, 11, and 12 grades. (Every Year)
Pre-requisite is Geometry or Instructors Consent
A continuation and expansion of topics from Algebra I, with greater emphasis on functions and graphs. Block course – 1/2 credit per quarter. Total one credit.

Algebra IA (30150) (Every Year)
These courses (Algebra 1A and 1B) are taught at a slower pace with more review of basic pre-algebra topics than the regular Algebra I class. When the students complete both parts of this class, they have the equivalent of the regular Algebra I class. This year is a study of the number system, mathematical properties, solving linear equations and systems of linear equations, graphing linear functions and inequalities. Total 1 credit - mini course (45 minutes for 4 quarters).

Algebra IB* (31600) (Every Year)
Pre-requisite for Algebra IB is Algebra IA
This is the second part of Algebra 1A, focusing on simplifying polynomial expressions, graphing more complex functions such as parabolas, factoring and solving quadratic functions. Upon completion, they will be ready for Geometry or Algebra II. Total 1 credit - mini course (45 minutes for 4 quarters).

Business Math I (30110) – Open to 10, 11, 12 (Even Years)
An emphasis is on “Personal business” Mathematics such as wages, taxes, interest, loans, auto and housing expenses, and general record keeping. Block course – ½ credit.

Business Math II (30120) – Open to 10, 11, 12 (Odd Years)
An emphasis is on “Personal business” Mathematics such as wages, taxes, interest, loans, auto and housing expenses, and general record keeping. Block course – 1/2 credit, 1 quarter.

Geometry* (30300) – Open to 9, 10, 11, and 12 grades (Every Year)
Pre-requisite - Algebra I
Study of plane and solid figures and their properties through the development of a mathematical system of postulates, definitions, and theorems. Block course – 2 quarters. Total one credit.

Geometry, Introduction To* (30301) (Every Year)
Pre-requisite – Algebra I or Algebra IB
This course is for those students wanting an introduction to Geometry, but are not planning to take this course for the preparation for college. This course may not be taken for credit when the student also has taken Geometry 30130. 1/2 credit. Block course – 1 quarter.

AP Statistics (30041) (Every Year)
Years)
Pre-requisite – Algebra II with at least a grade of B or Instructors consent
This course is an introduction to collecting, analyzing, and drawing conclusions from certain data sets. Students will explore patterns within data, using statistical inference to test various hypotheses. Block course – 2 quarters. Total one credit.

Music

Concert Band (60100) (Every Year)
Concert Band is made up of students in grades 8 through 12 who can read music and have experience playing wind or percussion instruments. The band plays a variety of different musical styles including classical, marches, rock & roll, and contemporary. Literatures of various difficulty levels are worked on, giving all students a feeling of accomplishment and challenge. The band performs one concert per quarter and individual band members are given the opportunity to perform at Solo & Ensemble Festival and the yearly Dinner Concert fundraiser. Attendance at several marching events and at 8-10 Pep Band performances will also be required. Mini course – 1/4 credit per quarter – Total 1 credit per year.

Concert Choir (60120)(Every Year)

Using your voice to make music that blends within a vocal ensemble—yes! You can do this! This choir will be made up of students in grades 8 – 12. By singing a variety of musical styles, this group will work on tone production, diction, pitch, harmony, rhythm, expression and much, much more. Discover the joy of working as a group to produce beautiful music – something you could do for the rest of your life! And remember: studies have shown that the study of music can actually raise your math and science ACT scores! Two concerts are performed each year and other performance options include singing the national anthem at athletic events, All-Conference Honors Choir, Concert Festival, and Solo and Ensemble Festival. Mini-course – 1/4 credit per quarter – Total 1 credit per year.

Jazz Band (60101)(Every Year)

Jazz has been said to be one of the only truly “American” styles of music. This class will focus on the performance of ‘Jazz’ styles, including swing, bebop, cool, Latin and fusion. The class is open to all band students in grades 8 – 12, other students admitted by audition only. Monday, Wednesday, Friday during 0 hour. 1 semester – 1/4 credit.

Music Theory (60170)(Every Year)

An introduction to the elements which make up music. Topics covered will include: Reading notes and rhythms, chord structure (major, minor, diminished, augmented), binary/ternary and sonata allegro form, modulation, applications of part-writing procedures and seventh chords (major/minor, minor/major, half-diminished, fully diminished). Other topics may be included. Block course - ½ credit.

Physical Education

Dual and Individual Sports (70280) Maximum of 12 students in class.(Every Year)

This class includes selections from lifetime sports; such as fitness activities/weight lifting, basketball, table tennis, archery, shuffleboard, horseshoes, golf, bowling, bean bag toss, and racquet sports (badminton, pickleball, tennis, eclipseball). We also have a unit on the basics of gymnastics. Gymnastics includes; basic floor exercise plus selected training on side horse, vault, parallel bars and balance beam. Written work is part of this class which includes creating gymnastics routines, using score sheets, taking written tests, and writing a research paper on a dual / individual sport. Block course – 1/2 credit.

General Physical Education I (70230)(Every Year)

These courses include a wide variety of both individual and team activities. General physical education units may include flag football, kickball, floor hockey, softball, basketball, volleyball, soccer, team handball, archery, table tennis, racquet games (badminton, pickleball, tennis, eclipseball), matball, fitness and exercise. Time will be spent on learning the basic fundamentals of a variety of activities. Written work is part of this class. Mini-course – 1/4 credit per quarter.

Team Sports (70220)(Every Year)

This class includes, team handball, flag football, basketball, volleyball, softball, kickball, soccer, ultimate football/frisbee, tennis, matball, and racquet sports (badminton, pickleball, tennis, eclipseball). Emphasis is placed on both individual skill and the player’s concept of team play. Written work is part of this class which includes written tests and writing a research paper on a team sport. Block course – 1/2 credit.

Track & Field / Archery (70210)(Every Year)

Form running for sprints, distance road runs, PACER tests, and relays will be practiced. The field events of shot put, discus, and long jump will also be worked on. Students will implement pace work, monitor target heart rates, use pedometers, participate in fitness circuits, etc. to better understand their strengths and weakness. Archery techniques will be included with this class also. Written work is part of this class which will include establishing and monitoring fitness goals, determining individual target heart rate, taking written exams, using score sheets, and writing a research paper on a track or field event. Block course – 1/2 credit.

Weight Training (70140)(Every Year)

- Consent of instructor regarding safety concerns. Maximum of 18 students in class.

Weight training is built around the core lifts of bench press, squats, power clean, and dead lift. This course also includes additional auxiliary work such as curls, military press, hip sled, rowing machine, treadmill, stationary bike, dips, etc. One day per week is spent in cardiovascular activities and circuit training. Circuits include curl-ups,

shuttle run, 20 yd dash, vertical jump, pegboard/pull-ups, dot drill, jump rope, sit and reach, and push-ups. Individual bfs (bigger/stronger/faster) schedules are set up for each student with weekly challenges as well. Written work is part of this class which includes establishing quarterly goals, maintaining individual lifting programs, and weekly reflections. Mini-course – 1/4 credit per quarter.

Winter Sports (70240) Maximum of 14 students in class. (Every Year)

The units for winter sports may include broomball, boot hockey, ice skating, frisbee golf, football, soccer, and softball played in the snow. We also include instruction in cross-country skiing and snowshoeing. Students are also offered the opportunity to go ice fishing if the weather allows. Games such as capture the flag, ultimate football and ultimate frisbee will also be played. Indoor winter sports such as floor hockey, scooter hockey, gymnastics, basketball, archery, and bowling are a part of this course as well. Proper winter clothing is essential for this class. This includes boots, gloves or mittens and hats as well as indoor clothing as well. Written work is part of this class which includes written tests and writing a research paper on a winter sport. Block course – 1/2 credit.

Physical education is a required component of graduation for all high school students. Students may choose from a wide variety of classes to acquire the minimum 1.5 credits in physical education to meet graduation requirements. Additional credits up to 2 credits may be earned as elective credits throughout a student's high school career. The emphasis of the curriculum is fitness based through a diverse offering of activities.

All 90 minute Phy Ed classes may be taken only once for credit toward graduation as part of the Phy Ed requirement. Weights and general PE class may be taken twice toward the Phy Ed requirement. Any additional classes will be credited as an elective.

Students are allowed to take only one physical education class per quarter. The goal is to have students engaged in physical education classes throughout their high school careers. Hopefully this will produce healthy lifestyles which will promote physical activity in our students' lives both now and into the future.

Science

Biological Sciences

Anatomy and Physiology (40700)

(Even Years)

Pre-requisite: Biology I

This course takes a look at the structure and function of the human body. Each body system will be studied in detail. It is an excellent course to take if you are pursuing a career in the health field. Block class – 1/2 credit per quarter – Total 1 credit

Biology I (40200)

(Every Year)

Biology I will be an introduction to the basic concepts of living things. We will also cover the basics of ecology, cell biology, and genetics. This course is a prerequisite for Biology II and Anatomy and Physiology. Block course – 1/2 credit per quarter – Total 1 credit. Maximum number of students 20. This course is recommended for sophomore who are college bound.

Biology II* (40201)

(Every Year)

Pre-requisite: Biology I

Biology II continues the study of life with emphasis on the plant and animal kingdoms. Block class – 1/2 credit per quarter – Total 1 credit. Maximum number of student is 20. This course is recommended for sophomores and juniors who are college bound.

Physical Sciences

Physical Science (40100) Required for all Freshmen

(Every Year)

A very general introduction to Physics and Chemistry. Physical Science is a pre-requisite for Chemistry and Physics. 45 minute class for the full year. – 1/4 credit each.

Earth Science (40400)

(Odd Years)

This class will deal with the study of the Earth, its history, its changes, and its place in the universe. Concepts to be covered will address issues in geology, meteorology, oceanography, and astronomy. Block class – 1/2 credit per quarter – Total 1/2 credit. Maximum number of students is 20. This course is recommended for sophomores and juniors who need to fulfill science requirements.

Chemistry I* (40600) –

Pre-requisite is Physical Science

(Every Year)

Find out why things blow-up, turn colors, or do nothing at all. Chemistry will study matter; in its entirety, and the changes that it undergoes. This course is heavily lab and math oriented. Two consecutive Block classes 1/2 credit each – Total 1 credit. Maximum number of students is 20. This is a junior/senior level course for students who are college bound.

Advanced Chemistry* (40650)

(Odd Years)

Prerequisite- Chemistry 1

This course will continue to master your skill in Chemistry. We will study the advance topics of Reaction Rates, Chemical Equilibrium, Redox Reactions, Electrochemistry, Nuclear Chemistry, and Organic Chemistry. Block class – 1/2 credit per quarter – Total 1/2 credit. Maximum number of students is 20. This is a senior level course for the college bound student.

Physics I (40800)

Pre-requisite - Physical Science & Algebra I

(Every Years)

This course will introduce you to the basic concepts in Physics. The main focus will be the field of mechanics. There is a heavy math emphasis in this class. Course runs 45 minutes a day for all four quarters. You must enroll in all four quarters. – Total 1 credit. Maximum number of students is 20. This is a junior/senior level course for the college bound student.

Forensic Science* (40500)

Pre-requisite Junior or Senior Status

(Even Years)

Students will learn numerous scientific strategies and skills as they step into the role of a crime scene investigator. Emphasis is placed on the techniques and processes carried out by a forensic scientist. Course runs 45 minutes a day for all four quarters. Must be enrolled in all four quarters – Total 1 credit Maximum number of students is 20. This is a junior/senior level course for those students looking to fulfill science requirements.

Social Studies

Freshman Social Studies (20100)

(Every Year)

Within this curriculum, we will study the information, skills, and concepts from the disciplines of history, geography, political science, economics, anthropology, psychology, law, archaeology, and sociology with attention also given to connections among the peoples and nations of the world, the effect of science and technology on society (and vice versa), and the ways to practice good citizenship. Social studies helps young people develop the knowledge and skills necessary to make informed and reasoned decisions as citizens of a culturally diverse, democratic society in an interdependent world. 45 minute class for a full year – 1 credit.

Early American History (20200) **Limited to 22 students**

(Every Year)

In this class students will look at the Industrial Revolution in England, the Religious persecution and how it affected life in England leading to the colonization of the Americas leading up to the war of Independence. This course is a pre-requisite for Civics. Block Class – 1/2 credit.

Post Revolution to Western Frontier (20302) (Formerly known as Post Revolution to Civil War)

Limited to 22 students

(Every Year)

This class will follow the course of events dating from the War of Independence in 1776 through the Civil War and reconstruction up to the great cattle drives. Block course – 1/2 credit.

Industrial Age to the Great Depression (20401) (Formerly known as Reconstruction Thru WWI)

Limited to 22 students

(Every Year)

This class will follow the course of events from the rise of industry after the Civil War, railroads, WWI, the 20's and end up with the Great Depression. Block course – 1/2 credit.

WWII to Present (20503) (Formerly known as Great Depression to Korea)

Limited to 22 students

(Every Year)

This class will follow the course of events leading up to WWII, World War II itself, the Cold War, Korean conflict, Vietnam, and events of today. Block course – 1/2 credit.

Civics (20701) Pre-requisite: Early American History **Limited to 22 students** (Every Year)
In this class we dig into the different types of governments, constitutions, and how people are affected by the type of government they live under. Much attention will be paid to the Bill of Rights, how it came to be and how the interpretation of it has changed over the years. Block class – 1/2 credit. Not recommended for Freshman and Sophomores.

Holocaust (20501) **Limited to 22 students** (Every Year)
This class will deal with Jewish History, leading into World War II and their involvement in this war. Not recommended for Freshman or Sophomores. Block course – 1/2 credit.

Environmental Education (20602) **Limited to 14 students** (Every Year)
Hopefully this course will increase the student's awareness of the environment and how he/she does and can affect it. We will also be using the School Forest as a part of the classroom. Limited to first 14 students. Block course – 1/2 credit.

World History (20650) **Limited to 22 students** (Even Years)
The class will begin with the earliest civilizations and carry through to the present day. Egyptians and Romans to Israel, Iraq, and whoever else may be in the news at the time. Limited to first 22 students. Block course – 1/2 credit.

Roots (20301) **Limited to 22 students** (Summer)
This class deals solely with the institutions of slavery, beginning in Africa and carrying through the Civil War. We will follow the ancestors of Alex Haley in this class and also look at slave uprisings and Black actions immediately following the Civil War in the American West. Summer School – 1/4 credit.

World Events (20800) (Every Year)
Through the use of the internet, students will study major current issues happening throughout the world. Study will focus on how those events affect them and where in the world they are happening. Block course ½ credit.

Birchwood Online Learning Center

High School classes provided by the Birchwood Online Learning Center are a lot like high school classroom-based classes. There are lectures, required reading, assignments, quizzes, tests, and everything else you would associate with an educational course. Like classroom-based classes, online classes are led by a teacher and contain a maximum of 15 students who share a common goal. In many cases, the only difference between an online class and a classroom-based class is the way the curriculum is presented and delivered.

Courses through the Birchwood Online Learning Center are taught on a Moodle platform. Moodle is an Open Source Course Management System or a Virtual Learning Environment. It has become very popular among educators around the world as a tool for creating online dynamic web sites for their students.

Although there are many advantages to studying online, online classes are not for everyone. Online learners have to control their own education experience so therefore must be self-disciplined and self-motivated to do course work without the physical presence of a teacher. Students will be required to do work in a timely manner and actively participate in their own educational experience.

Economic Geography (20001) (Every Year)
Study of how economic activities affects such issues as economic growth, employment, investment patterns, mobility, and the prices paid for goods. Industrial economic activities are examined as students address issues such as why some areas are more suitable than others for economic activities, and how markets function in the real world. Transportation networks that connect areas and issues of global interdependence will be central to this study. Class runs 45 minutes each day for two quarters – ½ credit.

Cultural Geography (20002) (Every Year)
Explores the influence of culture on perceptions, decisions, and interpersonal relations on both planetary and local scales of life. A broad range of cultural topics are considered, including the origins of culture, human development, political and social organization, religions and languages, and evolving human landscapes. Class runs 45 minutes each day for two quarters – ½ credit.

Native American History (20003) (Every Year)
Students will study the different tribal regions of North America and how the environment of each shaped the life of each tribe. Students will also examine the history and culture of the Native American people from their origin to present. Class runs 45 minutes each day for two quarters – ½ credit.

Wisconsin Geography (20004) (Every Year)
An examination of the state of Wisconsin utilizing both physical and human considerations. A look at 20th and 21st century environmental issues that are related to physical characteristics such as geologic history, hydrologic, and climatic forces as well as how these physical factors have impacted the human development of the state will be analyzed. Examples of human issues include indigenous and immigrant settlement, economic, and political patterns will be examined. Class runs 45 minutes each day for two quarters – ½ credit.

Spanish

Spanish I (90101 – 1/4 credit & 90100 – 1/2 credit) (Every Year)
In Spanish I students build a vocabulary base and learn to conjugate regular and irregular verbs in the present tense and begin a little with the past tense. Vocabulary units include numbers, clothing, food, families, restaurant dining, school experiences, transportation, and travel.
Geographical and cultural aspects of the Spanish-speaking world are emphasized and students are encouraged to share news topics relevant to the Spanish-speaking world.
Block course – 1/2 credit per quarter. Two quarters, total one credit. Mini-course - 1/4 credit per quarter – Meets all year.

Spanish II* (90200 1/2 credit & 90201 1/4 credit) (Every Year)
– Pre-requisite Spanish I or equivalent)
In Spanish II students continue to develop vocabulary. Conjugations of regular, irregular, and reflexive verbs continue as students learn the preterit, imperfect, future, and conditional tenses. Topics explored include entertainment (television programs and programming, theater, literature, and sports), transportation in greater depth, health issues and medical experiences.
Geographical and cultural traditions are emphasized and students are encouraged to share and discuss news topics relevant to the Spanish-speaking world. Block course – 1/2 credit per quarter – two quarters, or mini-course 1/4 credit per quarter for 4 quarters – total one credit.
Students who are currently taking Spanish I are encouraged to take Spanish II the next year, as opposed to skipping a year or two. Continuity is extremely important when learning a foreign language. Students must be ready to begin Spanish II with the level I vocabulary in recent memory.

Spanish III* (90300) (Every Year)
Pre-requisite Spanish II or equivalent
In Spanish III students continue to develop vocabulary. In addition, students learn to conjugate verbs in subjunctive, present perfect indicative, past perfect and conditional perfect tenses. In these levels we read, write, listen, and talk about topics such as history, art, literature, politics, demographics, and employment, in the Spanish language. Block course – 1/2 credit per quarter. Two quarters, total one credit.

Spanish IV* (90400) (Every Year)
Pre-requisite Spanish III
In Spanish IV students will review and reinforce all previously learned verb tenses, plus learn the imperfect subjunctive, the present perfect subjunctive and the pluperfect subjunctive. Students will focus on the finer points of grammar and vocabulary with relative pronouns, the passive voice, and ways to express the phrases "to ask", "back", "to raise", "to seem", "to become", "to take", "right and wrong", "to miss", "to get", and "to run". They will also learn car parts, tools, plants and trees, more body parts/health, and government. They will read and discuss excerpts from Don Quixote, as well as short readings by Mario Benedetti, Isabel Allende and Octavio Paz.

Technology Education

Construction (80360) (Even Year)
This course will concentrate on residential construction. We will cover blueprint reading, architectural design, and materials of construction. Students will build a scaled down model house. During the construction we will cover

everything from footings to shingles, as well as electrical to plumbing. Block course – 1/2 credit.

Exploring the Natural Resources (80661) (Every Year)

Students will be learning about Wisconsin's Natural Resources through hands on activities. The class will utilize the School Forest by testing: soils, water, and timber. We will study careers that involve wildlife management, fish biologist, park management, etc. Students will have the opportunity to complete a trappers education certification course, if they choose Block class – 1/2 credit.

Forest Management (80660) (Every Year)

In this course the students will be actually making management decisions on how to and what to harvest at project E.L.M. and Bobcat pond school forest. In the first few weeks, students will learn basic skills that a forester would need to know. By mid quarter they will have completed a forest analysis study. By the end of the quarter students will be developing management plans for specific species of timber. Block course – 1/2 credit.

High Mileage Vehicle (80290) (Every Year)

In this class students will form a team. This team must design and build a vehicle, which is powered by a small gas engine. At the end of the year the team competes with teams from schools from around the state to see whose vehicle gets the best gas mileage. Members of the team have a variety of jobs that they assume. Students who are interested in designing, building, or organizing test data on vehicles may be interested in this class. Interested students may put their name on a sign-up list, but they are not guaranteed a spot on the team. Staff evaluations will be used to determine this year's team. Students with good design, math, communication, and small engine skills will stand out. Students may take this course repeatedly through out their high school years. Block class – 1/2 credit.

Introduction to Masonry (80365) (Every Year)

In this class students will learn the trade of being a mason (laying cement blocks and bricks). Through hands on projects students will learn how to mix and spread mortar, lay block and brick to a line, square a foundation, and build leads. Depending on class time, students may have the opportunity to work on out of school projects. Flat work will be covered but depending on opportunities students may not get the chance to work hands on with concrete. This class is under evaluation for articulation with courses at WITC. In other words, completing the class at Birchwood Schools may earn credit at WITC. We anticipate a formal articulation agreement will be in place by August 2006. Block class – 1/2 credit.

Mechanical Design (80300) (Odd Year)

Students will be using Vector-Works software and drafting tools to learn proper techniques in drafting. Students will be producing orthographic projection, pictorial, and schematic drawings of industrial products. Students successfully completing this class will have the potential to earn WITC credit through an articulation agreement with Birchwood and WITC. Block class – 1/2 credit.

Small Engines (80270) (Every Year)

In this course, students will disassemble a 5 1/2 horsepower Briggs & Stratton engine. We will discuss the theory of 2 and 4 cycle engines, carburetors, ignition, electrical systems, and reassemble the 5 1/2 horsepower Briggs engine. With any remaining time in the quarter students may work on personal small engines with instructor approval. Block class – 1/2 credit.

Welding and Metals Fabrication (80340) (Every Year)

Students will learn the basics of welding ferrous and non-ferrous metals through the use of MIG (Metal Inert Gas), ARC, TIG (Tungston Inert Gas) and oxy-acetylene welding equipment. First year students will go through a series of labs and test welds. Second year students will go into metal fabricating where welding skills will be used in developing a project. Second year students need to provide an approved project and materials for that project. Block class – 1/2 credit.

Independent Lab (80377) (Every Year)

Pre-requisite - Student must have the permission of the instructor.

Independent Lab formerly (Tech Ed. Lab) is an open laboratory class where students may use the tools and equipment for individual projects. Students will be responsible for selecting a project and signing a contract for grade agreement with the instructor. Students are also responsible for material costs. Mini course – 45 minute 1/4 credit. Students may take this course repeatedly through out their high school years.

ITV Classes

Astronomy (40960)

Designed to apply toward the general education science requirement, this course examines the fundamental ideas from the dawn of time to the space age about the Earth, Moon, planets and constellations. The origin and evolution of the solar system, stars, black holes, quasars, galaxies and the universe are covered. The possibility of space travel and extraterrestrial life is explored. Students will need access to internet, email and the University's course management system, D2L.

3 UN Sem II - Instructor: Eileen Korenic

Sponsor: UWRF

Time: 9:00 – 9:50PM

Calculus (30220) Math

Prerequisite: Math I to Math IV (Graphing Calculator required-TI-83+ Recommended) A course designed for students interested in pursuing a career in science, computer programming, engineering, etc. Provides a thoroughly sound introduction into calculus and prepares for more formal study in calculus. The course covers materials in plane and solid analytic geometry, the differential and integral calculus and work with differential equations. The technology of computer and/or graphic calculators will be utilized. NCAA approved at origination site.

1 HS Instructor: Matt Humpal

Sponsor: Unity High School

Time: 9:55 – 10:45

English 101 (10940) English

Prerequisite: An appropriate score on UW placement test. A writing course that focuses on the basic techniques of composition, on the composing process with attention to drafts and revisions and on coherence and organization of student essays. Students will need access to internet, email and the University's course management system, D2L.

3 UN Sem 1 Instructor

Sponsor: UW Barron County

Time: T, TH 8:15 – 9:45 AM

English 102 (10920) English

Prerequisite: English 101 or exemption through sufficiently high placement test score. A rhetoric course that focuses on writing which presents information, ideas, and arguments, with attention to the essay and techniques of documentation. Emphasis will be on academic writing which is applicable across the curriculum. Students will need access to internet, email and the University's course management system, D2L.

3 UN Sem 2 Instructor

Sponsor: UW Barron County

Time: T, TH 8:15 – 9:45 AM

Food Science, Intro (40903) Science

Science of Food offers students unique opportunities to learn where their food supply comes from, how the food is produced and how consumption is met on a global basis. Applying basic science principles to the production of food will enhance student's ability to better understand the phenomena of food production.

3 UN Sem II Instructor: Bonnie Walters

Sponsor: UWRF

Time: 1:00 – 1:50PM M,W, F

French I (90700) Elective

A study of the French language and culture through conversation and reading. Students will converse daily in French, learn about the French people and the activities of their daily lives. ** Field trip will be planned.

1HS Instructor: TBA

Sponsor: Northern Lights Consortium

Time: 10:45 – 1:35AM

Holocaust II (20502) Social Studies

This class will deal with Jewish History, leading into World War II and their involvement in this war. Not recommended for Freshman or Sophomores.

.5 HS – Instructor: Eric Rademaker

Sponsor: Birchwood High School

Time: 2:32 - 3:15PM

Introduction to Psychology (29923) Social Studies

(3 credits) Introduction to the scientific study of psychology covering major areas of study within the discipline, including biological bases of behavior, learning and conditioning, memory and cognition, motivation and emotion, social and cultural influences on behavior and attitudes, personality, health psychology, and mental illness.

3 UN Sem I *Instructor:*

Sponsor: UW - Superior

Time: M, W, F 1:45 – 2:35 PM

Medical Terminology (40701) Science

This course will help you develop a vocabulary of health care-related terminology. Emphasis is placed on spelling, defining, developing, and pronouncing anatomical and medical terms. Major concepts include root words, prefixes, suffixes, combining forms, and methods of developing medical terms. The course is arranged by body system so that the learner will recognize organs and anatomical terms as they relate to each system.

3 TC Sem I *Instructor:*

Sponsor: NWTC

Time: M, W, F 12:55 – 1:45 PM

Philosophy (27000) Elective

T,TH An introduction to philosophy as the activity of clarifying ideas, developing positions, and evaluating arguments on problems such as what is, what ought to be, freedom, God and knowledge. Some reference to positions of leading figures and schools of thought in the history of philosophy is usually involved. Students will need access to internet, email and the University's course management system, D2L.

3UN Sem 1 *Instructor:* Melissa Kozma

Sponsor: UWBC

Time: 11:40-12:55

Women's Literature (10500) English

Some authors deal with mature subjects. This course will focus on various genres of literature written by or about the female gender. Literature will include poetry, short story, essay, speech, film and novel.

Class work will be framed around the readings and will involve extensive classroom discussion. Authors include, but are not limited to: Jane Austen, Maya Angelou, Sylvia Plath, Gertrude Stein, Margaret Atwood, and Kyoko Mori.

.5 HS Sem 2 *Instructor:* Sarah Johnson

Sponsor: Birchwood High School

Time: 02:32 - 03:18 PM