Brookwood High School

Course Description

Handbook

2017-2018

N-O-W School District
28861 State Hwy. 131
P.O. Box 130
Ontario, WI 54651

District Office
Phone: 608-337-4402
FAX: 608-337-4348

Brookwood High School
Phone: 608-337-4401
Fax: 608-337-4759

School Counselor Office
Phone: 608-337-4401
FAX: 608-337-4759

Si necesita Ud. Ayuda en la traduccion de este document, por favor llama la especialista de ELL del distrito (Nidia Alcantar) at 608-337-4420.

Annual Education Programs
Contact the High School Office for More Information
608-337-4401

Senior Scholarship Awards
High School Auditorium
May 9, 2018 @7:00 pm

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Contact the Counseling Department for More Information

Financial Aid Information and Completion Night
<u>Location and Date TBD</u>

The Norwalk-Ontario-Wilton School District does not discriminate against pupils on the basis of sex, race, national origin, ancestry, creed, pregnancy, marital or parental status, sexual orientation, or physical, mental, emotional or learning disability or handicap in its education programs or activities. Federal law prohibits discrimination in employment on the basis of age, race, color, national origin, sex, religion or handicap.

All courses, including Career and Technical Education courses are available without discrimination based on sex, race, color, national origin, or disability.

Table of Contents

COURSES IN THIS BOOKLET MAY OR MAY NOT BE OFFERED DURING ANY PARTICULAR YEAR!

Enrollment Requirements

The following guidelines are to be used:
*While your school counselor assists in this process, the student and parent assume responsibility for the ultimate decisions regarding high school academic planning and course selection.

All students in grades 9-12 must enroll in at least 6.5 academic credits per year. Incoming 9th grade students will be placed in the required health course as needed. Youth Options coursework and School-to-Work are counted in the 6.5 credits for 12th graders.

Placement Guidelines for Courses

Please note the Placement Guidelines that are listed with the course descriptions. These are intended to help students and their parents, along with their school counselor, make wise choices regarding course options. They are not prerequisites and are not intended to prevent students from taking courses in which they are interested, but they should be considered carefully.

Explanation of Codes

Course Length

1cr. Single Hour Class – Year Long
½ cr. Single Hour Class – Semester Course
¼ cr. Single Hour Class – Semester Course (example –School-to-Work)

Graduation Requirements – 345.64

The Norwalk-Ontario-Wilton Board of Education requires students to successfully complete twenty-six (26) credits of coursework to receive a diploma from Brookwood High School. **15.5 credits are required and 10.5 credits are electives**. Courses completed must meet the subject area and specific subject criteria described below:

Core Curriculum Requirements	Credits
English	**4**
Social Studies	**3**
Mathematics	**3**
Science (Biology & Physical Science)	**3**
Physical Education	**1.5**
Health	**.5**
Personal Finance	**.5**
Electives (Combination from any Curricular Area)	**10.5**

Graduation Requirements

*Courses required for graduation

Business Education
*Personal Finance – ½ credit

English (4 credits required to graduate)
*English 9─1 credit
*English 10─1 credit
*English 11─1 credit
English 12 (select one 1.0 credit course or two .5 credit courses from 5 electives) ─1 credit

Math (3 credits required to graduate)
Algebra A –1 credit
Algebra B – 1 credit
Applied Geometry – 1 credit
Algebra 1─1 credit
Geometry─1 credit
Algebra 2─1 credit
Probability & Statistics – 1 credit
Advanced Math─1 credit
Calculus─1 credit

Science (3 credits required to graduate)
*General Biology─1 credit
*Earth Science—1 credit
Environmental Science 1─1/2 credit
Environmental Science 2─1/2 credit
Chemistry─1 credit
Adv. Biology─1 credit
Adv. Science─1 credit

Social Studies (3 credits required to graduate)
*U.S. History I─ 1 credit
*U.S. History II─1 credit
*World History─1 credit

Physical Education (1.5 credits required to graduate)
*Phy. Ed 9─1/2 credit
Phy. Ed 10─1/2 credit
Phy. Ed 11─1/2 credit
Phy. Ed 12─1/2 credit
Weightlifting—1/2 credit

Health (.5 credit required to graduate)
*Health─1/2 credit

PLEASE NOTE: Year-long classes **cannot be dropped** during the school year.
Semester 1 changes for scheduling can only be done in August.

If you plan to go to a 4-year university, you are STRONGLY encouraged to take more math, English, science and should strongly consider two-years of foreign language. Technical colleges may also require more of these classes. If you are interested in knowing more about university or college requirements please visit the school counselor's office.

Your Four Year Course Plan (Includes Required Courses)

	Grade 9	Cr	Grade 10	Cr	Grade 11	Cr	Grade 12	Cr
English 4 Credits	**English 9**	1	**English 10**	1	**English 11**	1	**Elective**	1
Math 3 Credits	**Class**	**1**	**Class**	**1**	**Class**	**1**	**Elective**	
Science 3 Credits	**General Biology**	**1**	**Earth Science**	**1**	**Elective**	**1**	**Elective**	
Social Studies 3 Credits	**U.S. History I**	**1**	**U.S. History II**	**1**	**World History**	**1**	**Elective**	
Physical Education 1.5 Credits	**PE 9**	**.5**	**PE 10**	**.5**	**Elective**	**.5**	**Elective**	
Health .5 Credit	**Health**	**.5**						
Personal Finance .5 Credit					**Personal Finance**	**.5**	**Personal Finance**	**.5**
Total Credits		**5.0**		**4.5**		**4.5**		**3.0**

Youth Options Program

The Wisconsin legislature established the Youth Options Program that allows all public high school juniors and seniors who meet certain requirements to take post-secondary courses at a UW institution, a Wisconsin technical college or one of the state's participating private, nonprofit institutions of higher education. This program allows students to take courses that lead to credit at both the high school and post high school level.

A student who intends to enroll in an institution of higher education under the Youth Options Program must adhere to the following timelines:

1. Contact the institution of higher education to which admission is being sought to determine the application and admission process required.
2. The student must notify his/her high school counselor of the intent to enroll in the Youth Options Program and pick up the necessary forms.
3. All of the completed paperwork (Wisconsin DPI Youth Options Form PI-8700A, Youth Options Application for Approval/Teacher Recommendation Forms, and any other required post-secondary institution forms) must be submitted to the student's high school counselor no later than October 1st for the spring semester and March 1st for the fall semester.
4. All requests will be submitted for board review and approval.
5. The high school will notify the pupil of the board decision by November 15th for the spring semester and May 15th for the fall semester.
6. A pupil may appeal the school board's decision to the state superintendent within 30 days after the receipt of the board's decision regarding satisfaction of high school graduation requirements, the number of high school credits to be awarded, or the comparability of courses.

If you have any questions regarding the Youth Options Program, feel free to call the school counselor.

Agriculture Education

Leadership: Semester course for students in Grades 9-10. The FFA past and present, parliamentary procedure and leadership and character development in life will be the focus of the class. A community service project will be built into the curriculum.
Course Code: 18203G
Career Cluster(s): Agriculture, Food, & Natural Resources / Human Services

Small Animal Care & Management: Semester course for students in Grades 9 -10. Small animal care and veterinarian medicine will be discussed. We will learn in depth about dogs, cats, rabbits and other small animals found in our homes. Some students will be able to bring in their own pets for demonstration purposes. Various breeds will be looked at and characteristics of many will be taught.
Course Code 18102G
Career Cluster(s): Agriculture, Food, & Natural Resources

Horticulture: Semester course for students in Grades 10-12. We will discuss basic landscaping and flower/shrub identification. We will discuss selections of grasses, trees, and shrubs for your lawn as well as care and maintenance. The class will look at an introduction to apples, strawberries, and other fruit production, as well as a series of classes on the number one fruit crop in the state of Wisconsin--cranberries. Hydroponics will be taught and the concepts needed for successful food production.
Course Code: 18052G
Career Cluster(s): Agriculture, Food, & Natural Resources

Greenhouse Management: Semester course for students in Grades 10-12. Greenhouse management and growing of bedding plants in the greenhouse will be addressed. The opportunity to have hands-on experiences in the propagation (planting) of various greenhouse flowers and plants will be the main focus. The highlight of the greenhouse experience will be the sale of the flowers and plants to the public in the spring. This is a class with a lot of hands on learning with numerous labs.
Course Code: 18053G
Career Cluster(s): Agriculture, Food, & Natural Resources

Large Animal Science I: 1st Semester course for students in Grades 10-12. We will discuss dairy cattle as well as components of milk and its by-products. Veterinarian medicine and care of dairy cattle will be emphasized. Milk labs will be performed in the class room to be able to sample and produce various dairy products**. If you are a junior or senior, you are eligible to take Animal Science I followed by Animal Science II in the same year for Western Technical College credits. You will receive your Brookwood credit as well as 3 Western Technical College credits for free, as long as a "C" average is maintained. This class qualifies as a Science Equivalency class.**
Course Code: 18103G
Career Cluster(s): Agriculture, Food, & Natural Resources

Large Animal Science II: 2nd Semester course for students in Grades 10-12. Students do not need Large Animal Science I before taking this class. Students will learn about beef, chickens, horses, swine, and sheep. Care and management of these species will be emphasized.
In addition you can take a 3 credit transcripted course with Western Technical College, if taken in the same year back-to-back, with Large Animal Science I. It is recommended for transcripted credits that students are a junior or a senior to qualify. Credits also transfer to UW-Platteville and UW-River Falls. Students must maintain a "C" average in order to qualify. This class qualifies as a Science Equivalency class.
Course Code: 18103G
Career Cluster(s): Agriculture, Food, & Natural Resources

Careers & Agribusiness: Semester course for students in Grades 11-12. Career opportunities in agriculture and agri-business as well as business in general will be discussed. We will have opportunities to listen to various speakers, as they give their presentation to the class about their jobs. Business Management as well as Farm Management will be addressed. Financial statements and profit and loss statements will be discussed, as well as trend sheets. This information will be useful as the need arises for credit and borrowing money as students get older. Various types of insurance will be taught as well as strategies in using them. The class will monitor and carry out the ordering of fruit for the annual fruit sales for the FFA as well as the distribution of the fruit and the accounting process.
Course Code: 18201G
Career Cluster(s): Agriculture, Food, & Natural Resources / Business Management & Administration

Food Science: Semester course for students in Grades 11-12. Food Science and Safety will be discussed. We will look at food science careers, as well as the importance of food science in our daily lives. We will study the importance of refrigeration and how food additives affect food and their importance. We will discuss meats and meat products. We will have food science labs which will include the processing of pork into brats and the processing of meat into summer sausage and bologna. Additional labs in food processing will be carried out.
Course Code: 18305G
Career Cluster(s): Agriculture, Food, & Natural Resources

Art (The class size limitations are due to the availability of supplies)

Recommended Order of Classes:

Freshman: a semester of beginning 2-D Art, 3-D or Drawing
Sophomore: a semester of beginning or advanced 3-D Art, 2-D or Drawing
Junior: a semester of advanced 2-D, 3-D, Drawing or beginning Painting
Senior: Advanced Painting or Independent Art or Ceramics

Beginning 2-D Art: Open to students in grades 9-12 as an introductory course using 2-D art media like drawing and painting**.** It is strongly recommended that you take this course before any advanced course or painting course as the skills developed here will be expanded upon in the more advanced courses. Class limited to 15 people due to the availability of supplies.
Course Code: 05154G
Career Cluster(s): Arts, A/V Technology, & Communications

Advanced 2-D Art: Open to students in grades 9-12 who have completed and have passed Beginning 2-D Art or Beginning Drawing. This course will continue to use 2-D media like drawing and painting media. Class limited to 15 people due to the availability of supplies.
Course Code: 05155G
Career Cluster(s): Arts, A/V Technology, & Communications

Beginning 3-D Art: Open to students in grades 9-12 as an introductory course using 3-D media like paper sculpture, plaster, soapstone, as well as the introduction to working with clay and ceramics**.** Class limited to 15 people due to the availability of supplies.
Course Code: 05158G
Career Cluster(s): Arts, A/V Technology, & Communications

Advanced 3-D Art: Open to students in grades 9-12 who have completed and have passed Beginning 3-D Art. This course will continue to use 3-D art media including a fourth quarter working with clay or ceramics. It is strongly recommended that you take this course before taking Ceramics. Class limited to 15 people due to the availability of supplies.
Course Code: 05158G
Career Cluster(s): Arts, A/V Technology, & Communications

Beginning Drawing: Open to students in grades 9-12 as an introductory course using basic line and value to create realistic drawings. Students will use various drawing media including drawing pencils, chalk or charcoal, pen & ink. It is strongly recommended that you take this course before any advanced course or painting course as the skills developed here will be expanded upon in more advanced courses. Class limited to 15 people due to the availability of supplies.
Course Code: 01516G
Career Cluster(s): Arts, A/V Technology, & Communications

Advanced Drawing: Open to students in grades 9-12 who have completed and have passed Beginning Drawing or Beginning 2-D. Students will continue to use advanced line and value techniques such as pointillism to create realistic drawings Class limited to 15 people due to the availability of supplies.
Course Code: 05156G
Career Cluster(s): Arts, A/V Technology, & Communications

Ceramics: Open to students in grades 10-12 who have completed and have passed 3-D Art. This course is an advanced study of creating things with clay. Class limited to 15 people due to the availability of supplies.
Course Code: 05159B
Career Cluster(s): Arts, A/V Technology, & Communications

Beginning Painting: Open to students in grades 11-12 who have completed and have passed 2-D Art or Drawing and is a more advanced and intense study of using different painting media like watercolor, tempera and acrylic paint**.** Class limited to 15 people due to the availability of supplies.
Course Code: 05157G
Career Cluster(s): Arts, A/V Technology, & Communications

Advanced Painting: Open to students in grades 11-12 who have completed and have passed Beginning 2-D or Drawing, Advanced 2-D or Drawing and Beginning Painting. This course is an intense study of using painting media. Class limited to 15 people due to the availability of supplies.
Course Code: 05157G
Career Cluster(s): Arts, A/V Technology, & Communications

Independent Art: Open to students in grade 12 who have completed and have passed 2-D, 3-D and drawing courses. This is an advanced course and the required courses are just that, required. Students will work by and must complete art projects agreed upon in the contract by both the student and the instructor. Class limited to 15 people due to the availability of supplies.
Course Code: 05197H
Career Cluster(s): Arts, A/V Technology, & Communications

Business Education

Computer Applications: **Semester course for students in Grades 9-12.** This course introduces the student to word processing and spreadsheet functions using Microsoft Office. Students will begin with basic skills for creating and editing documents and spreadsheets and continue with advanced spreadsheet functions and commands. Spreadsheet applications will be directly related to formatting business information and solving business problems. Class size is limited to 24. **Computer Applications is a transcripted course with Western Technical College. Juniors and Seniors are eligible for 5 credits, 3 credits for Software Applications for Business, 1 credit for Intro to Word, 1 credit for Intro to Excel. Freshmen and Sophomores are eligible for 2 credits, 1 credit Intro to Word and 1 credit Intro to Excel, as long as a "C" average is maintained.**
Course Code: 10004B
Career Cluster(s): Business Management & Administration / Finance / Information Technology

Desktop Publishing/Yearbook: **Semester course for students in Grades 11-12.** This course is designed to give students an opportunity to use publishing software to create professional looking projects such as flyers, letterheads, posters, and calendars. The class project will be to design and submit for publication the "*Falcon*", Brookwood High School's yearbook. Class size is limited to 24.
Course Code: 11152G
Career Cluster(s): Arts, A/V Technology, & Communications / Information Technology

Business in Society: **Semester course for students in Grades 11-12.** Business is the driving force of our economy. This course will explore strategies that companies use to grow and compete in today's global society. Students will investigate how businesses meet customer demands and how they adapt to change to succeed. It will illustrate how the private enterprise system encourages competition and innovation while focusing on its role in society. Some of the topics to be discussed include: ethical code of conduct, social responsibility, law of supply and demand, types of business organizations, human resource management, and marketing. **Business in Society is a 3 credit transcripted course with Western Technical College, as long as a "C" average is maintained.** (Business in Society will be offered every other year rotating with Emerging Tech.)
Course Code: 12052G
Career Cluster(s): Business Management & Administration / Finance / Marketing

Personal Finance: **REQUIRED Semester course for students in Grades 11-12.** Making decisions is an important part of effectively managing our finances. This course provides students with the knowledge and skills they will need to make wise decisions when it comes to spending, savings, investing, preparing tax returns, buying insurance, and planning for retirement. This financial knowledge is essential for the economic well-being of our country.
Course Code: 12149G
Career Cluster(s): Business Management & Administration / Finance

Accounting: **Year-long course for students in Grades 11-12**. The course is designed to provide accounting knowledge and skills needed for beginning accounting careers or to serve as a foundation to further education in accounting at the college level. Course content will include the basic elements and concepts of double entry accounting, the accounting cycle, merchandise inventory, and payroll. Students will complete a manual and computerized practice set. Emphasis is placed on accounting terminology, concepts, principles, practices and procedures. **Accounting is a 3 credit transcripted course with Western Technical College, as long as a "C" average is maintained.**
Course Code: 12104G
Career Cluster(s): Business Management & Administration / Finance

English

English 9: Year-long REQUIRED course for students in Grade 9. This is a course which stresses effective writing and speaking techniques in order to teach students to communicate effectively. The course is designed to encourage students to write in a number of forms—for both personal and public use—but ultimately stresses the formal essay format as a means to communicate academically in written word and speech. Each student writes papers about his name, his place in the family, and a personal incident. He/she will also write a descriptive paper and an extended definition. Ultimately, we will concentrate on the three-part essay format; students may write a personal essay, a literary essay, a cause-and-effect paper, a persuasive essay, and a research narrative. In addition to the writing portion of the course, the following literature units will be covered as well. The novel, *Animal Farm*, the play, *A Raisin in the Sun*, speech, *Antigone, Macbeth,* history of drama, the research paper, literary devices, *The Metamorphosis* and Greek Mythology**. Students failing one or both semesters of English 9 must retake the course as sophomores, juniors or seniors**
Course Code: 01001G
Career Cluster(s): Arts, A/V Technology, & Communications / Marketing

English 10: Year-long REQUIRED course for students in Grade 10. This is a course covering an in-depth literature, language arts and writing curriculum. Concepts of grammar/usage are reviewed and applied in written and oral compositions. Specific units of work include: short fiction, news literacy, classical epics and heroic tales, dystopian literature, technical writing, and historical fiction. Students will see how literature ties in with other disciplines such as history, art and music and how literature both mirrors and influences society. Writing instruction will focus on developing an understanding of the function of writing in all curricular areas**. Students failing one or both semesters of English 10 must retake the course as juniors or seniors.**
Course Code: 01002G
Career Cluster(s): Arts, A/V Technology, & Communications / Marketing

American Literature (Eng. 11): Year-long REQUIRED course for students in Grade 11. This is a course concentrating on a historical approach to American lit from Puritan period to 20th century prose and poetry. The course takes a chronological approach, introducing famous writers who have influenced the development of literature and thought in the United States. The goal of American Lit is to get students to appreciate literature through reading, viewing, and creating.
Course Code: 01054G
Career Cluster(s): Education & Training

Modern Novels: Semester course for students in grades 11-12. Modern Novels involves reading and discussing literature written in the last half century. Students should find the reading material enjoyable, since every novel is written in a modern style that contains exciting plots and relatable characters. The course will require reading and writing about literature. It is designed for the college-bound student, although anyone who enjoys reading is encouraged to take this class.
Course Code: 01062
Career Cluster(s): Arts, A/V Technology, & Communications

Sports Literature: Semester course for students in Grades 11-12. This semester course involves reading and discussing fiction and informational texts dealing with themes from the world of athletics. The course is designed to analyze how literature and sports relate to American culture. Novels, short stories, diaries, essays and documentary films dealing with the history, excitement, and controversies of popular sports will be analyzed. This course is designed for students who enjoy reading.
Course Code: 01065G
Career Cluster(s): Arts, A/V Technology, & Communications

Business Writing: Semester course for students in Grade 12: Business Writing is designed to teach business writing skills that will carry over into the world of work. We will deal with business writing of various forms, job hunting strategies, personal data sheets, scholarship applications, interviewing, completing job applications, resumes and cover letters as well as the written college essay and college/tech school applications. In addition, there are also several novels integrated into the course dealing with life-skills and self-discovery. Round table discussions are conducted weekly. **This class is to be articulated with Western Technical College, meaning students taking the class will obtain three (3) English credits through WTC as long as a 'B' semester average is maintained. Students not planning on attending WTC can use the course to meet their English requirement as well.**
Course Code: 01999G
Career Cluster(s): Arts, A/V Technology, & Communications / Business Management & Administration / Marketing

Advanced Placement English Literature and Composition: Year Long Course for students in Grade 12. AP English and Composition covers two semesters and includes an intensive study of British and other literature. It will give students a learning experience equivalent to a typical undergrad Introduction to Literature course. **This means that you will have the opportunity to take a freshman level college course while still in high school.** The class size is small, so you will get a significant amount of one-on-one instruction. An AP course looks good on your transcript. In May, you will be able to take the AP exam. If you score a 3-5 on a scale of 1-5, you will be awarded college credit from the college of your choice. Usually colleges award three to six college credits for passing the AP exam. Even if you don't pass the AP exam, you will be one step ahead of other college bound students by being prepared for what a college class is like. The class is run as a lecture/discussion format. You will be exposed to numerous types of literature as well as the analysis of it. There is no research paper required for this course. However, you will be asked to read, discuss, and write analytically and structurally. The primary goals of this course are to prepare students for college writing and college English courses; to help students prepare for the national AP exam; to guide students in the development of their reading, writing, and discussion skills, and to foster a greater appreciation for literature. If you have any questions about the course, please contact Ms. Gibson and she will gladly answer any concerns you have.
Course Code: 01005E
Career Cluster(s): Arts, A/V Technology, & Communications / Education & Training

English as a Second Language

All 9-12 ESL students are serviced at the Brookwood High School. English as Second Language classes are offered to students whose first language is a language other than English. Placement is determined by English placement tests, such as W-APT or ACCESS.

ESL: Beginning Language Arts – 1 credit
Students who qualify are given instruction to conversational and academic English.
Course Code: 01008B

ESL: Intermediate Communication Arts – 1 credit
This course works toward paralleling the Communication Arts curriculum with special emphasis upon proficiency in reading, speaking, listening, writing and comprehending grade level text. Students receive a Communication Arts credit for this class.
Course Code: 01008G

ESL: Advanced Communication Arts – 1 credit
This course works towards paralleling the Communication Arts curriculum with special emphasis upon proficiency in reading, speaking, listening, writing and comprehending grade level text. Focus is placed on preparing students to engage in regular Communication Arts courses. A Communication Arts credit is awarded for this class.
Course Code: 01008E

ESL: ELL Academic Support – 1 credit
This course focuses upon language fluency, core coursework assistance as well as assimilation to the American school system.
Course Code: 01008G

Family and Consumer Education

***** It is highly recommended that students take the foods courses in the following order:**

Foods for Life – as a Freshman or Sophomore
Food Service 1 – as a Sophomore or Junior
Food Service 2 – as a Junior or Senior

Foods for Life: **Semester course for students in Grades 9-12.** The student will learn the importance of food as it relates to nutritional needs, social interactions and global effects. They will explore influences on food choices, how food patterns are formed and how they change. The USDA Food Guidelines are studied and used in meal planning. They are also used as a format for lab experiences with a variety of foods. The student will learn basic cooking skills and develop an understanding of some basic principles of food science, while becoming familiar with the safe care and use of food and kitchen equipment. In addition, students will learn to become wise consumers of one of the largest lifetime expenditures-- food.
Course Code: 22202G
Career Cluster(s): Health Science / Hospitality & Tourism / Human Services

Food Service I: Semester course for students in Grades 9-12. This class is an introduction to food service occupations, giving students basic background information needed to function successfully in food service occupations. Students will become familiar with job responsibilities, food production, as well as safety and sanitation procedures through simulated experiences in the classroom. Students will learn basic production and service of common menu items, how to design a menu and food garnishing. They will also participate in a catering event and a business venture involving producing and selling a product.
Prerequisite: Foods for Life.
Course Code: 16051G
Career Cluster(s): Health Science / Hospitality & Tourism

Food Service II: Year Long Course for students in Grades 11-12. This class is a continuation of Food Service 1. This career oriented class looks at what role students can play in the food service industry. Food Service 2 will be a more in-depth study of the various areas of the food service industry as well as mastering additional cooking skills. Areas to be studied will include institutional foods, fast food, catering, hotel restaurants and fine restaurants. Additional cooking experiences will include quantity foods, cake decorating, garnishing and learning some advanced cooking skills. Students will also put their skills to the test in a simulated business setting, operating a breakfast restaurant in school. From start to finish, students will design their business projects, plan and cost menus, create atmosphere for service and implement their projects. Students will have the opportunity to experience a variety of job positions from the prep person to the manager. They will also explore career opportunities and advanced educational options.
Prerequisite: Foods for Life and Food Service 1.
Course Code: 16052G
Career Cluster(s): Business Management & Administration / Health Science / Hospitality & Tourism

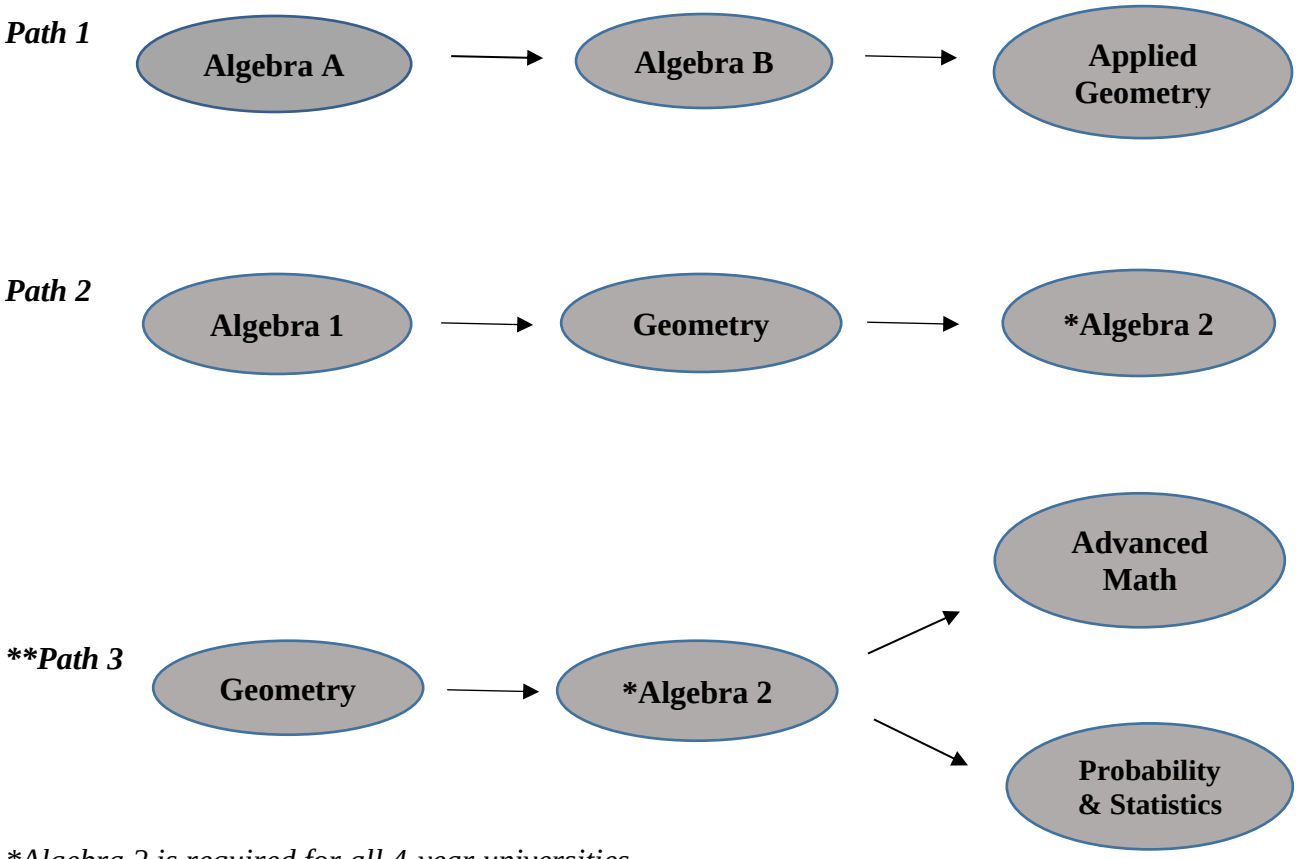
Teen Issues: Semester course for students in Grades 9-12. This course will help students explore a variety of issues that become relevant as they make the transition through their teen years to adulthood. Topics of discussion will include career choices, lifestyles, relationships, sexuality, depression, use of technology in today's world and others. The course will focus on the challenges that all of these topics bring to today's teens as well as the consequences of various choices that can be made. The course will also stress ways to connect with various community and human services organizations which are available to help individuals and families to deal with crisis in their lives.
Course Code: 22208G
Career Cluster(s): Health Science / Human Services

Parent and Child: Semester for students in Grades 10-12. This class emphasizes the responsibilities of the family to provide for individual development and socialization of the child. This course is designed to explore ideas and expectations about parents and children in our society. Students are encouraged to explore issues that might indicate a person's readiness to become a parent and that may help to make the parenting experience more positive for both parents and children. Students will learn about the birth experience, care of infants and children, and growth and development of young children, as well as differing styles of parents and family interaction. This course is also an excellent choice if you plan to pursue a career in child care, education or any area of human services working with children.
Course Code: 22204G
Career Cluster(s): Health Science / Human Services

Home Design and Interiors: Semester course for students in Grades 11-12. Where we will live and what type of home we choose is a question that everyone will answer in their lives. Homes and Interiors is a course that will help students examine the interrelationship of human needs, culture, society and housing. It will give them insights into housing in the past and present, which will help them make informed choices for their future. They will learn basic elements of design and construction and how they could be applied to building or remodeling a home of their own. There is a field trip opportunity to view new and used homes with a realtor and to determine how the choice might be made when buying a home. In addition students will also be introduced to the many career opportunities in the housing industry today.
Course Code: 22211G
Career Cluster(s): Architecture & Construction / Arts, A/V Technology, & Communications

Mathematics

Flow Chart of Math courses



**Algebra 2 is required for all 4-year universities*
***Path 3 is <u>only</u> for students who took Algebra 1 during their 8th grade year*

Four years of math are highly encouraged for college-bound students. Recommended math paths for those college-bound students:

Grade	Path 1
9	Algebra A
10	Algebra B
11	Applied Geometry
12	Algebra 2

Grade	Path 2
9	Algebra 1
10	Geometry
11	Algebra 2
12	Advanced Math AND/OR Probability & Statistics

Grade	Path 3
9	Geometry
10	Algebra 2
11	Advanced Math AND/OR Probability and Statistics
12	Calculus *(must have taken Advanced Math in order to enroll)*

<u>Algebra A& B:</u> Year-long courses for students in Grade 9-10. Algebra A and Algebra B are both whole year, 1 credit Math courses. Students completing Algebra A and then Algebra B would receive the same curriculum as students completing the one year Algebra 1 course. Students taking the A/B track would have

the opportunity to receive the same instruction as their Algebra 1 peers, but at a slower pace, allowing for intervention and re-teaching. Algebra A/B would take the place of students taking Pre-Algebra and then Algebra I.
Course Codes: 02053G (Algebra A) 02054G (Algebra B)
Career Cluster(s): STEM

Applied Geometry: Year-long course for students in grades 11-12. Applied Geometry is to be taken after the successful completion of Algebra B. Many of the basic problem solving skills learned in Algebra A & B, are a prerequisite to success in this class. Using a practical approach, there is a focus on logical thinking and deductive reasoning. This type of skill is needed to complete all of the proofs done in typical Geometry. Angles, segments, planes, counter examples, converse, triangles, quadrilaterals, similarity, trigonometry, circles, polygons and areas, surface area and volume, vectors, loci and transformations are all covered. **Prerequisite: Algebra B**
Course Code: 02071
Career Cluster(s): STEM

Algebra I: Year-long course for students in Grade 9-11. This class is the basic building block for other high school or technical programs. It also teaches many important concepts needed in everyday living. The main role in Algebra is for students to develop an understanding of the use of variables and then to develop the confidence in using variables to express relationships in various problem-solving situations. Areas in which this idea is covered include numeration, measurement, statistics, geometry, algebra, and discrete mathematics.
Course Code: 02052G
Career Cluster(s): STEM

Geometry: Year-long course for students in Grade 9-11. Geometry is to be taken after the successful completion of Algebra I. Many of the basic problem solving skills learned in Algebra I, are a prerequisite to success in this class. There is also a heavy focus on logical thinking and deductive reasoning. This type of skill is needed to complete all of the proofs done in Geometry. Angles, segments, planes, counter examples, converse, triangles, quadrilaterals, similarity, trigonometry, circles, polygons and areas, surface area and volume, vectors, loci and transformations are all covered. **Prerequisite: Algebra I**
Course Code: 02072G
Career Cluster(s): STEM

Algebra II: Year-long course for students in Grade 10-12. Topics of Algebra 1 are covered in more depth. Also, the Texas Instrument Graphing calculators are introduced and some work is done on these. Topics covered are Equations and Inequalities, Linear Relations and Functions, Systems of Equations and Inequalities, Matrices, Polynomials, Irrational and Complex Numbers Quadratic Equations, Quadratic Relations and Functions, and Conics.
Course Code: 02056G
Career Cluster(s): STEM

Probability and Statistics: Year-long course for students in Grades 11-12.
This course introduces the study of likely events and the analysis, interpretation, and presentation of quantitative data. Course topics generally include basic probability and statistics: discrete probability theory, odds and probabilities, probability trees, populations and samples, frequency tables, measures of central tendency, and presentation of data (including graphs). May also include normal distribution and measures of variability. **Prerequisites are Algebra 1, Geometry and Algebra 2.**
Course Code: 02201E
Career Cluster(s): STEM

<u>Advanced Math:</u> Year-long course for student in Grades 11-12. Sometimes this class is referred to as Pre-Calculus or Advanced Math and Trigonometry. Prerequisites are Algebra 1, Geometry, and Algebra 2. Students pursuing a degree that requires a lot of math and science should take this course. Topics covered are linear relations and functions, conics, vectors, systems of equations and inequalities, imaginary numbers, logarithmic functions, matrices, trigonometry and statistics. Some work will be done on Texas Instrument Graphing Calculators. **Prerequisites are Algebra 1, Geometry and Algebra 2**
Course Code: 01205E
Career Cluster(s): STEM

<u>Calculus:</u> Year-long course for students in Grade 12. This course provides our students with a background of what Calculus entails as well as a review of the studies of Algebra and Trigonometry, which are used quite often in illustrating Calculus concepts. The course focuses on limits, derivatives, integration, and applications of these ideas in realistic situations so students can see how Calculus will be useful in their later academic and professional careers. **Prerequisite: Advanced Math**
Course Code: 02121E
Career Cluster(s): STEM

Music Education

Beginning Guitar: **Semester long course for students in Grades 9-12**. Prior knowledge or experience in guitar is not required. This course will teach basic music theory and guitar technique that will allow the student to read and perform a simple lead sheet. This knowledge will give the student the ability to expand their repertoire without the assistance of the teacher. The course will include reading music on the treble clef, scales, accidentals, melody, chords, chord progressions, transposition, composition, improvisation, and solo and group performance.
Course Code: 05108B
Career Cluster(s): Arts, A/V Technology, & Communications

Senior High Band: **Year-long course for students in Grades 9-12.** This course is for students who enjoy music and have a willingness and desire to participate in group instruction. Previous experience in Jr. High band is preferred but not required. This course will help improve the development of group and individual capabilities. Band at the high school level is geared toward performance and therefore students are expected to attend class, and all band performances on a regular basis. The high school band performs at all home football games, basketball games, music festivals, and concerts.
Course Code: 05102G
Career Cluster(s): Arts, A/V Technology, & Communications

Senior High Choir: **Year-long course for students in Grades 9-12.** This class is for students who like to sing. You don't have to be great soloist in order to be a great choir member. Members will work on improving their skills as individual singers and as group singers. Since this is a performance based class members will be required to participate in all performances throughout the year. The Choir also carols at area nursing homes in December and takes a group trip every other year. Other musical opportunities that are available to choir members are Solo & Ensemble Festival and Honors Choir.
Course Code: 05110G
Career Cluster(s): Arts, A/V Technology, & Communications

Physical Education

Physical Education: Grades 9-11: Students participate in fitness activities, with more focus on life skills. Activities participated in include: Archery, Snow Football, Fitness, Badminton, Skiing, Pickleball, Basketball, Volleyball, Softball, Golf, Hiking, and La Crosse.
Course Code: 08001E
Career Cluster(s): Health Science

Physical Education 12: **Semester course for students in Grade 12. Physical Education 12 is** advanced personal physical fitness with an emphasis on improving athletic performance. Including running up to 3 miles, weight room circuit training, plyometrics, and crossfit training.
Course Code: 08005
Career Cluster(s): Health Science

Weightlifting: **Semester course for students in Grades 11-12.** This course counts as a P.E. class. This course will introduce students to lifting weights. Students will learn several different lifts for each area of the body. They will also learn what muscles each lift concentrates on. By lifting different muscle groups each day, students will gain both muscle mass as well as muscle tone. Weightlifting is a participation class that is mainly graded on hard work that is done in class while lifting weights along with a couple exams.
Course Code: 08009G
Career Cluster(s): Health Science

Science

General Biology: **Year-long course REQUIRED for students in Grade 9.** This class consists of mainly life science topics. Throughout the course, the students learn about population biology, food chains, classification, cell structures, life and nutrient cycles, mitosis, meiosis, and organic molecules of the cells. The number of labs that are run range from 1-2 per week depending on class sizes.
Course Code: 03051G
Career Cluster(s): Health Science / STEM

Earth Science: **Year-long course REQUIRED for students in Grade 10.** Topics covered include rocks, minerals, weathering, deposition, erosion, water systems, and other processes that are changing the face of the Earth, and the history of Earth. The Rock Record, View of Earth's Past, Groundwater, Glaciers, and Erosion by Wind and Waves. In addition, it would incorporate units on chemistry, forces, motion and wave properties, to ensure that the students get repeated exposure to the topics, as the standards recommend. Students will usually spend 1 day a week doing lab experiments.
Course Code: 03002G
Career Cluster(s): STEM

Environmental Science: **1st & 2nd Semester courses for students in Grades 10-12**. The main goal of this course is to make the students more aware of their environment and the effect of their actions on the environment. Global problems are addressed with the emphasis on things that can be done at a local level. Another major topic is tradeoffs that are a necessary part of the wise use of our environment. This course is broken into two major sections. This course is a general introduction to pollution of water, soil, and atmosphere.
Course Code: 03003G
Career Cluster(s): Agriculture, Food, & Natural Resources / STEM

Advanced Biology: **Year-long course for students in Grades 10-12.** Advanced Biology is a much more detailed course dealing with the life science area. Throughout the course the students learn about the major organic compounds and how they are made, Protein synthesis, enzymes, respiration and photosynthesis cycles, ATP and energy conversions throughout the cycles, evolution, and the fourth quarter deals with mainly anatomy and physiology. The students are in lab almost exclusively during the fourth quarter working on dissections including identifications of cats and/or fetal pigs. This course is offered to students who have taken at least two years of science, usually juniors and seniors. **Prerequisite: Students must have passed General Biology with at least a 'C'. Students cannot take 2nd semester without having taken 1st semester, unless permission is given.**
Course Code: 03052G
Career Cluster(s): Health Science / STEM

Chemistry: **Year-long course for students in Grade 10-12.** This general Chemistry class covers the very basic aspects of chemistry and includes such topics as: the periodic table, atom and molecule structure, chemical equations, conversion factors, stoichiometry, gas laws, redox reactions, endothermic and exothermic reactions, use of enzymes and/or other catalysts. This course also deals with the major scientists and their laws and theories of chemistry. After the first 3 weeks, the students usually perform two lab experiments per chapter. This course is offered to a student who has passed or is in Algebra 2.
Course Code: 03101G
Career Cluster(s): STEM

Advanced Science: Year-long course for students in Grade 12. This course deals mainly with general physics. The course goes over the main laws of physics and the major people associated with the physics field such as straight line and circular motion and forces, momentum gravity, waves, sound and light. The students are usually in the lab 1-2 days a week. **Prerequisite: Must have successfully passed Algebra 2 and Geometry.**
Course Code: 03151G
Career Cluster(s): STEM

Social Studies

U.S. History I: Discovery to 1877: Year-long course REQUIRED for students in Grade 9. This U.S. History course is a 2-year course. As a chronological study of our country's history, this course covers these topics: Age of Discovery, Colonial Period, Revolutionary Period, U.S. Constitution & Government, U.S. Growth from 1800-1850, Civil War and the Period of Reconstruction.
Course Code: 04102G
Career Cluster(s): Government & Public Administration

U.S. History II: 1877 to Present: Year-long course REQUIRED for students in Grade 10. This is the 2nd half of the 2-year U.S. History course. This course studies U.S. History from the post-Civil War period to the present. General topics include: the American West, the Rise of Industrial America, the U.S. role in world affairs, the Roaring '20's, the Great Depression, the New Deal and World War II. Also covered is a basic chronology of major events that occurred from post-World War II to the present.
Course Code: 04103G
Career Cluster(s): Government & Public Administration

World History: Year-long course REQUIRED for students in Grade 11. This is a class where students will learn the various aspects of World History, beginning with the early civilizations of the river valleys (e.g., Euphrates, Yellow, Hindu, etc.) and concluding with problems found in our contemporary world. Emphasis is placed on the building of Western civilization, the rise of nations, and the impact of industrialization on our world.
Course Code: 04051G
Career Cluster(s): Government & Public Administration

Psychology: Semester course for students in Grades 10-12. This is a ½ credit course. Psychology class consists of discussing and discovering the interesting things about the human mind. The history and professions of psychology as well as the principles and applications psychology in recent and past studies of both humans and animals will be studied. Better understanding of why humans act, think and behave the way we do. What motivates us? Why do we have certain memories and thoughts? How do we deal with them? How do we handle and adjust to stress and other adaptations in our society? Why do some people, if not all, have some abnormalities in their behavior? Through this study we will be able to see the relationship between people and their environments and try to make a correlation between their effects.
Course Code: 04254E
Career Cluster(s): Human Services

Social Problems: Semester course for students in Grades 10-12. This contemporary, one-semester course focuses on the various problems that afflict mankind today. This course attempts to make students aware of the pitfalls and challenges inherent in today's complex world. The purpose of this course is to allow students to analyze and critically examine a wide array of contemporary issues that affect society today, as well as

learn some basic skills in sociology. Students will develop insight on major social, political, moral, and economic problems that presently affect society.
Course Code: 04106
Career Cluster(s): Human Services / Government & Public Administration

Wisconsin Studies: **Semester course for students in Grades 10-12.** In this course, we will be studying about the state of Wisconsin. We will start with the history of our state dating back to prehistoric times. We will learn about the many Indian groups that inhabited our state and how the introduction of the Europeans changed the states' way of life. We will follow our state's history up until the present in the twenty first century. We will also spend the last part of the semester on local history. We will be exploring the history of Norwalk, Ontario, and Wilton as well as some of the unique land features and settlements in our region.
Course Code: 04105G
Career Cluster(s): Agriculture, Food, & Natural Resources / Government & Public Administration

Spanish

Spanish I: **Year-long course for students in Grades 9-12.** This introductory Spanish language course sets the stage for learning through listening, speaking, writing, reading and acting. Students explore the language through hands on cultural activities, active listening and story-telling through skits and drawings. Students are able to describe important and personal events, express likes and dislikes, give opinions and ask questions. Focus on all language skills with emphasis on listening and speaking. There are special projects such as writing and illustrating a children's book and movie. Technology projects include PowerPoint's, Pod casting and web page design. Students will read 1-2 Spanish language novellas and view cultural/ historical films. **Prerequisite: C or better in English.**
Course Code: 06101G
Career Cluster(s): Arts, A/V Technology, & Communications / Government & Public Administration

Spanish II: **Year-long course for students in Grades 10-12.** This second level Spanish language course builds on Spanish I vocabulary and grammatical structures. More vocabulary, scenarios and tenses are explored in order to continue self-expression using the Spanish language. Equal focus is on all language skills with special projects that highlight a student's individual skills and abilities. Technology projects include PowerPoints, Pod casting, music video and web design. Students will read 1-2 Spanish language novellas and view cultural/ historical films. **Prerequisite: B or better in Spanish I or scoring an 87% or better on a placement test.**
Course Code: 06102G
Career Cluster(s): Arts, A/V Technology, & Communications / Government & Public Administration

Spanish III: **Year-long course for students in Grade 11-12.** This advanced level course prepares the Spanish language student for international travel, university course work and more complex social situations. **Prerequisite: B or better in Spanish II or scoring an 87% or better on a placement test.**
Course Code: 06103E
Career Cluster(s): Arts, A/V Technology, & Communications / Government & Public Administration

Special Services

In compliance with Public Law 94:142 and the amendments in the Individual's with Disabilities Education Act of 2004 (IDEA), the Norwalk-Ontario-Wilton School District provides Special Services to students with special needs. The Special Services team provides individualized instruction through the development of an Individualized Educational Plan (IEP) that is reviewed and revised annually. A full continuum of special education services is available to meet the needs of students with all categories of disabilities in the Norwalk-Ontario-Wilton School District. Additional services are also available through the Wisconsin Department of Vocational Rehabilitation.

General English 9, 10, 11,12: These classes provide functional reading and writing skill instruction. Students are provided an opportunity to read instructionally appropriate materials that enhance and strengthen their skills. Writing skills instruction focuses on writing for vocational purposes, as well as basic communication**.**

General Math 9, 10, 11, 12: Basic Math and Consumer Math are offered on an as needed basis. Skills such as budgeting, managing a checking account, counting money, practicing measurement skills and learning about time are included.

General Social Studies 9, 10, 11, 12: American History, World History, and Economics/Government are offered. Instruction focuses on key concepts of these content areas. These classes are offered on an as needed basis and cover the course expectations of the regular education curriculum at the pace and instructional style appropriate to students' needs.

Employment Skills: This course provides the student an opportunity to develop skills necessary to make informed decisions regarding post high school outcomes. Skills necessary to secure and maintain employment are emphasized.

General Independent Life Skills: This class focuses on skills students need to be successful to live independently after high school. Emphasis is placed on skills such as budgeting, locating and renting housing, obtaining loans/credit, and utilizing community resources.

Technology Education

Drafting: Semester course for students in Grades 9-12. Plans need to be prepared for most everything that is made. In Technical Drawing, we learn how to put plans onto paper. Basic mechanical drawings are made with common drawing principles and concepts practiced. Some manual drawing is done while most of it is done on computers. After covering simple drawings, you will be able to draw more complicated drawings including isometric and oblique drawings. A home plan will be drawn before the course is complete.
Course Code: 21102B
Career Cluster(s): Architecture & Construction / Information Technology

Materials Technology: **Semester course for students in Grades 9-12.** Material Technology is an introductory level course where students learn about different building materials, their properties and uses in manufacturing. Basic use of most woodworking equipment will be taught. Planning, designing, and building techniques are introduced. Class members will work cooperatively on a project.
Course Code: 17001B
Career Cluster(s): Architecture & Construction / Manufacturing

Welding I: 1st Semester course for students in Grades 10-12. This class provides an introduction to metal and metal characteristics for welding purposes. Students will learn the basic principles of welding. Primary focus is on the oxy-acetylene torch and arc welding. Use of welding equipment and safety as well as welding methods, techniques, and uses for welding are taught. Students will also be introduced to wire feed welders and the plasma cutter. **This class is to be articulated with Western Technical College, meaning students taking the class will obtain one (1) credit through WTC as long as a 'B' semester average is maintained. This class is also a transcripted class with WTC as long as a "C" semester average is maintained.**
Course Code: 13207B
Career Cluster(s): Manufacturing

Metal Fabrication: **2nd Semester course for students in Grades 10-12.** Metal Fabrication is a course of metal fabrication and weld construction. Safety techniques and methods of welding will be covered. The opportunity for extended use of the wire feed welders is provided. Some advance welding techniques will be covered such as aluminum and stainless steel welding. Metal fabrication using the grinders, metal lathe and milling machine will be taught. Students will be able to make a metal project individually or cooperatively using welding and other metal construction practices.
Prerequisite: Welding I.
Course Code: 13207B
Career Cluster(s): Architecture & Construction / Manufacturing

Wood Technology I: 1st Semester course for students in Grades 10-12. This Woodworking course introduces the precision use of woodworking equipment. Construction techniques in cabinetry are taught providing an opportunity for students to learn different methods of woodworking. Students will be assigned a project, which will enhance their building skills before advancing to individual project work. The building materials students use for projects must be purchased by the student.
Course Code: 17006B
Career Cluster(s): Architecture & Construction / Manufacturing

Wood Technology II: 2nd Semester course for students in Grades 10-12. Wood Technology II is continuation of Wood Technology I. Students will work on individual projects of their choice using more advanced woodworking techniques. Use of the lathe and wood shaper are demonstrated and student use of this equipment is encouraged to help them perfect the fine art of cabinet making.

Prerequisite: Wood Technology I.
Course Code: 17006B
Career Cluster(s): Architecture & Construction / Manufacturing

Engines and Power Systems: Semester course for students in Grades 11 -12. Small engines are used to teach principles of engine operation and design. The theory of engine operation is taught followed by disassembly and assembly of the small gasoline engine. Students will also study multiple cylinder and diesel engines. Theory and principles of power systems driven by engines is touched upon. Power systems may include autos or any system functioning together with an engine.
Course Code: 20110B
Career Cluster(s): Transportation, Distribution, & Logistics

Engineering: Semester course for students in Grades 11-12. This class involves the major concepts of basic engineering systems. Students will cover engineering principles. Areas that will be covered include structural design, mechanical drive trains, and wheels of motion, steering components, electrical circuitry and hydraulics. Several small projects will be made after general concepts have been taught within the covered engineering areas. **No Prerequisite.** Course Code: 21003G
Career Cluster(s): Architecture & Construction / Manufacturing / STEM / Transportation, Distribution, & Logistics

Health

2nd Semester course REQUIRED for students in Grade 9.
Health is a required course for graduation. Course materials consists of "Your Health & Wellness"; "Making Healthful Choices"; "Physical Fitness & Your Health; "Body's Reproductive System"; "Life Cycle"; "Sexually Transmitted Diseases"; "HIV & Aids"; "Understanding Medicines"; "First Aid"; "Tobacco, Alcohol, and Drugs"; "Mental & Emotional Health".
Course Code: 08051E
Career Cluster(s): Health Science

College Bound Students

All 4 year Wisconsin Universities (UW System Schools) require a *minimum* of 13 Core College –Prep credits plus 4 "elective" credits (as listed):
4 credits of English
3 credits of Social Studies
3 credits of Math – Algebra 1, Geometry, Algebra 2 (minimum)
3 credits of Natural Science
4 credits of electives: from the core college preparatory areas above, foreign language, fine arts, computer science and other academic areas.

**A minimum of two credits of a single foreign language is required for admission to UW Madison and may help to meet graduation requirements at other UW System campuses.

See Introduction to the University of Wisconsin System booklets or check out additional information on line at www.uwhelp.wisconsin.edu.

1. The minimum credits necessary to graduate from Brookwood High School may not meet minimum requirements for admission to universities or technical colleges. Often a student needs to take additional appropriate coursework to be qualified for the next educational level. *Students should check periodically with the guidance office or college catalogs/websites regarding specific school admission requirements.*
2. College Bound Juniors – Plan to take the ACT Test during the spring (March) of your junior year. Campus visits should be made during the junior year or that following summer.
3. College Bound Seniors – UW schools recommend you submit your application for admission beginning September 1 of your senior year. Some private schools and technical schools recommend submitting your admissions application once you complete your junior year. We strongly recommend early application.