2024 – 2025

STOUGHTON HIGH SCHOOL

Course Selection & Career Planning Guide

STOUGHTON
VIKINGS

Excellence in Academics, Arts, Athletics & Co-Curricular Activities

Mission Statement

The mission of Stoughton High School, by maintaining a safe, challenging, and diversified learning environment, is to graduate literate, respectful, and responsible individuals with skills that prepare these citizens for a lifetime of informed decision-making.

Nondiscrimination Statement

Stoughton Area School District does not discriminate on the basis of a person's sex, race, national origin, ancestry, creed, religion, pregnancy, marital or parental status, sexual orientation, or physical, mental, emotional, or learning disability in its education programs or in employment (Wis. Stat. § 118.13, Title IX, Title VI of the Educational Amendments of 1972, and Section 504 of the Rehabilitation Act of 1973).

STOUGHTON VIKINGS

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Stoughton High School
600 Lincoln Ave. Stoughton, WI 53589
(608) 877-5600

Dear Students of Stoughton High School,

The future holds many choices; few are more important than choosing a career path that is right for you. As you consider your future, think about what is important to you and what you want out of life. Use this knowledge to guide your selection of courses at Stoughton High School. The choices you make and the courses you take while in high school, in large part, affect your ability to achieve the goals in life that you set or will set for yourself.

Plan your four-year program of courses as early in high school as possible. Do this carefully and thoughtfully, and keep in mind your capabilities, interests, post-secondary plans, and career ambitions. When planning your four-year high school program, actively seek the advice and guidance of parents, teachers, counselors, and other respected adults. This guide is intended to assist you in this process. Read it thoroughly; ask questions of SHS Staff to learn more about the courses and programs offered at Stoughton High School.

Course planning is a complex and multi-faced task. Once students select courses, budget and staffing decisions are made to accommodate student requests. Because of this, students are highly encouraged to plan carefully and thoughtfully. When a course has been approved to run it is crucial to keep class size at acceptable levels. Therefore, schedule change requests cannot always be approved.

The time for decision-making and planning is now. The future is yours!

Sincerely,

MJK

Mr. Kruse
Principal

GRADUATION REQUIREMENTS

Graduation requirements at Stoughton High School are established by the Board of Education

24.0 credits are required to graduate from SHS

Students are expected to take a minimum course load of 6 credits per year

No student is permitted to participate in commencement exercises unless all graduation requirements have been satisfactorily fulfilled

Credit Requirements

Language Arts (4 credits)	
Language Arts 9	1 credit
Language Arts 10	1 credit
Language Arts 11	1/2 credit
Additional LA classes	1 1/2 credits
Social Studies (3.5 credits)	
Modern United States History	1 credit
Ancient World History	1 credit
Modern World History	1/2 credit
American Government	1/2 credit
Economics	1/2 credit
Science (3 credits)	
iSTEM	1 credit
Biology	1 credit
Chemistry	1/2 credit
Additional Science classes	1/2 credit

Mathematics (3 credits)
Physical Education (1.5 credits)
Health (.5 credit)
Fine Arts (.5 credit)
Career & Technical Education (.5 credit)
Additional Credits (7.5 credits)

Please review each requirement carefully and contact your school counselor if you have a question or are unsure about your current credit status.

SCHEDULING POLICIES

Students are expected to take a minimum course load of 6 credits per year

Counselors

Amanda Dow (Students A-G)
(608) 877-5609
amanda.dow@stoughton.k12.wi.us

Ann Ash (Students H-N)
(608) 877-5612
ann.ash@stoughton.k12.wi.us

Kristin Natzke (Students O-Z)
(608) 877-5614
kristin.natzke@stoughton.k12.wi.us

General Guidelines

Students **may** change their original course requests for the following reasons:

- To resolve class conflicts (e.g., two classes scheduled during the same period)
- To meet graduation requirements
- To remove students from classes they are not eligible to take
- To balance class sizes

Students **may not** change a course for these reasons:

- To accommodate student preferences for teachers
- To accommodate student preference for class times
- For social reasons (e.g., to be with friends)

Adding Classes

- Please note that students are encouraged to change their schedule prior to the start of school.
- Counselors are available to revise schedules during registration days and other published summer days.
- Students are not permitted **to audit or take classes for no credit**.
- Students may add classes within the first four (4) school days of each semester.

Dropping Classes

- Students who drop classes within the first four (4) days of each semester will be withdrawn without academic penalty.
- Drops after the 4-day grace period will result in an F. Exceptions to this policy will be reviewed on a case-by-case basis.

Exceptions

- Exceptions and appeals to scheduling policies are made to and approved by the High School Principal.
- Only those exceptions that are recommended by a counselor will be considered.
- The credit load requirement may be modified if student is enrolled in a work-based learning program such as Youth Apprenticeship or Work Experience. The modification must be recommended by a counselor and approved by the principal.

Concurrent Enrollment Programs

The **Early College Credit** and **Start College Now** programs allow public high school students to take courses at institutions of higher education that are not comparable to courses offered at the high school. Students are able to receive high school and/or postsecondary credit for doing so. Each of these programs has its own set of rules, application and admission procedures, and tuition requirements.

The **Early College Credit** program allows students grades 9 -12 to take classes at 4-year institutions in the state. The **Start College Now** program allows students in grades 11-12 to take courses at technical colleges in the state. Students must apply the semester prior to the term in which they wish to enroll. Applications are available through your school counselor.

Advanced Placement

What is Advanced Placement?

Stoughton High School offers several Advanced Placement courses. Advanced Placement provides students an opportunity to experience university level curriculum while still in high school. The Advanced Placement program (AP) is a cooperative educational endeavor between high schools and colleges or universities. It allows students the opportunity to experience **college-level** courses while in high school and gives students the opportunity to show mastery by taking and scoring well on the AP exam.

How difficult are AP courses?

AP courses are college courses, and therefore are more demanding academically. The intellectual skills (critical reading, analyzing data sets, synthesizing evidence to develop new insights) and interests that student develop by taking AP courses will equip them for lifelong learning.

What do I need to do to succeed in an AP course?

Students need to be self-motivated and disciplined in order to keep up with the material. An AP course, as with any other college course, moves rapidly and covers a lot of material, which means many assignments are done outside of class on the student's time. This may also include completing pre course work over the summer to prepare for the start of the AP course in the Fall. Students need to have good time management skills, be active participants during class by asking questions, participating in class discussions and keeping up with the assignments.

Benefits of Taking an AP Course

If students take and pass the AP exam, they will receive credit, advanced placement or both at most colleges and universities. The amount of credit received varies from college to college and depends on the AP score and the subject. Whatever is granted by the college means time saved and financial savings for each credit earned while in high school. It is possible for a student to earn enough college credit by passing multiple AP exams to enter college as a sophomore. Students are strongly encouraged to take the AP exam.

The college credit that is awarded is specific to each institute of higher education and detailed information for how the UW-System awards AP credit may be found at this link (https://uwhelp.wisconsin.edu/prep-for-college/credits/testing-ap-ib/).

For private colleges/universities in Wisconsin as well as out of state schools, it is best to research the individual schools as the credits granted are specific to each respective college/university.

AP Exams

AP exams are given once a year, during the first two full weeks of May. The CollegeBoard publishes the exam schedule at the start of every school year; sets the exam days and times so every student takes the same exam at the same time regardless of their testing location. **The AP exam schedule is not determined by the high school and cannot be modified.**

Fees and Additional Resources

Students are encouraged to register to take the AP exam for the course(s) they are enrolled in. There is a fee for each exam ordered; if you have questions about the fees, please see the AP Exam Fees webpage or contact the AP Coordinator. Students are also encouraged to purchase supplemental books and course materials for their respective AP courses, just as they would for any college-level course.

AP Exam Scores

The AP exam scoring scale is as follows:

5 – Extremely well qualified*
4 – Well qualified*
3 – Qualified*
2 – Possibly qualified*
1 – No recommendation**

*Qualified to receive college credit or advanced placement
*No recommendation to receive college credit or advanced placement

Students will be able to access their AP exam score(s) electronically, on their College Board account, beginning in July.

AP courses offered at Stoughton High School

Department	Course(s) offered
Language Arts	AP Literature & Composition AP Language & Composition
Mathematics	AP Precalculus AP Statistics AP Calculus AB AP Calculus BC
Music	AP Music Theory
Social Studies	AP Psychology AP U.S. History AP World History AP U.S. Government & Politics
Science	AP Biology AP Chemistry
World Language	AP Spanish Language & Culture AP German Language & Culture

To discuss questions or concerns contact any of the teachers whose courses are listed above, a high school counselor, or the AP Coordinator.

Programs for Unique Learners

Community Based Instruction (CBI)

CBI is a program that provides transition services to students who have an Individualized Education Plan (IEP). Services include training in daily living, recreation/leisure, social and vocational skills. Supported work experiences are available to students who need significant assistance in obtaining and maintaining employment. Students must be 18-21 years old or have permission from Special ed Program Coordinator to participate in this program.

To discuss questions or concerns, contact Megan Blankenheim-Villarreal at (608) 877-5676 or Megan.Blankenheim-Villarreal@stoughton.k12.wi.us.

GEDO 2

Stoughton High School offers an alternative program that awards successful candidates a regular Stoughton High School Diploma. This program, GEDO 2, is a rigorous course of study that prepares students with a solid academic foundation, the possibility for post-secondary options, and a variety of skills for real life.

The successful GEDO 2 candidate will achieve passing cumulative scores on the GED test battery in language arts, math, science, and social studies. They will complete courses in civics and citizenship, personal finance, health, and career awareness and employability skills. It is suggested that GEDO 2 students contribute either a minimum of 40 hours of service learning to the community or be employed at a paying job during the school year.

If you ask the students in the GEDO 2 program what they have learned and how this opportunity has impacted them, they will tell you how this individualized program has made a difference in their lives and has given them a solid direction for their future. Please contact your child's school counselor for more information.

Advanced Learning (Talented and Gifted)

Programming for advanced learners has its foundations within courses and classrooms. The basis of effective education in Stoughton schools is rigorous classroom instruction, a positive learning environment, and school-wide support. All students are expected to receive instruction that meets state standards and district benchmarks/goals.

Advanced Learner services are aligned to Wisconsin's continuum of services model. A multi-level system of instructional supports is provided for students who demonstrate the need for additional challenge, including advanced course selection, independent study, and curricular challenge options. Opportunities exist for enrichment and collaboration with like-minded peers through challenge activities and academic competitions.

To discuss questions or concerns, please contact Chris Wiemer, High School Advanced Learning Coordinator at (608) 877-5657 or chris.wiemer@stoughton.k12.wi.us

Work Based Learning Programs

Youth Apprenticeship Programs
Do you learn by doing? Are you interested in working in your chosen career field while still in high school? Do you want to earn high school credits and a paycheck at the same time? **If you answered YES to these questions, Youth Apprenticeship may be perfect for you!**

Program Specifics:

- Open to Juniors and Seniors
- One or two year programs available
- Student must work 450 hours (1 year program) or 900 hours (2-year program)
- Student must take 2 semesters of coursework related to area of apprenticeship
- School day may be modified - late start or early release
- Certificate of Mastery is awarded by the WI Department of Workforce Development and recognized state-wide

Youth Apprenticeship Program Areas

Agriculture – Animals
Basic Animal Care
Veterinary Tech Assistant

Arts, A/V Technology & Communication
Printing/Post-Press Machinery
Graphic Design/Pre-Press Files

Hospitality & Tourism
Restaurant Food & Beverage
Lodging
Reservation & Tour/Activity
Maintenance & Grounds

Manufacturing
Assembly & Packaging
Manufacturing Processes
Machining
Welding
Product Operations Management
Maintenance, Installation & Repair/Industrial Equipment

Agriculture – Plants
Basic Plant Care
Greenhouse/Floral
Landscaping

Finance
Business Financial Management-Accounting
Banking
Insurance

Information Technology
General IT/IT Essentials
Network Systems – Hardware
Programming – Software

STEM
Biotechnology
Engineering – Drafting, Mechanical & Civil

Architecture & Construction
Carpentry
Electrical
Masonry/Concrete
Mechanical/HVAC
Plumbing/Sprinkler Fitting

Health Science
Dietary Aide
Nursing Assistant
Pharmacy Technician Assistant

Marketing
Professional Sales
Merchandising
Communications
Research
Management

Transportation, Distribution & Logistics
Logistics
Auto Collision
Auto Technician
Diesel Technician

Work Experience I or II

- Provides opportunity to gain employability skills and exposure to work environment
- One semester (18 weeks) in length
- Participants must submit proof of hours
- Must be employed at time of enrollment
- Employment not necessarily related to career interest or goal
- Minimum of 90 hours work/semester is required
- Modified school day is possible (early release)

To discuss questions or concerns, please contact Liz Hrodey, at (608) 877-5605 or Liz.Hrodey@stoughton.k12.wi.us

Teacher Assistant (Open to seniors, one semester only)

Are you a senior and interested in becoming a teacher, or working in the field of education? Did you do really well in a particular class or especially like a curricular area, such as Social Studies, Art or Technology Education? If so, consider being a Teacher Assistant. In this one semester, non-paid experience, you will develop leadership skills, gain understanding of what it means to teach, and deepen your own knowledge base while helping others learn. Teacher Assistant responsibilities may include:

- Facilitate small group instruction
- Provide feedback on formative assessments
- Tutor struggling students
- Teach a particular unit or part of a unit with support & guidance from the HS instructor.

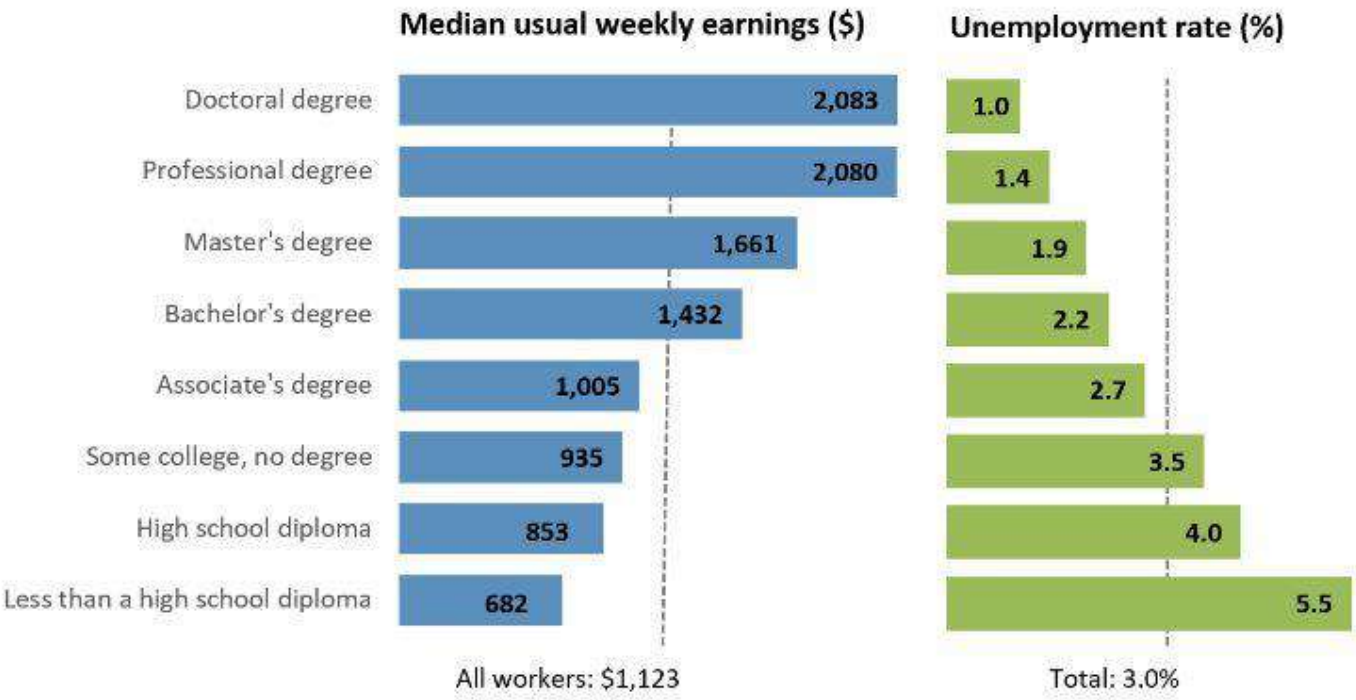
To be accepted as a Teacher Assistant, the student must:

- Complete & submit application form (Incomplete applications will not be considered)
- Have 90% or better attendance record, includes both absences & tardies
- Have a GPA of 2.0 or higher
- Have taken 2 courses related to the TA position and earned a passing grade
- Career goal must relate to Teacher Assistant placement (i.e., Science, Art, PE/Health, Health Science)
- Grade is Pass/Fail and determined by ability to meet learning targets, complete and submit homework thoroughly and on time.

To discuss questions or concerns, contact your student's counselor.

Planning Your Future

Consider This - Education pays in higher earnings and lower unemployment rates



Note: Data are for persons age 25 and over. Earnings are for full-time wage and salary workers.
Source: U.S. Bureau of Labor Statistics, Current Population Survey.

What Careers Interest You?

The average college graduate changes majors three times before graduating. Research shows that informed and thought-out career choices result in higher levels of income, greater job satisfaction, and shorter periods of unemployment.

- If you aren't sure what career you want to pursue, or want to explore more possibilities, consider taking a career interest inventory to match your skills, interests, and abilities to careers. There are many inventories to choose from, including those found in **Xello**. Ask your counselor or the School to Career Coordinator for more information.

After you've decided what careers interest you, find out everything you can about them. Consider things such as the amount of education needed, the responsibilities of the job, the personal qualities and skills needed for these careers, if the career is available in the geographic area you want to live, and, of course, find out about earning potential. Investigate which post-secondary schools (2 and 4-year schools) offer degrees or training programs that meet your goals and financial needs. Interview people currently doing the job you want and job shadow to learn more about the career and the work environment.

Career Clusters

Career Clusters are groups of similar occupations and industries. Each cluster includes many more careers and career opportunities than are listed here. Talk with your counselor, parents, the school to career coordinator to learn more!

Career Clusters are a tool for students to use to:

- Realize the many career possibilities available to consider
- More clearly identify career interests and goals
- Plan high school studies that are in-line with career goals
- Identify the post-secondary route needed to reach a career goal (e.g., 2 or 4-year college or university).

	Jobs in this cluster are all about agricultural commodities and services and include horticulture & plant science, animals & animal science, the environment and natural resources. Careers include *food scientist, biotechnologist, greenhouse manager, livestock buyer, geospatial technician, wildlife manager, park ranger, water quality manager, environmental technician, farm manager, USDA Inspector, logger, ecologist, fishery technician, agricultural economist.*
	This area encompasses all the jobs that are involved in the building, maintenance, and operation of businesses and residential properties. Occupations in this cluster include *architect, civil engineer, drafter, electrician, plumber, painter, landscape designer, general contractor, cost estimator, carpenter, explosives worker, roofer, & construction manager.*
	Creative people who love using their talents to entertain and inform others are drawn to jobs in this career cluster. Occupations in this cluster include *journalist, commercial artist, printmaker, photographer, fashion designer, make-up artists, composer/conductor, station manager, radio & TV announcer, telecommunications technician.*
	Entrepreneurial people who are highly organized and enjoy working with others often find business to be a suitable career area. Careers in this cluster include *accountant, administrative assistant, human resources manager, budget analyst, meeting or event planner/coordinator, & job analyst*.
	If you're patient and enjoy helping others, working in the education field can be a rewarding experience. Careers in this cluster include *teacher, principal, superintendent, parent educator, college professor, corporate trainer, teacher aid, special education teacher or aid, & coach*.
	As you might expect, being successful in finance related careers requires strong mathematical ability and a solid attention to detail. Examples of careers in this cluster include *loan officer, stockbroker, credit analyst, accountant, financial advisor, insurance adjustor, bank teller, & debt counselor.*
	Careers in government and public administration are varied, but all offer the satisfaction of knowing you're making a contribution to your community. Jobs include *solider, legislator, ambassador, economic development coordinator, tax attorney, assessor, city manager, lobbyist, & military intelligence specialist*.
	Health science careers encompass all aspects of the medical field. Career opportunities in this area include *pharmacist, paramedic, physical therapist, dietician, veterinarian, lab technician, doctor, athletic trainer, & dentist*.
	Hospitality and tourism is a rapidly growing industry with a great deal of room for advancement. Careers in this cluster include *chef, lodging manager, travel agent, gaming & casino manager, cruise ship/resort manager*.+
	The human services career cluster refers to jobs with the primary purpose of helping families meet basic human needs. Jobs in this cluster include *social worker, psychologist, substance abuse specialist, childcare worker, religious leader, funeral director, cosmetologist, marriage counselor, customer service representative, & consumer advocate*.

	Jobs in information technology deal with computer hardware, software, and systems integration services Career opportunities include *web designer, network administrator, programmer, technical support specialist, software designer, data administrator, systems analyst, technical support specialist, webmaster, & digital media animator*.
	Protecting the well-being of the public at large is the goal of occupations in this area. Jobs in this cluster include *attorney, firefighter, police officer, transportation security officer, judge, court reporter, transportation security officer, rescue worker, case manager, forensic specialist, federal marshal, & paralegal*.
	People who work in manufacturing jobs use their strong mechanical abilities to create many different kinds of products. Careers include *sheet metal worker, millwright, and quality control technician, manufacturing engineer, quality control technician, safety engineer, machine operator, tool & die maker, material mover, & industrial engineer*.
	These careers allow people to use their creativity and communications skills to meet a variety of business objectives. Careers in this field include *marketing director, customer service representative, sales associate, entrepreneur, sales manager, account executive, on-line market researcher, & product planner*.
	Careers in this area often involve cutting edge research into new technological developments. Careers include *chemical engineer, oceanographer, biotechnologist, meteorologist, chemist, aerospace engineer, environmental engineer, technical writer, electrical engineer, statistician, cartographer, astronomer, archeologist, marine scientist, nuclear chemist, mathematician, physicist, biologist, & biomedical engineer*.
	Jobs in this cluster involve moving people, materials, and products by road, air, rail, and water. Career opportunities include *truck driver, pilot, flight attendant, air traffic controller, mechanic, & dispatcher, urban planner, civil engineer, traffic technician, motor vehicle inspector, power plant mechanic, & industrial equipment technician*.

To learn more about each Career Cluster, visit this website

http://www.glencoe.com/sec/careers/cclusters/student/introclusters.shtml

AGRICULTURE, FOOD & NATURAL RESOURCES

Why take Agriculture, Food & Natural Resources?

Agriculture isn't just farming! The industry employs more than 23 million people in the United States and accounts for almost 20% of the nation's work force. Because agriculture encompasses so many aspects of our world, including the study of animal, plant, and environmental systems, students interested in the broad field of agriculture can enter a variety of careers in business, government and, they can work for themselves.

- Students more interested in animals might choose to go into wildlife management, dairy farming, fish farming, or continue their education and become veterinarians or researchers in animal medicine.
- Students who focus their learning on plants might become horticulturalists, landscape architects, or take up traditional or organic farming.
- Those who have a head for business might pursue careers in real estate, economics, farm equipment sales or marketing, or statistics.
- The field of agriculture includes career opportunities for students interested in ecology and environmental conservation.

Agriculture is a $60 billion industry in Wisconsin!

Students with a strong interest in Agriculture, Food & Natural Resources should consider careers in these Clusters:

- Agriculture, Food & Natural Resources
- Business, Management & Administration
- Science, Technology, Engineering & Math
- Health Science

Intro to Agriculture

#8200 Grades: 9-12 0.5 Credit

Course Description: Interested in an agriculture class but not sure where to begin? This class is much more than just cows and corn! This class covers a wide variety of topics in the agriculture industry and will introduce you to animal science, plant science, wildlife, agribusinesses and more. Students will enjoy the hands-on experiences, guest speakers and field trips this course has to offer. You will also learn about leadership through the National FFA Organization. Agriculture is for everyone, it's the most important industry we have!

Natural Resources & Wildlife Management

#8202 Grades: 9-12 0.5 Credit

Course Description: Do you love the outdoors? Do you enjoy hunting, fishing, hiking, or just hanging out around nature? If so, this class is for you! In this class you will learn about habitats, forestry, fisheries, deer management, hunting ethics, and more! The SHS Agriculture Department raises game fish in our aquaponics system. Students in the class will also benefit from other hands-on experiences, guest speakers, and field trips. This class is a fun, interactive way to learn about Wisconsin's great natural resources history.

Large Animal Management

#8206 Grades: 9-12 0.5 Credit

Course Description: From cows to sows and everything in between, this course covers topics related to the care and management of dairy cattle, beef cattle, sheep, goats, swine, and horses! This hands-on class includes lots of labs, field trips and

guest speakers. You will learn about animal nutrition, reproduction, animal health and more! Gain first-hand experience working with livestock in the SHS Animal Lab. If you love animals, this class is for you?

Small Animal Care (Previously Small Animal & Veterinary Science)

#8211 Grades: 9-12 0.5 Credit

Course Description: Calling all pet owners! This class covers a wide variety of topics relating to companion animals like dogs, cats, rabbits, guinea pigs, and more. In this class, you will learn about the daily care and management of companion animals. Topics covered include pet selection, nutrition, safety, grooming, and more. You will gain a hands-on experience working with the animals in the SHS Animal Lab. This class includes labs, field trips, and guest speakers.

Veterinary Science

#8213 Grades: 10-12 0.5 Credit Recommended classes: Small Animal Care or Large Animal Management (Not required)

Course Description: Do you dream of a future career working with animals or in health science? This course covers topics you need to know to be successful in the veterinary field! Students will learn about the body systems of animals and how they work. Hands-on clinical skills will be a large part of the class. Students will learn basic veterinary skills like suturing, giving injections, bandaging, restraint, and more! You will gain firsthand experience working with the animals in the SHS Animal Lab. This class includes labs, field trips, and guest speakers.

Agriculture Business Management

#8215 Grades: 10-12 0.5 Credit

Course Description: If you want to know what it takes to start a business, or operate a working farm, then this course is for you! This course introduces basic farm business management concepts. Students will study the farm management planning cycle and develop an understanding of its relationship to family and farm business goal setting, cash and enterprise accounting principles, and tax planning. Classwork will focus on crop and animal markets, Chicago Board of Trade, stock futures, the Wisconsin Cooperative System, & introductory entrepreneurship concepts and planning. Coursework will be supplemented with various guest speakers and field trips to local cooperatives.

Horticulture & Landscapes

#8224 Grades: 9-12 0.5 Credit

Course Description: Green thumbs wanted! If you like plants, this class is for you. Horticulture is an exciting sector of the agriculture industry with many future career opportunities. Many days in this class will be spent in the SHS Greenhouse growing plants for the annual plant sale in May. We will also spend time outside maintaining flower beds around the school. You will learn about all aspects of flower and plant production, vegetable production, floral design, basic agronomy concepts, and more. In addition to using the Greenhouse, you will also gain hands on experience working with the aquaponics system.

As a student enrolled in an agriculture class, you have the opportunity to become a member of the National FFA Organization at no cost to you. FFA is the largest student organization in the United States and focuses on premier leadership, personal growth and career success. Stoughton FFA has a very active chapter and participates in many events throughout the state each year. Meetings are held monthly at SHS. There is truly something for everyone in FFA!

ART

Why take Art?

The art experience does more than sweeten an individual's life – students connect more deeply to the world; it opens students to new ways of seeing and problem solving through creative expression- thinking "outside the box". "Arts education *strengthens* student problem-solving and critical-thinking skills, adding to overall academic achievement and school success" (*Dr. Shirley Brice, Stanford University, for the Carnegie Foundation for the Advancement of Teaching*). According to ecs.org, arts education is important in workforce preparation-"fostering teamwork, perseverance, and promoting success across all student groups." The major aim of arts education is to promote the student's ability to develop his or her mind through the experience that the creation or perception of expressive form makes possible.

It is imperative for students who are interested in pursuing a fine arts career such as commercial artist or graphic designer to have a deep understanding of the elements and principles of art and design, the foundation of our art program. Having a solid art background is an important asset for many other careers in architecture, fashion design, interior design, plastic surgery, publication design, industrial design, hardware and software development, web page design, game art design, marketing, sales, information technology, and many more.

Students with a strong interest in Art should consider careers in these Clusters:

- Architecture and Construction
- Art, A/V Technology, and Communication
- Information Technology
- Marketing
- Education and Training
- Health Sciences

2D Art I

#7400 Grades: 9-12 0.5 Credit

Course Description: This is a two-dimensional (or flat surface) design course. It is organized to help students develop a fundamental knowledge of drawing skills and 2-D design concepts. Topics covered include drawing and painting techniques, perspective, still life composition, figure drawing, color theory, pen and ink, watercolor techniques, etc.

Basic Art 3D

#7402 Grades: 9-12 0.5 Credit Cost: Fee charged for materials used

Course Description: This is a three-dimensional design class. It is organized to help students develop fundamental knowledge of the properties of the three-dimensional object. Skills will be developed in carving, sculpting, and designing forms in a variety of media including paper, color, clay, wire, plaster, and mixed media.

Printmaking & Design

#7406 Grades: 10-12 0.5 Credit

Course Description: In this course, students will understand the significance of printmaking as an art form. Students learn history of printmaking and artists who develop these processes in our world and community. Students learn terms and techniques of the printmaking process. Students create their own prints using the following techniques: lino, wood block, embossing, collagraph, monoprint, dry point etching (Intaglio), serigraph (screen printing) and lithograph. Fab Lab technology will be incorporated in this course.

Ceramics

#7414 Grades: 10-12 0.5 Credit Prerequisite: 7402 Basic Art 3-D Cost: Fee charged for materials used
Course Description: This intermediate class will cover methods of hand-built clay, throwing clay on the wheel and glazing. Sculpture concepts include- in the round, scale, function, and sculptural vessels.

Digital Photography

#7428 Grades: 10-12 0.5 Credit Cost: $10 Lab Fee
Course Description: Students will learn the creative and commercial techniques and applications of digital photography. Photography is an important creative art field with commercial opportunities for photographers in sports, food, fashion, product and event photography. Students will understand how to operate a digital camera and use Adobe Photoshop for creative design.

2D Art II

#7430 Grades: 10-12 0.5 Credit Prerequisite: 7400 Basic 2D/2D Art 1, 7404 Painting & Drawing or 7430 Advanced Art. Students must have earned a grade of B or higher in prerequisite classes. Cost: $10 fee charged for materials.
Course Description: First time students will experience an intermediate level studio class focusing on drawing and painting techniques. Media for class will include graphite, pastels, oil paint sticks, acrylic, mixed media and more. Students will learn historical art styles, techniques, and concepts and apply them in their own original work.

Students that have completed Painting & Drawing or have taken Advanced Art will choose an area of concentration in painting, drawing or printmaking. An in-depth study of these areas will be pursued, and students will work individually or in small groups specific to their chosen area of interest. Portfolio development is explored if a student is pursuing an art degree. This class may be taken more than once.

Advanced Ceramics

#7434/7436 Grades: 10-12 0.5 Credit Prerequisite: 7402 Basic Art 3-D and 7414 Ceramics & Sculpture. Student must have earned grade of B or better Cost: Fee charged for materials used
Course Description: Students will choose an area of concentration in Ceramics and Sculpture. An in-depth study of these areas will be pursued, and students will work individually and in small groups on assignments specific to their chosen interest area. *This course may be taken for credit more than once. Students who take Advanced Ceramics for the second, third or more semesters will be required to submit a proposal for independent study and meet with the instructor for approval prior to enrolling.*

BUSINESS & INFORMATION TECHNOLOGY

Why take Business & Information Technology?

Prepare yourself for the jobs of today and tomorrow! Business and Information Technology classes teach students real world skills that can be applied in all areas of life and all types of careers. Students learn about everything from fixing their computer to designing a webpage to dealing with financial matters to starting a business.

Business is the number one declared major of college freshmen and accounts for 39% of all US jobs. Plans for pursuing a degree in business should include classes in Accounting, Marketing, and Personal Finance to better prepare students for higher learning. Accounting is usually listed in the top four careers that are needed now and in the future. Jobs in the area of technology continue to grow at a rapid rate. Classes that focus on preparing you for a career in IT would include the MS Office class.

All courses in BIT provide valuable skills and experiences to move you towards whatever career you choose. BIT: Here's the Money!

Students with a strong interest in Business & Information Technology should consider careers in these Clusters:

- Business, Management and Administration
- Finance
- Government and Public Administration
- Information Technology
- Marketing, Sales and Service

Principles of Business

#8402 Grades: 9-12 0.5 Credit

Course Description: This course is designed to help students explore various business concepts and understand the role business plays in our economy. Units covered include what businesses do, how they function, producing goods and services, international business, consumer decision making, professionalism, and more. This course is helpful for students to understand the procedures/policies of all businesses, so they are better prepared to enter the workforce or continue their career path in the business field. This course provides basic business knowledge for any student that will work in our global economy. Class content includes many hands-on projects as well as speakers from area businesses.

Principles of Marketing

#8404 Grades: 9-12 0.5 Credit

Course Description: We will learn about the art of marketing. We will evaluate and practice the marketing research process, evaluate, and create new social media marketing strategies for big name companies and learn the ins and outs of an effective marketing plan. Other topics covered will include the marketing mix, marketing ethics, consumer behavior, market segmentation, and how to succeed with competitors. Marketing is important to understand, regardless of your career area of interest, because it truly impacts everything we see, hear, and do on a daily basis. Students will expand their self-awareness, communication skills, human relations, and leadership skills. Students will also learn skills to market themselves, such as professionalism tactics, resumes, and job interviewing that will serve them well in their future careers. Students are encouraged to be actively involved in DECA, an association of marketing students.

Principles of Accounting

#8408 Grades: 10-12 0.5 Credit

Course Description: Principles of Accounting is a course that teaches basic accounting principles and procedures. Students learn how to set up and maintain an accounting system for a service business and a merchandising business. An emphasis in the course is placed on learning how to use various types of journals, ledgers, worksheets, and financial statements. In addition, payroll systems, checking accounts, sales tax, bad debts, depreciation, notes and interest, and accrual accounting are presented. Accounting is a must for students planning a career in the field of business or marketing occupations.

Advanced Accounting

#8410 Grades: 11-12 0.5 Credit Prerequisite: 8408 Principles of Accounting

Course Description: Second year accounting serves three groups: those who plan to continue the study of accounting, those who expect to enter other business careers, and students who anticipate entering other professions and need accounting to measure their financial progress in professional practice. Topics of study include accounting for: payroll, partnerships, corporations, cost accounting, financial reports, ratio analysis, and comparative reports.

Personal Finance

#8412 Grades: 10-12 0.5 Credit

Course Description: The modern economy is a jungle—get the financial skills to survive it. Using a variety of activities and media, students will explore the following topics: budgets, proper management of checking accounts in the electronic age, taxes, establishing and maintaining personal lines of credit including loans and credit cards, insurance options and investments for both short and long-term horizons. Students will also explore career options and learn about employee benefits and compensation as it will relate to their future financial planning. This course is a must for those students interested in securing a solid financial foundation.

Business Law

#8416 Grades: 10-12 0.5 Credit

Course Description: Students enrolling in Business Law will develop an understanding of their legal rights and responsibilities as future consumers, citizens, and workers. Through a variety of projects, activities and guest speakers, students will gain an understanding of the American legal system by exploring topics ranging from: courts and court procedures; criminal justice; tort law theory; oral and written contracts; sales contracts and warranties; consumer protection and family law. Legal terminology is emphasized. Students with a variety of career and academic interests will benefit from this informative and practical course. Business Law is highly recommended for students interested in pursuing careers in business, criminal justice, or administrative careers such as court reporting and legal secretary.

Sports & Entertainment Marketing

#8418 Grades: 10-12 0.5 Credit Prerequisite: 8402 Prin. Business or 8404 Prin. Marketing or 8408 Prin. Accounting

Course Description: In this semester course, students learn about the fascinating areas of marketing as they relate to the sports and entertainment industries. Students explore the content areas of event planning, sponsorships, publicity, endorsements, branding/licensing, recreation marketing, and other entertainment industry-specific content. Through possible guest speakers, field trips, and projects, students will have the opportunity to use their business knowledge and apply it to the world in which they live.

FAMILY & CONSUMER SCIENCE

Why take Family & Consumer Science?

Empower yourself to gain knowledge and skills necessary for life…and helpful when trying to land a job! It's not just about eating in class!

Family and Consumer Science (FCS) classes offer a range of opportunities for students to explore career paths in fields with the highest demand for employees. If you are interested in employment in the food service industry, dietetics, nutrition, food science, journalism, photography, or business, Culinary Arts classes are for you.

Students with a strong interest in FCS & Health Science Occupations should consider careers in these clusters:

- Agriculture, Food, and Natural Resources
- Education and Training
- Health Science
- Hospitality and Tourism
- Human Services

Culinary Arts 1

#8102 Grades: 9-12 0.5 Credit Cost: $10 fee to cover food costs & supplies

Course Description: Culinary Arts is a program designed for students who are interested in an education in the Culinary or who are interested in taking their kitchen game to the next level! Safety and sanitation are emphasized as we explore safe food handling practices, introductory food preparation, kitchen basics, along with connections with community and culture in the hospitality industry. During this course we will be weaving through careers in the hospitality and tourism industry, human services and education and training career pathways.

Culinary Arts 2

#8103 Grades: 10-12 Prerequisite: 8102 Culinary Arts 1 Cost: $10 fee to cover food costs & supplies

Course Description: This course is a continuation of Culinary Arts I, where students will continue building a broad-based, well-rounded knowledge of the hospitality, education and training, and human services career pathways. With a continued emphasis on safety and sanitation, we explore intermediate-level cooking methods and techniques, how to run an efficient household and manage a healthy work/life balance.

World Cuisine

#8100 Grades: 9-12 0.5 Credit Prerequisite: 8102 Culinary 1 Cost: $10 fee to cover food costs & supplies

Course Description: Explore the culture, foods and flavors of regions and countries around the world, including Europe, the Mediterranean, Asia, the Middle East, Central/South America, Africa and more. In this introductory course, safety and sanitation are emphasized as we cook our way around the world.

Baking & Pastry Arts

#8104 Grades: 9-12 0.5 Credit Recommended: Culinary Arts I

Course Description: Baking & Pastry Arts is a class for those that love baking or may be interested in a career in the field. While working with a variety of ingredients and techniques, students will develop their pastry chef skills to produce an assortment of cookies, quick breads, pies, pastries, yeast breads, decorated cakes, and specialty desserts. This hands-on lab-oriented class will focus on safe food handling and sanitation, intermediate kitchen techniques and employability skills.

GENERAL ELECTIVES

General Electives

Academic Study

#9801/9901 Grades: 9-12 0.5 Credit

Course Description: Academic Study is a course that is designed to give students individualized supplementary help with their academic subjects. Emphasis is placed on more effective development of study habits and skills. Academic Study is a Pass/Fail course and is worth 0.50 credits each semester. Students must earn 70% of the total points to earn a passing grade.

Study Hall

#9850/9950 Grades: 9-12 0 Credit

Course Description: Study Hall is a non-credit class for students. Students will be expected to come to class everyday with all the necessary materials needed to complete homework, projects and/or reading assignments. Students will be expected to independently work productively for the entire class period.

Yearbook Design

#1128/1129 Grades: 10-12 1.0 Credit Recommended: 1120 Investigative & Communications Writing (Completed or currently enrolled in)

Course Description: Yearbook Design is a two-semester elective course in which students put together the Stoughton High School yearbook, *Yahara.* Students will need to go through an application process. Yearbook *staff* members will use a variety of skills such as interviewing, page layout, photography, advertising sales and design, and various types of journalistic writing. Excellent time management and writing skills are a must for this class. The course may be taken two years consecutively, but additional expectations and a strong degree of leadership is required for students in their second year.

What is a Fab Lab?

A Fab Lab (fabrication laboratory) is a small-scale workshop offering personal digital fabrication allowing you to make "almost anything". They began as an outreach project from MIT's Center for Bits and Atoms (CBA) and became a collaborative and global network. Fab labs have spread from inner-city Boston to rural India, from South Africa to the North of Norway. Fab Lab Stoughton is one of only a handful of labs in the Midwest, providing users the ability to make their ideas become reality. **Unleash your creativity in the Fab Lab!**

Students with a strong interest in Fab Lab should consider careers in these clusters:

- Architecture and Construction
- Arts, A/V Technology, and Communications
- Manufacturing
- Science, Technology, Engineering, and Mathematics

Fab Lab: Introduction

#8700 Grades: 9-12 Credit: 0.5

Course Description: Do you like art, design, electronics, building or wonder how everyday things are made? Do you have an idea that solves a want or a need? Would you like to improve a product or build something of your own that is fun and functional? Let us help you learn how to make just about anything. In the Fab Lab you will use state-of-the-art equipment to turn an idea into a design that you will build and test. This course develops skills used in many interrelated career fields, including engineering, science, mathematics, art, graphic design, computer aided design (CAD), electronics, and entrepreneurship.

Fab Lab: Make Something Big

#8702 Grades: 9-12 Credit: 0.5 Prerequisite: 8700 Fab Lab: Introduction

Course Description: Can you make the perfect rocking chair? Will you design the ultimate treehouse? In this course you are not limited by size as you will learn how to use large format machining to create large scale projects. To do this, you will apply the principles of art, design, and engineering to create large objects of interest to you.

Fab Lab: Community Projects

#8704 Grades: 9-12 Credit: 0.5 Prerequisite: 8700 Fab Lab: Introduction

Course Description: It is time for you to move beyond making objects for yourself and to begin to make objects for others. You will create innovative products to solve a problem facing the school or community. You will form a design team to analyze the issues facing stakeholders and design and build a solution using the principles of art, design, and engineering with fab lab software and equipment. Emphasis is placed on working collaboratively with others on a design team, and mastering software and equipment.

Fab Lab: Individual Projects

#8705 Grades: 10-12 Credit: 0.5 Prerequisite: 8700 Fab Lab: Introduction and one additional Fab Lab course

Course Description: This course is designed for students who have completed multiple Fab Lab courses and wish to learn more about digital design and fabrication. Participants will develop a plan of study for the semester, possess good independent work habits and a thorough knowledge of the lab equipment and processes. Students will work on one or more advanced independent learning projects to increase their skills and knowledge of the techniques and processes explored in previous Fab Lab courses. This course may be taken for credit more than once with instructor consent before enrolling.

Fab Lab: Printmaking & Design

#7406 Grades: 10-12 0.5 Credit

Course Description: In this course, students will understand the significance of printmaking as an art form. Students learn history of printmaking and artists who develop these processes in our world and community. Students learn terms and techniques of the printmaking process. Students create their own prints using the following techniques: lino, wood block, embossing, collagraph, monoprint, dry point etching (Intaglio), serigraph (screen printing) and lithograph. Fab Lab technology will be incorporated in this course.

HEALTH SCIENCE

Why take Health Science?

We work hard; we play hard. We sit at computers for hours. We run marathons. We eat too much. Americans are living longer, but we need help caring for ourselves when age, disease, or injury catches up with us.

Health care is one of the largest and fastest-growing industries in the U.S. and offers many and varied career opportunities. Some careers involve working directly with people, some involve working in a lab and doing research; and still others focus on collecting and formatting data and information. The work environments are as varied as the careers and may be in a hospital, a medical or dental office, at a community organization, or an athletic facility. You owe it to yourself to explore health science!

Students with a strong interest in Health Science should consider careers in these clusters:

- Education and Training
- Health Science
- Hospitality and Tourism
- Human Services

Human Development

#8112 Grades: 9-12 Credit: 0.5

Course Description: Although all people are not exactly alike, all go through similar stages of development. Throughout the life span, we grow and change physically, socially, and emotionally, and in our ability to think. This process of growth and change is called human development. It is influenced by many things, and most importantly by culture. In this course, we explore this amazing and gradual process that begins at birth and continues throughout the lifespan. An understanding of human development is a must for students interested in a career in health care, human services, education, and even marketing and sales (encouraged in grades 9-10 if planning to take other health science classes).

Introduction to Health Careers

#8113 Grades: 9-12 Credit: 0.5

Course Description: Get a jump-start on a career in the rapidly growing health care industry. Students will have the opportunity to explore careers in a wide range of areas such as: diagnostic services, therapeutic services, health information, and support services. Whether you are someone looking for direct patient care, working in a lab, or with information technology, look and see the connections between entry-level positions and advanced degree positions. Assess personal interest and abilities to find a good fit and start developing a plan for next steps. Students will learn from professionals working in various healthcare careers. Students will create a resume and do career research (encouraged in grades 9-10 if planning to take other health science classes).

Sports Medicine

#8114 Grades: 10-12 Credit: 0.5

Course Description: Designed to introduce students to the broad field of sports medicine, this course is for students interested in athletic training, physical therapy, medicine, fitness, physiology of exercise, kinesiology, nutrition, and other careers related to sports medicine. Topics such as emergency care and evaluation of athletic injuries, as well as prevention, rehabilitation, diet and nutrition and conditioning will be covered in this one-semester class.

Youth Options (YO)-Nursing Assistant

#8115 Grades: 11-12 Credit: 0.75 Prerequisite: 8113 Intro to Health Careers or Instructor Consent

Course Description: The Nursing Assistant class is a great jump start to a career in health sciences and is a prerequisite for acceptance into most college-level health science programs. This hybrid course is taught by Madison Area Technical College staff and combines on-line instruction, on-site lab instruction, and community-based clinical experience. Students who complete the course successfully earn 3 college credits from Madison Area Technical College and are eligible to take the state certification exam (written & skill) and be listed on the Wisconsin Nurse Aide Registry. The test fee of $115.00 is the responsibility of the student. Certification is required for employment in nursing homes, hospitals, home health agencies, hospices, and homes for the developmentally disabled. ***Students with evening commitments such as sports may not be eligible to take this course. Students taking this course must complete a Youth Options application; application deadline is March 1 for fall semester enrollment & October 1 for spring semester enrollment. An Accuplacer Reading test score of 60 or better or an ACT Reading score of 13 is required. Students must attend all lab and clinical classes, these last beyond the school day.***

Medical Terminology

#8120 Grades: 10-12 Credit: 0.5 Recommended: Any Health Science course or Human Anatomy

Course Description: Are you considering a career in medicine? Being able to use and understand medical terminology is critical for any career in health sciences. The focus of this course is to communicate effectively using the language of medicine. Students will learn the meanings of roots, prefixes, and suffixes to become fluent in medical language. Word construction, definition, spelling and pronunciation will be emphasized and practiced.

LANGUAGE ARTS

Why take Language Arts?

The study of English/Language Arts is the foundation to all learning. As we become avid readers, our thinking realizes all that the world possesses. Through thought, we can then transfer our ideas to the written expression. The English/Language Arts department is committed to engaging students to fulfill their potential in the reading of literature, speaking, and the written word for their future endeavors. The offered courses provide a wide variety of selections to fully explore all avenues of English/Language Arts, be` it through literature analysis, speaking, creative writing, journalistic writing, technical writing, and research. The door to knowledge is held wide open through English/Language Arts!

Students with a strong interest in Language Arts should consider careers in these Clusters:

- Arts, A/V Technology, and Communications
- Business, Management, and Administration
- Education and Training
- Government and Public Administration
- Health Science
- Hospitality and Tourism
- Human Services
- Information Technology
- Law, Public Safety, Corrections, and Security
- Marketing, Sales, and Service
- Transportation Distribution Logistics

Language Arts 9

#1100/1101 Grades: 9 Credit: 1.0

Course Description: The curriculum is in accordance with the Common Core State Standards, and the Wisconsin Model of Academic Standards. These skills are approached through units in drama, poetry, the novel, short stories, and reading strategies. Assignments include quizzes, tests, writing responses, essays, projects, and presentations.

Language Arts 10

#1132/1133 Grades: 10 Credit: 1.0

Course Description: This curriculum is in accordance with the Common Core State Standards, and the Wisconsin Model of Academic Standards, and it takes students chronologically through American literature. These skills are approached through Reading, Writing, Speaking, Listening and Language tasks.

Language Arts 11

#1150 Grades: 11 Required Semester Credit: 0.5

Course Description: This is a one semester required course which will be taken during a student's junior year. Language Arts 11 attempts to provide students with a progression of Language Arts skills that include but are not limited to: Literature Comprehension, Composition and Public Speaking. This class will provide the rigor that is appropriate for students in the 11th grade. The rigor of the class will also prepare these students for ACT testing as well as their future academic careers in college. The Language Arts 11 curriculum modules continue to develop students' skills in analyzing complex literary and informational texts as students delve deeply into works by acclaimed authors and historical figures. Through the study of a variety of text types and media, students build knowledge, analyze ideas, delineate arguments, and develop writing, collaboration, and communication skills. The lessons within the modules are linked explicitly to the Common Core Learning Standards, and provide a rigorous and pedagogically sound approach for how the standards can come alive with thoughtful planning, adaption, and instruction.

Multi-Cultural Literature

1106 Grades: 11-12 Credit: 0.5

Course Description: Multicultural Literature attempts to provide students with an appreciation for the parallel cultures that have contributed their rich traditions to help shape our identity as a nation. Asian American, Jewish American, Native American, African American, and Mexican American contemporary and traditional lifestyles are reflected through twentieth century writers in novels, short stories, documentaries, and movies. The course will help prepare students for a changing world made up of diverse viewpoints, along with, historical perspectives and attitudes. Students taking this course should be good readers who can handle heavy reading requirements throughout the semester. Some of the readings are for more mature readers. The course will include short in-class writing assessments, essays, daily assignments, quizzes, and projects.

Voices of America: Cultural Diversity in American History and Literature

#1107 Grades: 11-12 Credits: 0.5 **Lang Arts Credit

Course Description: This course is a semester-long cross-curricular course that combines both Social Studies and Language Arts. The elective course is available to 11th and 12th graders and can fulfill requirements for Social Studies OR Language Arts but not both.

This course considers issues of human diversity broadly defined to include race, ethnicity, culture, nationality, religion, sexual orientation, gender identity, and ability. Through an interdisciplinary social science and language arts lens, we will examine the following questions: How do we experience and understand diversity and difference? How do diversity and differences shape systems that affect individuals, families, communities, and society? What does it mean to be an American? Students will explore the contours of difference and the dynamics of diversity, privilege, and oppression in domestic and global contexts. Building on standard models of multicultural competence that emphasize knowledge, awareness, and skills, students will be introduced to cultural humility, culturally specific approaches to practice, and frameworks for equity and empowerment.

British Literature

#1109 Grades: 11-12 Credit: 0.5

Course Description: Join a course that explores kings and queens, fierce monsters, and brave heroes. We will focus on selections of British literature from the Anglo-Saxon period, medieval times, the Renaissance, the Regency Era, and beyond. Our class will read pieces such *as Beowulf*, *Morte de'Arthur*, *The Canterbury Tales*, *Macbeth*, and *Pride and Prejudice* exploring how earlier works impact later works and how language, forms of writing, and ideas evolve over time. We will learn through discussion, formative work, and summative tests or projects.

Public Speaking

#1111 Grades: 11-12 Credit: 0.5

Course Description: This course focuses on the Common Core State Standards of Speaking, Listening, Language, as well as Reading and Writing. It will provide students career readiness skills and prepare them for public speaking in the workplace, college presentations, and many other aspects of life in which people need to speak to small and large groups. The major units for this course will be persuasive, rhetorical, demonstrative, extemporaneous, and oral interpretive. Examples of speeches given during the course include interview, demonstration, memorized, celebrity, group, debate, photo in history, and impromptu.

Modern Literature

#1112 Grades: 11-12 Credit: 0.5

Course Description: Modern Literature is designed to look at literature and authors dated from 1950 to the present. We explore social issues, through a variety of genres. Students have an opportunity to understand literary terms and theories and how they apply to modern texts. Students are assessed on the following: short writing responses, longer essays, and class discussions. This course is designed for students who love to read and engage with enthusiasm in discussions of short stories and novels. It requires a large amount of reading and discussion, and a moderate amount of writing.

Media Literacy

#1114 Grades: 11-12 Credit: 0.5

Course Description: This course takes a 21st century approach to education. It provides a framework to access, analyze, evaluate, create, and participate with messages in a variety of forms—from print to video to the Internet. Media literacy builds an understanding of the role of media in society as well as essential skills of inquiry, critical thinking, and self-expression necessary for citizens of a democracy. It also expands the concept of literacy (reading and writing) to include all forms of media, while recognizing that media are a part of culture and function as agents of socialization. The course also addresses issue like creative techniques used to attract audience's attention or how different people might understand messages.

Literary Writing

#1116 Grades: 11-12 Credit: 0.5

Course Description: This course focuses on the craft, structure, and content of creative writing. Students will write poems, short stories, dramas, and other types of writing of their choice that express creativity. Students will also study writing samples from professional writers and use the workshop model to go through the writing process with each other. Learning about publications and contributing to the SHS Literary Magazine rounds out the content of the Literary Writing course.

Research Writing

#1118 Grades: 11-12 Credit: 0.5

Course Description: Instruction in Research Writing should be very helpful to those students planning to go on to college or into jobs where written reports are required. It also would be beneficial to all students who find themselves faced with term papers required in high school courses. The course provides instruction and experience in the various techniques of Research Writing, but the student should be aware that there is a significant amount of writing done both in and out of class.

Investigative Communications Writing

#1120 Grades: 9-12 (Freshmen & Sophomores only when in good standing in LA Class) Credit: 0.5

Course Description: This writing-intensive course covers a wide range of writing styles, skills, and issues related to contemporary investigative reporting and writing for a large audience. Basic news writing, interviewing skills, law and ethics, opinion/editorial writing, feature writing, page design, and historical and factual research are all vital components of the class. All students will be given the opportunity to submit stories for contests and possible publication in professional publications. Assessments are based on numerous writing assignments, including drafts and revisions, and writing/design projects. This class is strongly encouraged for students who plan to apply to take Advanced Investigative Communications Writing & Publications, and it is beneficial for any student interested in communications as a part of their profession after high school.

Advanced Investigative Communications Writing & Publications

#1122/1123 Grades: 10-12 (applications submitted through **thenorsestar.com** in December for the coming year)
Credit: 1.0 Prerequisite: 1120 Investigative Communications Writing or Instructor Consent

Course Description: Advanced Investigative Communications Writing & Publications is a two-semester elective course open to sophomores, juniors, and seniors who are interested in being a member of the Norse Star staff. The class size is limited, and students should expect a competitive application process in the winter of the year before taking the class. Through an open forum process, student staffers will produce a 24–30-page news magazine each month and an online publication of their stories, fulfilling the high standards of the editors and adviser outlined in the School Board policy. The class requires a wide range of skills and tasks, including advanced interviewing; news, feature, editorial, in-depth investigative, sports, and review writing; photography; ad sales and business skills; group discussion and planning skills; and the ability to organize drafts and interview notes while meeting weekly deadlines.

The course is recommended for students who are dependable, self-motivated, and creative. Computer skills are also recommended, though they can be learned in the class, including Adobe InDesign, Illustrator, and Photoshop. Opportunities for summer journalism programs, as well as state and national competitions, will also be available to all Norse Star staff members. The course may be taken two or three years consecutively, but additional expectations and a strong degree of leadership are required for students in their second and third years.

AP English Literature & Composition

#1134/1136 Grades: 11-12 Credit: 1.0

Course Description: AP English Literature and Composition focuses on reading, analyzing, and writing about literature (fiction, poetry, drama) from various periods. Students engage in close reading and critical analysis to deepen their understanding of the ways writers use language to provide both meaning and pleasure. As they read, students consider a work's structure, style, and themes, as well as its use of figurative language, imagery, and symbolism. Writing assignments include expository, analytical, and argumentative essays that require students to analyze and interpret literary works. Depending on their scores on the AP test, students may earn up to six credits of elective English credit at the colleges they choose. Please visit https://apstudents.collegeboard.org/getting-credit-placement/search-policies to see how universities/colleges accept AP credit. Students are strongly encouraged to take the AP exam in May.

Introduction to College Reading & Writing-*Dual Credit-MATC*

#1138/1139 Grades: 12 Credit: 1.0

Course Description: This one-year, elective course is offered to students who want to prepare for college-level reading and writing. Students will gain the skills needed to approach, navigate, and comprehend their course textbooks, as well as other college-level readings (essays, articles, arguments, documents, etc.). The course also focuses on writing skills that are needed in many college classes. By strengthening their reading comprehension skills, students will build their vocabulary, and practice critical thinking. By writing for a variety of purposes and making revisions, students will improve their writing style and grammatical competence. A grade of C or higher is required to earn dual credit (6 credits) at Madison College.

Advanced Placement (AP) English Language and Composition

#1144/1145 Grades: 11-12 Credit: 1.0 Prerequisite: 1132/1133 Language Arts 10 with B or better, Teacher Consent

Course Description: From the College Board: The AP English Language and Composition course aligns to an introductory college-level rhetoric and writing curriculum, which requires students to develop evidence-based analytic and argumentative essays that proceed through several states or drafts. Students evaluate, synthesize, and cite research to support their arguments. Throughout the course, student develop a personal style by making appropriate grammatical choices. Additionally, students read and analyze the rhetorical elements and their effects in non-fiction texts, including graphics and images as forms of texts.

MATHEMATICS

Why take Mathematics?

"Mathematics is a more powerful instrument of knowledge than any other that has been bequeathed to us by human agency"-- Descartes

Mathematics is the queen of science and the language of nature. The study of mathematics can lead to a variety of exciting professional careers. Basic research, engineering, finance, business, and government service are among the opportunities open to those with mathematical training. Moreover, with the increasing importance of basic science and information technology, prospects for careers in the mathematical sciences are very good. Mathematical analysis and computational modeling are important for solving some of the most pressing problems of our time - new energy resources, climate change, risk management, epidemiology, to name a few. We must strive to maintain our technological edge; mathematical skills will be crucial to this effort.

Students with a strong interest in Mathematics should consider career in these Clusters:

- Agriculture, Food and Natural Resources
- Architecture and Construction
- Business, Management, and Administration
- Government and Public Administration
- Health Science
- Information Technology
- Manufacturing
- Marketing, Sales, and Service
- Science, Technology, Engineering, and Mathematics
- Transportation, Distribution, and Logistics

Student placement in Mathematics
Policy: To advance to the next math course, a student must have passed each semester of their previous math course. Teachers will review the list of students not meeting this prerequisite to determine if extenuating circumstances existed and may certify that the student is prepared to advance.

Rationale: Given the sequential nature of mathematical content, a student must demonstrate a firm understanding of base concepts to allow for future success. A student who does not meet the stated requirement will benefit by re-taking a course and increasing their understanding of the mathematical concepts.

Algebra 1

#3106/3107 Grades: 9-10 Credit: 1.0 Requirement: Scientific Calculator
Course Description: Algebra 1 is the critical element in secondary mathematics education. Topics introduced in Algebra 1 provide the foundation students require for future success in high school mathematics, critical thinking, and problem solving. The primary goal in Algebra 1 is to help students transfer their concrete mathematical knowledge to more abstract algebraic generalizations.

Algebra 1 is designed to emphasize the study of multiple representations of linear and non-linear functions. Topics include recognizing and developing patterns using tables, graphs, and equations. In addition, students will explore operations on algebraic expressions, apply mathematical properties to algebraic equations. Students will solve problems using equations, graphs and tables to investigate linear relationships. Technology will be used to introduce and expand upon the areas of study listed above. Use of computers and graphing calculators will be incorporated into each module.

Geometry

#3110/3111 Grades: 9-11 Credit: 1.0 Prerequisite: 3106/3107 Algebra 1 Requirement: Scientific Calculator

Course Description: In the content of Geometry students will study of concepts of two and three-dimensional space and connect mathematics to the real, physical world. Coordinates, transformations, and proofs are used to develop the topics studied. Topics include angles, parallel and perpendicular lines, triangles, polygons, area and volume, similarity and congruence, circles, and right triangle trigonometry. Students will use technology to enhance problem solving skills and mathematical explorations. Supplies needed include protractor, compass, ruler, graph paper, and a scientific calculator. On some tests and quizzes, graphing calculators may not be allowed.

Algebra II

#3114/3115 Grades: 9-12 Credit: 1.0 Prerequisite: 3110/3111 Geometry; 3106/3107 Algebra I

Requirement: Scientific Calculator - Graphing calculator TI84 or TI83 recommended

Course Description: The content of Algebra II is organized around families of functions linear, quadratic, exponential, logarithmic, and trigonometric functions. As students study each family of functions, they will learn to represent them in a multitude of ways - as verbal descriptions, equations, tables, and graphs. Students will also learn to model real-world situations using functions to solve problems arising from those situations. The focus of this class is on advanced algebra. Students also study topics in geometry, statistics, and probability. Topics include polynomial functions, exponential functions, logarithmic functions, parametric equations, inscribed figures, transforming graphs, vectors, triangle trigonometry, circle trigonometry, variability, standard deviation, sequences, and series.

AP Precalculus

#3134/3135 Grades: 10-12 Credit: 1.0 Prerequisite: 3114/3115 Algebra II Requirement: Graphing calculator TI84 or TI83 recommended

Course Description: AP Precalculus centers on functions modeling dynamic phenomena. This research-based exploration of functions is designed to better prepare students for college-level calculus and provide grounding for other mathematics and science courses. Students will study a broad spectrum of function types foundational for careers in mathematics, physics, biology, health science, social science, and data science. Furthermore, as AP Precalculus may be the last mathematics course of a student's secondary education, the course is structured to provide a coherent capstone experience and is not exclusively focused on preparation for future courses. Students will acquire and apply mathematical tools in real-world modeling situations in preparation for using these tools in college-level calculus. Modeling, a central instructional theme for the course, helps students come to a deeper understanding of each function type. By examining scenarios, conditions, and data sets, as well as determining and validating an appropriate function model, students develop greater comprehension of the nature and behavior of the function itself. The formal study of a function type through multiple representations (e.g., graphical, numerical, verbal, analytical), coupled with applying the function type to various contexts, provides students with a rich study of precalculus. Students will develop and hone symbolic manipulation skills needed for future mathematics courses. They also solve equations and manipulate expressions for the many function types throughout the course. Students also learn that functions and their compositions, inverses, and transformations are understood through graphical, numerical, verbal, and analytical representations, which reveal different attributes of the functions and are useful for solving problems in mathematical and applied contexts. The skills learned in this course are widely applicable in a variety of future courses that involve quantitative reasoning.

AP Precalculus fosters the development of a deep conceptual understanding of functions. Students learn that a function is a mathematical relation that maps a set of input values-the domain- to a set of output values-the range-such that each input value is uniquely mapped to an output value. At various points and over various intervals, a function takes on characteristics that can be classified with varying levels of precision and justification, depending on the function representation and available mathematical tools. Furthermore, a function can be classified as part of a function family based on how the values of different variables change simultaneously. Research indicates that a deep understanding of functions and their graphs embodying dynamic covariation of quantities best supports student preparation for calculus. With each function type, students develop and validate function models based on the characteristics of a bivariate data set, characteristics of covarying quantities and their relative rates of change, or a set of characteristics such as zeros, asymptotes, and extrema. These models are used to

interpolate, extrapolate, and interpret information with varying degrees of accuracy for a given context or data set. Additionally, students also learn that every model is subject to assumptions and limitations related to the context. As a result of examining functions from many perspectives, students develop a conceptual understanding not only of specific function types but also of functions in general. This type of understanding helps students to engage with both familiar and novel contexts.

Students are strongly encouraged to take the AP exam. Students who complete and pass the examination may receive college credit.

Intermediate Algebra

#3126/3127 Grades: 11-12 Credit: 1.0 Prerequisite: 3106/3107 Algebra I with grade of C or below & 3110/3111 Geometry. If Algebra II credit has been earned, not eligible for this course

Course Description: This algebra course is for students planning to attend either a technical college or a 4-year university and needs additional support in mathematics. The focus is on developing skills and techniques to simplify and solve linear, polynomial, radical, and rational expressions and equations while solving problems with real-world applications.

Functions, Statistics, Trigonometry

#3128/3129 Grades: 11-12 Credit: 1.0 Prerequisite: 3114/3115 Algebra II with a C or below in Algebra II or struggled in Algebra II.

Course Description: This course is designed to reinforce and extend mathematical concepts from previous mathematics courses, in addition to studying advanced topics from algebra, statistics, trigonometry and probability. This course will prepare students for Pre-Calculus.

Advanced Placement (AP) Calculus AB

#3118/3119 Grades: 11-12 Credit: 1.0 Prerequisite: 3116/3117 Pre-Calculus Requirement: Graphing calculator - TI84 or TI83 recommended

Course Description: AP Calculus AB and AP Calculus BC focus on students' understanding of calculus concepts and provide experience with methods and applications. Using big ideas of calculus (e.g., modeling change, approximation and limits, and analysis of functions), each course becomes a cohesive whole rather than a collection of unrelated topics. Both courses require students to use definitions and theorems to build arguments and justify conclusions. The courses feature a multi-representational approach to calculus, with concepts, results, and problems expressed graphically, numerically, analytically, and verbally. Exploring connections among these representations builds an understanding of how calculus applies limits to develop important ideas, definitions, formulas, and theorems. A sustained emphasis on clear communication of methods, reasoning, justifications, and conclusions is essential. Teachers and students should regularly use technology to reinforce relationships among functions, to confirm written work, implement experimentation, and assist in interpreting results.

Students are strongly encouraged to take the AP exam. Students who complete and pass the examination may receive college credit.

Advanced Placement (AP) Statistics

#3120/3121 Grades: 11-12 Credit: 1.0 Prerequisite: 3114/3115 Algebra II grade of B or higher
Requirement: Graphing Calculator – T184 or T183 recommended
Course Description: The purpose of the Advanced Placement course in statistics is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four conceptual themes: Exploring Data, Planning a Study, Anticipating Patterns in Advance, and Statistical Inference. Students are strongly encouraged to take the AP exam. Students who successfully complete the course and examination may receive college credit.

Advanced Placement (AP) Calculus BC

#3124/3125 Grades: 11-12 Credit: 1.0 Prerequisite: 3118/3119 AP Calc AB or 3116/3117 Pre-Calc
Requirement: Graphing Calculator – T184 or T183 recommended
Course Description: AP Calculus AB and AP Calculus BC focus on students' understanding of calculus concepts and provide experience with methods and applications. Using big ideas of calculus (e.g., modeling change, approximation and limits, and analysis of functions), each course becomes a cohesive whole rather than a collection of unrelated topics. Both courses require students to use definitions and theorems to build arguments and justify conclusions.
The courses feature a multi-representational approach to calculus, with concepts, results, and problems expressed graphically, numerically, analytically, and verbally. Exploring connections among these representations builds an understanding of how calculus applies limits to develop important ideas, definitions, formulas, and theorems. A sustained emphasis on clear communication of methods, reasoning, justifications, and conclusions is essential. Teachers and students should regularly use technology to reinforce relationships among functions, to confirm written work, to implement experimentation, and to assist in interpreting results.

Calculus BC is an extension of Calculus AB, not an enhancement. This course includes all the content of Calculus AB as well as additional content corresponding to the second semester of college Calculus. This course is recommended for students who have completed Calculus AB as well as for the most advanced Pre-Calculus students who can handle the challenge of a college level mathematics course taught at full college speed.

Students are strongly encouraged to take the AP exam. Students who successfully complete the course and examination may receive college credit.

MUSIC

Why take Music?

Music education is vital to the development of both academic and social skills such as critical thinking, problem solving, and cooperation to achieve a shared goal. Music requires the integration of many elements that cultivate students' abilities to analyze, synthesize, and evaluate information. Music students tend to be better listeners. The application of concepts learned in music classes enhances the learning in other classes. Music teaches students to internalize information and encourages individual thinking and expression. Music can also be beneficial as a method of self-discovery. It helps students to understand and express their feelings, and prepares them for citizenship as a thinking, independent individual; to become an active member of society. Music teaches about cooperation for a collective goal and the importance of individuality and developing opinions. When a student learns through direct experience, the knowledge gained lasts a lifetime.

Students with a strong interest in Music should consider careers in these Clusters

- Arts, A/V Technology, and Communications
- Education and Training
- Health Science
- Hospitality and Tourism
- Marketing, Sales, and Service

Fees

- Band instrument maintenance fee - $90 for school owned instruments
- Marching Band (not all fees collected yearly)
  - Uniform cleaning fee - $35
  - Shoes - $48
  - Marching Band Shirt - $15
- Orchestra instrument maintenance fee - $40-$70 for school owned instruments

All incoming 9th grade Choir students must register for Chorale. Students will be contacted regarding audition information for Concert Choir, JazzKor, Madrigals, and other auditioned choral ensembles. This pertains to transfer students as well. Contact: Choral Director, Ryan Casey, 877-5746 or Ryan.Casey@stoughton.K12.wi.us.

All incoming 9th grade Band students must register for Concert Band. Students will be contacted regarding placement information for Symphonic Band. This pertains to transfer students as well. Contact: Band Director, Dan Schmidt, 877-5745 or Dan.Schmidt@stoughton.k12.wi.us

All incoming 9th grade Orchestra students must register for String Choir. Students will be contacted regarding audition information for Symphony Orchestra. This pertains to transfer students as well. Contact: Orchestra Director, Rachel Lam, 877-5747 or Rachel.Lam@stoughton.k12.wi.us

Any student interested in taking the audio recording class must meet with the Choir Director, Mr. Casey, to set up an interview. This class is only open to 2 students per semester.

Concert Band

#7100/7101 Grades: 9-12 Credit: 1.0 Prerequisite: Non-auditioned

Course Description: The Concert Band plays and performs concert music at a variety of levels and styles. Students in this ensemble will also learn pep tunes for home football games. Concert Band members also can create and compose music. In addition, students will be able to participate in many extra ensembles, such as Solo & Ensemble, Brass Quintets, Instrument Choirs, Jazz Band, and others. Course requirements include but are not limited to: 1) Attendance at all performances, 2) daily participation and lesson attendance, 3) personal practice time, 4) playing tests, 5) care of equipment, 6) formal wear purchase.

All 9-12 band students will have the opportunity to audition for Symphonic Band. These auditions take place in February of the preceding year. All students are expected to attend the annual high school band camp, which will be held July 15-19th. All 9-12 students also can audition for Viking Marching Band which prepares and performs the annual field show production. For additional information, please visit the High School Band webpage.

Symphonic Band

#7102/7103 Grades: 9-12 Credit: 1.0 Prerequisite: Auditioned (Auditions held in February of preceding year)

Course Description: The Symphonic Band is open to all high school students and meets during the school day. The Symphonic Band plays and performs music at an advanced high school and college level. Students in this ensemble are also members of Viking Marching Band. Symphonic Band members will also create and compose music. In addition, students will have the opportunity to participate in many extra ensembles and events such as honor bands, Solo & Ensemble, Brass Quintets, Instrument Choirs, Jazz Band, and others. Course requirements include but are not limited to 1) participation at all performances, 2) daily participation, 3) lessons, 4) practice time, 5) playing tests, 6) written assignments and quizzes, 7) formal wear purchase.

All students are expected to attend the annual high school band camp, which will be July 15-19th and Viking Marching Band Rehearsals will be held in July and August. For additional information, please visit the High School Band webpage.

Advanced Placement (AP) Music Theory

#7110/7111 Grades: 11-12 Credit: 1.0

Course Description: This course is designed to prepare students for college music theory. Students will also create music in a variety of styles and genres. Through composition, listening, and the active process of creating music, students will learn the building blocks of Western Music. At the conclusion of the course, students will have the option to take the AP Music Theory Exam.

Chorale

#7200/7201 Grades: 9-12 Credit: 1.0 Prerequisite: Non-auditioned

Course Description: Chorale meets daily and focuses on beginning and intermediate choral literature and sight-reading. Course requirements include but are not limited to: Participation at all performances, daily formative performance assessments, occasional formative quizzes (both vocal and written), and summative voice exams.

Concert Choir

#7202/7203 Grades: 9-12 Credit: 1.0 Prerequisite: Auditioned (Held in Spring for the following year)

Course Description: Concert Choir meets daily and focuses on a wide variety of advanced choral literature/sight reading. Students can participate in the Madrigal Singers by being a member of this ensemble. Requirements for this ensemble include but are not limited to: participation at all performances, daily formative performance assessments, occasional formative quizzes (both vocal and written), and summative voice exams.

Mentorship-Audio Recording

#7205 Grades: 11-12 Credit: 0.5 Prerequisite: By application only

Course Description: Audio Recording is a mentorship class available to students by application only. This class focuses on the audio recording process and uses Pro Tools software. Subjects covered include microphone selection, microphone placements, digital/external plug-ins, song production, multi-track recording, mixing, and mastering. Please see teacher for an application if you are interested in taking this class.

String Choir

#7310/7311 Grades: 11-12 Credit: 1.0 Prerequisite: Non-auditioned (students can audition for section leader at the beginning of the school year)

Course Description: Orchestra meets one period each day for both semesters and receives full credit. This ensemble offers a variety of concert performances, studying all types of musical genres and styles. Students will also study chamber music and participate in the Badger Conference Solo and Ensemble Festival. Course requirements include but are not limited to: 1) attendance at all performances, 2) class participation, 3) individual improvement/practicing, 4) occasional quizzes (both playing and written).

Symphony Orchestra

#7300/7301 Grades: 9-12 Credit: 1.0 Prerequisite: Auditioned (Auditions help in spring for the following year)

Course Description: The Symphony Orchestra is an auditioned group that is open to all students' grades 9 - 12 who have previously played a string instrument. Orchestra meets one period each day for both semesters and receives full credit. This ensemble offers a variety of concert performances, studying all types of musical genres and styles, including String and Full orchestra as well as participation in the Badger Conference Large Group Festival. Students will also can study chamber music by participating in the Solo and Ensemble Festival. There will be several performances scheduled outside of the school day, including weekends and tours. Course requirements include but are not limited to 1) attendance at all performances, 2) class participation, 3) individual improvement/practicing, 4) occasional quizzes (both playing and written).

Intro to Guitar

#7206 Grades: 9-12 Credit: 0.5

Course Description: Intro to Guitar is an introductory elective course designed to study basic, beginning guitar and guitar styles. Class guitars are provided. All students will be introduced to a core curriculum of basic techniques that includes correct instrument posture, aural skills, folk/pop/rock chord types (major, minor, and 7th chords) and standard strumming styles for accompaniment and blues patterns. In addition, students will learn how to read music notation and chord symbols. Advanced topics for individual exploration may include fingerpicking, barre shapes, advanced note reading (Jazz & Classical), and Rock & Blues improvisation. This is a lab; all work and practice are done in class and no homework is assigned. Daily attendance is highly recommended.

PHYSICAL EDUCATION & HEALTH

Why take Physical Education?

Regular fitness activity is beneficial in many ways and contributes to students' overall physical and emotional health. These benefits include:

- Regular fitness activity leads to a healthy lifestyle, develops muscular strength, and improves cardiovascular health.
- Physical activity builds self-confidence and provides a positive influence on a student's personality, character, and self-esteem. It also enhances communication skills and cooperation.
- Eye-hand coordination, reflexes and body movements are improved through physical activity.
- Regular fitness activity relieves stress and contributes to one's emotional health, which helps a person make educated decisions about their own health, safety, and well-being.
- Every career requires a healthy employee.

Students with a strong interest in Science should consider careers in these clusters:

1. Arts, AV Technology & Communications
2. Health Sciences
3. Education and Training
4. Hospitality and Tourism

The Skills and Benefits learned above: Fitness, Self-Confidence, Motor Skills, Health and Nutrition, and Stress Management are necessary for careers in all these Clusters.

The Wisconsin Department of Instruction requires that all students take one and one-half (1.5) credits of physical education. All students are also required to take Health. All ninth (9^{th}) and tenth (10^{th}) grade students are required to take a physical education class each year. Juniors may take a physical education course or, if they participate in a school-sponsored extracurricular sport, Norwegian Dancers or Cheerleading, their participation may satisfy the last .5 PE credit. The student must also take an additional upper-level math, social studies, science course, or advanced health coursework.

All students may elect to take additional physical education classes beyond their required 1.5 credits. If a student is repeating a Physical Education course (except PE 9) the student must have earned a C or better and/or have administrative approval.

Students may not take the same Physical Education course in consecutive semesters of a school year. Exception to this rule is the Strength and Conditioning course, where students may take it in consecutive semesters of a school year.

Proper footwear is required for all classes. A change of clothes is highly recommended for health and safety reasons. Lockers are provided, but students must provide their own locks. STUDENTS ASSUME ALL RESPONSIBILITY FOR THEIR PERSONAL ITEMS.

Physical Education 9

#5100 Grades: 9 Credit: 0.5

Course Description: A basic skills program for freshmen will be offered. Through team, dual and individual activities students will develop strength, endurance, agility, cooperation, and an appreciation of physical recreation. Fitness Assessments will be utilized to promote individual fitness awareness. Units include badminton, fitness, soccer, basketball, softball, swimming, volleyball, light weight training and conditioning, ultimate frisbee and football.

Strength & Conditioning

#5102/5103 Grades: 10-12 Credit: 0.5 Prerequisite: 5100 Physical Education 9 or Teacher Consent

Course Description: This is an elective course designed to develop student's injury resistance and enhance athletic performance and set a course for life-long healthy living. Emphasis will be placed on the development of strength, flexibility, balance, and dynamic movement. Students will also gain practical knowledge about rest, nutrition, and training principles.

Individual Activities

#5104 Grades: 10-12 Credit: 0.5 Prerequisite: 5100 Physical Education 9 Cost: $20 fee for bowling

Course Description: Emphasis in Individual Activities is on advanced skill development, fitness, game play/strategies, and individual sport activities. Fitness assessments will be utilized to promote individual fitness awareness. This course will include many of the following activities: tennis, track and field, individual fitness including the fitness center, swimming, badminton, bowling, table tennis, nutrition, walking and backyard games. A competitive spirit is necessary for tournament play and activities.

Team Activities

#5108 Grades: 10-12 Credit: 0.5 Prerequisite: 5100 Physical Education 9 Cost: $15 fee for bowling

Course Description: Emphasis in Team Activities is on advanced skill development, fitness, teamwork, and communication. Fitness assessments will be utilized to promote individual fitness awareness. This course will include many of the following activities: volleyball, basketball, water polo, speedball, kickball, ultimate frisbee, team handball, soccer, softball, football, bowling, rugby, lacrosse, floor hockey and water games. A competitive spirit is essential.

Lifetime Fitness

#5110 Grades: 10-12 Credit: 0.5 Prerequisite: 5100 Physical Education 9 Cost: $20 fee for self-defense

Course Description: Activities enjoyed throughout the lifetime are emphasized in this class, as are the characteristics of successful people. Activities include walking/jogging, swimming for fitness, self-defense (activity part), weightlifting and conditioning. Time will also be spent exploring how goal setting, nutrition, time management, and organization influence lifetime wellness. Fitness assessments will be used to promote individual fitness awareness.

Lifeguard Training/CPR/First Aid

#5118 Grades: 10-12 Credit: 0.5 Prerequisite: Student must be 15 years old; swimming pre-test is required
Cost: $85 fee charged to cover cost of books, pocket mask and certifications

Course Description: Lifeguard Training, CPR and First Aid certifications may be earned in this class. The purpose of this course is to teach you the skills needed to help prevent and respond to aquatic emergencies. This class will be limited to 12 students.

Health

#5500 Grades: 9-12 (Required for all 9th or 10th grade students) Credit: 0.5

Course Description: Offered each semester, Health Education is a graduation requirement. Emphasis in this course focuses on many aspects of health information including decision-making skills that emphasize a healthy lifestyle now and in the future.

SCIENCE

Why take Science?

Science is for everyone. Every day we face decisions that depend on us understanding and collecting information from a variety of sources. Science provides the tools with which to reason through the information and make better decisions. From deciding what to eat, whether to smoke, or voting for a public office candidate that supports the environment, you need to be scientifically educated. Science is necessary for a strong economy, education system, and for society to exist. By choosing a career in science, you will be able to apply your knowledge to solving earth's future problems or dream of ways to further develop our technological society. By studying science, you will be able to understand and have confidence in making informed decisions as a citizen.

Students with a strong interest in Science should consider careers in these Clusters:

- Science, Technology, Engineering, and Mathematics
- Agriculture, Food, and Natural Resources
- Education and Training
- Health Science
- Manufacturing
- Art and Design

iSTEM

#4348/4349 Grades: 9 Credit: 1.0 Requirement: Calculator

Course Description: This yearlong, lab-based course will integrate the concepts of science, technology, engineering, and mathematics relating to the study of introductory physics, Earth, and space science. This class is designed to help students develop the critical thinking skills needed in a STEM-based society. Students will need a calculator for this class.

Biology

#4304/4305 Grades: 10 Credit: 1.0

Course Description: This is a yearlong, lab-based course that gives students an introductory knowledge of science concepts relating to biology. Biology is the study of life and living organisms and covers the topics of ecology, cells, genetics, and natural selection. Within the year students will examine organisms' structure, function, growth, heredity, evolution, distribution, and taxonomy. This course is designed to serve as a solid foundation for student understanding of science interactions in the living world.

Chemistry

#4312 Grades: 11-12 Credit: 0.5

Course Description: This one semester lab-based course will introduce students to the concepts of chemistry that are part of their everyday life and that are relevant to career paths in the liberal arts. This course will teach students critical thinking and problem-solving skills in the context of chemistry. This course will incorporate the use of mathematics in the study of chemistry. Students will need a calculator for this class.

Chemistry For Science/Engineering Careers

#4310/4311 Grades: 10-12 Credit: 1.0 Prerequisite: 3106/3107 Algebra I and 3110/3111 Geometry

Course Description: This yearlong, lab-based, course will introduce students to the concepts of chemistry that are part of their everyday life and specifically used in science and engineering-related career paths. This course will teach students critical thinking and problem-solving skills in the context of chemistry. This course will incorporate the use of mathematics in the study of chemistry. This course is intended for students pursuing careers in the areas of Science, Technology, Engineering, and Mathematics; Agriculture, Food, and Natural Resources; Health Science; and Science Education. Students will need a scientific calculator for this class.

Physics

#4314/4315 Grades: 11-12 Credit: 1.0 Prerequisite: Enrollment in 3114/3115 Algebra II

Course Description: Physics is an algebra-based, lab intensive, year-long course which focuses on basic concepts and connections of Physics to everyday life. Topics include Newton's laws of motion, velocity, acceleration, gravity, projectile motion, circular motion, torque, momentum, collisions, waves, sound, light, electricity, and magnetism. Students will also incorporate engineering challenges that examine how physics is applied in everyday life. Students will need a calculator for this class.

Human Anatomy & Physiology

#4322 Grades: 11-12 Credit: 0.5 Recommend: 4304/4305 Biology

Course Description: This is a semester long course that provides an exploration of some of the major systems of the human body. The material is present in a combination of lecture, lab exploration, reading, audiovisual, discussion, and computer assisted formulas. This course is only one semester long and therefore the pacing is rapid. Comprehension assessments will be in the form of topic tests, written assignments, lab activities, quizzes, group projects and dissections. The course will prepare you for future studies in this subject area and will provide you with a more solid understanding of how your body functions.

Human Anatomy & Physiology for Health Professions

#4334/4335 Grades: 11-12 Credit: 1.0 Recommended: 4304/4305 Biology

Course Description: This yearlong course provides a comprehensive study of the major systems of the human body for students with a strong interest in a health science career. The material is presented in a combination of lecture, lab exploration, dissections (sheep brain, heart, fetal pig, or cat), reading, audiovisual, and discussion. Upon completion, students should be able to demonstrate an in-depth understanding of principles of anatomy and physiology and their interrelationships. Laboratory work includes dissection of preserved specimens, microscopic study, physiologic experiments, computer simulations, and multimedia presentations. This is a fast paced, rigorous course building a foundation for students aspiring to go into a medical profession. One of the goals of this course is to prepare students with the skills necessary to be successful in future science classes in college.

Environmental Science

#4328 Grades: 11-12 Credit: 0.5 Recommended: 4304/4305 Biology

Course Description: Environmental Science is an elective semester course open to juniors and seniors. Completion of Biology is recommended but not required. Environmental Science examines the interrelationships between people and their environment. Students will study ecological environments and relationships, population dynamics, pollution, and energy. A majority of the time will be spent in lab investigations and research.

Biotechnology

#4330 Grades: 11-12 Credit. 0.5 Cost: $15 fee for suppliesRecommended: 4304/4305 Biology

Course Description: This one semester course is designed to explain how “living tools” such as cells, DNA, RNA and proteins can be used to improve human health, ecology and agriculture. Students will also learn how DNA is analyzed to either predict the inheritance of a genetic disorder or identify a suspect at a crime scene. Not only will students learn how this is done, but students will also gain valuable lab skills during actual biotechnology experiments such as gel electrophoresis, restriction enzyme analysis, genetic transformation of cells, and DNA purification. Students will also develop critical thinking and communication skills currently used in the biotechnology industry. The course will also examine ethical, legal, and social issues that surround biotechnology such stem cells, cloning, genetic testing, gene therapy and genetically modified foods. This lab intensive course will prepare you for a career or major study in forensic science, pharmaceuticals, agricultural research, genetic testing, and genomic research.

Advanced Placement (AP) Biology

#4324/4325 Grades: 11-12 Credit: 1.0 Prerequisite: 4304/4305 Biology Recommended: Completion or concurrent enrollment in 4310/4311 Chemistry for Science/Engineering Careers

Course Description: Advanced Placement Biology is part of the College Board's mission to provide an opportunity for high school students to pursue and receive credit for college-level course work. This year-long course is designed to be the equivalent of a college introductory biology course usually taken by *biology majors* during their first year of college. The pacing and rigor of this course matches that of a biology course taken in college. The key concepts and related content that define the AP Biology course and exam are organized around a few underlying principles called the big ideas, which encompass the core scientific principles, theories and processes governing living organisms and biological systems.

Laboratory experiences are an important component to the AP Biology curriculum with many required labs. Students will develop advanced inquiry and reasoning skills, such as designing a plan for collecting data, analyzing data, applying mathematical routines, and connecting concepts in and across domains. The result will be readiness for the study of advanced topics in subsequent college courses. **This course is designed to prepare students for the College Board's Advanced Placement Biology Exam given in May. Students are strongly encouraged to take the AP exam.**

Advanced Placement (AP) Chemistry

#4326/4327 Grades: 11-12 Credit: 1.0 Prerequisite: 4310/4311 Chemistry for Science/Engineering Careers **Course Description:** This course provides students with a college-level foundation to support future advances coursework in chemistry. AP Chemistry is equivalent to a one-year, introductory college general chemistry course. Students cultivated their understanding of chemistry through inquiry-based investigations, as they explore content such as: atomic structure, intermolecular forces and bonding, chemical reactions, kinetics, thermodynamics, and equilibrium. This course is rigorous and time intensive.

Laboratory experiences are an important component to the AP Chemistry curriculum with many required labs. Students will develop advanced inquiry and reasoning skills, such as designing a plan for collecting data, analyzing data, applying mathematical routines, and connecting concepts in and across domains. The result will be readiness for the study of advanced topics in subsequent college courses. **This course is designed to prepare students for the College Board's Advanced Placement Chemistry Exam given in May. Students are strongly encouraged to take the AP exam.** Students will need a scientific calculator for this class.

SOCIAL STUDIES

Why take Social Studies?

Today's social studies courses teach students:

- to understand cultures—systems of beliefs, knowledge, values, and traditions—so they can relate to people in our nation and throughout the world.
- to develop historic perspective and understand how things change and develop—so they can make informed choices and decisions in the present.
- to understand geography and space beyond their personal locations—so they can be effective decision makers regarding the relationship between human beings and their environment.
- to understanding the historical development of structures of power, authority, and governance and their evolving functions in contemporary society—so they can develop civic competence.
- to understand how the production, distribution, and consumption of goods and services is organized—so they can function effectively in an interdependent world economy.
- to understand civic ideals and practices across time and in diverse societies—so they can participate fully in our society.

Students with a strong interest in Social Studies should consider careers in these Clusters:

- Government & Public Administration
- Law, Public Safety, Corrections, & Security
- Hospitality & Tourism

Three and one-half credits (3 ½) of social studies are required to graduate. The social studies program consists of two full-year required courses for freshmen and sophomores, while juniors and seniors take three required individual semester courses.

Modern United States History

#2014/2015 Grades: 9 Credit: 1.0

Course Description: United States History is a required one-year course for all freshmen students. Students will begin the year with a brief review of United States history up through Reconstruction. Topics to be covered in this course over the full year include Growth in the West, Industrialization and Immigration, The Progressive Era, Imperialism, World War I, the Roaring Twenties, the Great Depression, and the New Deal, the Rise of Dictators and World War II, the Cold War Era, the Civil Rights Era, the Vietnam War Years, and America in a Changing World (modern day).

Ancient World History

#2020/2021 Grades: 10 Credit: 1.0

Course Description: Ancient World History is a required one-year survey course for sophomores. This course will be taught in a chronological sequence. Students will start with prehistory and move into the earliest civilizations that developed in the River Valleys of Africa, Asia, and Europe. The students will then work their way through the classical civilizations of Egypt, early China, India, Greece, and Rome. Next, they will study the Middle Ages, the Renaissance, the Reformation, and the Age of Exploration and Conquest. The class will finish up with the Age of Enlightenment and Revolution.

Modern World History

#2054 Grades: 11 Credit: 0.5

Course Description: Modern World History is a required one semester course for juniors. This course will be taught in chronological sequence. This course is a comparative survey of World history as related to the development of the modern world. Students in grade eleven study major turning points that shaped the modern world, from the mid-nineteenth century through the present, including the cause and course of the two world wars. They will trace the rise of democratic ideas and develop an understanding of the historical roots of current world issues, especially as they pertain to international relations.

Advanced Placement (AP) World History

#2250/2251 Grades: 11-12 Credit: 1.0 Cost: Students are responsible for the cost of the College Board exam offered in May.

Course Description: Advanced Placement World History is a challenging year-long course that is structured around the investigation of selected themes merged into key concepts covering distinct historical periods from 1200 CE to present. The course provides balanced global coverage, with Africa, the Americas, Australia, Oceania, and Europe all represented, with no more than 20% of the time devoted to European history. AP World History is equivalent to an introductory college survey course.

AP World History serves as a substitute for the junior level Modern World History course. If, however, a student drops AP World History at semester, that student must still take Modern World History to fulfill school credit requirements.

U.S. Government

#2200 Grades: 11-12 Credit: 0.5

Course Description: United States Government is a required one-semester course offered to juniors and seniors. United States Government is designed to encourage active and positive citizenship by increasing students' appreciation of the tools required for effective citizenship. It provides students with factual information necessary to understand institutional and political aspects of local, state and national government in the United States. In addition, the course will leave students with a better understanding of the dynamics of political decision-making in this country. Units of study will include the Constitution, Federalism, Congress, the Presidency, and Wisconsin state and local government.

Voices of America: Cultural Diversity in American History and Literature

#2207 Grades: 11-12 Credit: 0.5 **Social Studies Credit

Course Description: This course is a semester-long cross-curricular course that combines both Social Studies and Language Arts. The elective course is available to 11th and 12th graders and can fulfill requirements for Social Studies OR Language Arts but not both. This course considers issues of human diversity broadly defined to include race, ethnicity, culture, nationality, religion, sexual orientation, gender identity, and ability. Through an interdisciplinary social science and language arts lens, we will examine the following questions: How do we experience and understand diversity and difference? How do diversity and differences shape systems that affect individuals, families, communities, and society? What does it mean to be an American? Students will explore the contours of difference and the dynamics of diversity, privilege, and oppression in domestic and global contexts. Building on standard models of multicultural competence that emphasize knowledge, awareness, and skills, students will be introduced to cultural humility, culturally specific approaches to practice, and frameworks for equity and empowerment.

Advanced Placement (AP) US Government and Politics

#2204/2206 Grades: 11-12 Credit: 1.0 Cost: Students are responsible for the cost of the College Board exam offered in May

Course Description: AP U.S. Government and Politics is a one-year elective open to juniors and seniors. This course explores the political theory and everyday practice that directs the daily operation of our government and shapes our public policies. The express purpose of this course is to prepare students to take the AP Exam for U.S. Government and Politics. This course is for all intents and purposes taught at a college level and it requires a substantial amount of reading and preparation for every class. The objectives of this course go beyond a basic analysis of how our government "works". Students will develop a critical understanding of the strengths and weaknesses of the American political system, as well as their rights and responsibilities as citizens.

Advanced Placement US Government and Politics is a yearlong course that is a replacement for the semester long required government course. If you choose to take Advanced Placement US Government and Politics, you are choosing to take government as a year-long course. If it is dropped at semester time the student will need to take regular government second semester to meet the graduation requirement. Students are strongly encouraged to take the AP exam. Those students who score 3 out of 5 on the exam will likely receive college credits.

Economics

#2300 Grades: 11-12 Credit: 0.5

Course Description: Economics is a required one-semester course offered to juniors and seniors. Economics is the study of how individuals and nations allocate their scarce resources. This course is designed to give students the basics of economic literacy. In this course, students will learn about the following:

1. Basic Economic Concepts and Comparative Economics Systems: opportunity cost and other basic economic concepts/term. Overview of economic systems (capitalism, command system, traditional economic systems).
2. Markets: supply and demand
3. Money, Banking & Investment: the role of money in the economy, study of money's origins, characteristics, and functions, overview of banks and the Federal Reserve, investment terms and concepts, participation in online stock simulation.
4. Macroeconomics: study of key economic indicators such as Gross Domestic Product, unemployment, inflation, the business cycle, and interest rates, study of aggregates and ways economists try to understand economies.
5. The Government & the Economy: types of taxes, tax rates and government spending.
6. Personal Finance: study of personal finance topics such as loans, credit cards and money management.
7. World Trade: define and discuss basic concepts involved in international trade such as trade restrictions and international currencies, describe and discuss the pros and cons of international trade.

Introduction to Psychology

#2110 Grades: 10-12 Credit: 0.5

Course Description: Psychology is a semester long elective offered at the sophomore, junior and senior levels. This class offers insight into the human (and animal) psyche, explaining at an introductory level, how and why we do what we do physically, socially, and cognitively. Psychology is designed to help students gain a better understanding of themselves and the world they must interact with every day and help prepare those who intend to take Advanced Placement Psychology in the future. Units include but are not limited to psychologies founders, the brain, sensation and perception, memory, mental illness and therapies, states of consciousness (sleep, hypnosis), personality, and social psychology. Other student interest topics are discussed as well. Activities include but are not limited to mini-projects, vocabulary, videos, formative assessments, online activities, and summatives.

Contemporary Women's Issues

#2650 Grades: 10-12 Credit: 0.5

Course Description: This course is a semester long elective open to sophomores, juniors, and seniors. Throughout the semester students will be studying women's history and liberation; women's issues in contemporary society; sex role stereotyping and changing societal roles; advertising, societal body images, and eating disorders; sexual harassment, sexual assault, and domestic violence. These are some of the suggested topics and discussions are not limited to these topics. Teaching methods include lectures, discussion, small group work, films, projects, and guest speakers.

U.S. & World Geography

#2800 Grades: 10-12 Credit: 0.5

Course Description: This course is a semester long elective open to sophomores, juniors, and seniors. This course will examine the physical geography of the United States and the world as well as the interaction between humans and their environment. This course aims to provide students with a wide range of social studies skills through the study of the physical environment and human activities, and the way in which these affect each other. Students will learn and practice geographic skills extensively throughout the course by working with maps, research, discussion, and analysis. The goal for the course is to provide students with the understanding of how to read and create a map, as well as a comprehension of the physical geography and layout of the United States and the world itself.

Advanced Placement (AP) U.S. History

#2700/2701 Grades: 10-12 Credit: 1.0 Cost: Students are responsible for the costs of the College Board exam offered in May.

Course Description: Advanced Placement U.S. History (APUSH) is a yearlong, elective, college level course, open to sophomores, juniors, and seniors**.** APUSH covers the period of early European exploration of the Americas to the present. It is designed to provide students with the analytic skills and factual knowledge necessary to deal critically with the problems and materials in United States history. There is major emphasis on reading and writing skills. Students will read and analyze primary source materials. Students are strongly encouraged to take the AP exam. Those students who score 3 out of 5 on the exam will likely receive college credits.

Advanced Placement (AP) Psychology

#2112/2113 Grades: 11-12 Credit: 1.0 Cost: Students are responsible for the costs of the College Board exam offered in May. Students are required to purchase an AP Psychology prep book.

Course Description: Advanced Placement Psychology is a one-year elective course offered to juniors and seniors, which provides students with the opportunity to earn up to five college credits in Psychology at the secondary school level. Sponsored by the College Board, the program is based on the premise that college-level material can be taught successfully to secondary school students. Students are strongly encouraged to take the AP exam in May. Topics to be studied include Psychology History, the brain, Lifespan Development, Thinking and Language, Stress and Health, Sensation and Perception, Learning, Memory, Intelligence, Consciousness, Personality, Emotions, Social Psychology and Clinical Psychology.

TECHNOLOGY & ENGINEERING EDUCATION

Why take Technology and Engineering Education (TEE)?

- Understand why and how people design, engineer, and invent to meet human needs and wants
- Develop and apply critical thinking and problem-solving skills
- Safely use, manage, and evaluate technological systems and engineering processes
- Relate technology with science, mathematics, and other subjects
- Communicate technology content and processes individually as well as in teams.
- Understand the past and future significance of engineered designs and impacts of technological solutions.

Students with a strong interest in Technology and Engineering Education should consider careers in these clusters:

- Arts, AV Technology and Communications
- Architecture and Construction
- Manufacturing
- Science Technology and Engineering
- Transportation Distribution and Logistics

Engineering Drafting & Design

#8510 Grades: 9-12 Credit: 0.5

Course Description: This course is concerned with the preparation of drawings that are typically used by industries such as architecture, engineering, interior design, landscaping, mechanics, plumbing, electricians, and others that develop, manufacture, repair or produce any product. Students will learn how to develop mechanical drawings using traditional hand drawing equipment and with the Computer Aided Design (CAD) software programs, AutoCAD, and SolidWorks.

Topics covered include sketching, the use of drafting equipment, geometric construction, orthographic projection, dimensioning, 3 view drawings, working drawings, assemblies, section views, auxiliary views, pictorial, and isometric drawings. Product design and problem-solving using creativity, science, math along with CAD technology and Fab Lab equipment to design unique, dependable and cost-effective products will be covered. This course provides an excellent foundation for Fab Lab.

Introduction to Architecture

#8512 Grades: 10-12 Credit: 0.5 Prerequisite: 8510 Engineering Drafting & Design

Course Description: Architectural drawings will be the focus of the class. All facets of developing a complete set of architectural drawings needed to construct a building will be covered. AutoCAD will be used for all assignments. This course focuses on building skills that are applicable to many careers such as architecture, interior and landscape design, and engineering. Class may be repeated for credit with teacher approval.

3D Architectural Design

#8513 Grades: 10-12 Credit: 0.5 Prerequisite: 8510 Engineering Drafting & Design

Course Description: This course introduces the concepts of 3D architectural design. Students will use, become familiar and competent with Revit, the standard 3D modeling software used by architects, engineers, and designers for 3D representation of architectural projects. We will cover basic modeling techniques of residential and commercial buildings. By the end of the course, students will have developed a set of typical drawings necessary for the construction of the building. Additional topics could include specialty trades such as structural engineering, mechanical, electric, plumbing, landscaping, interior design and

construction of physical 3D models of the design. Employment in this area is strong and projected to grow at an above average pace.

Intro to Woods & Construction

#8500 Grades: 9-12 Credit: 0.5 Requirement: Safety glasses Cost: Course fee $25

Course Description: In this hands-on, introductory level woodworking course, students will develop skills to use hand and power tools and equipment safely and appropriately. Materials and calculation of costs will be covered. Students will complete a series of prototypes and projects before an introduction to CAD, CNC and Fab Lab equipment related to woods.

Cabinetmaking & Millwork- *Dual Credit-MATC*

#8502 Grades: 10-12 Credit: 0.5 Prerequisite: 8500 Intro to Woods & Construction
Requirement: Safety glasses Cost: Course fee $25

Course Description: The outcome of this course mirrors MATC's Woods1A course and The Woodwork Career Alliance (WCA) skill standards by introducing the learner to the operation of traditional woodworking equipment. Demonstration of the minimum woodwork knowledge and skills needed for and required by the industry for entry level employees are the focus of the numerous exercises students perform. Students will demonstrate safe use of portable power tools and industrial woodworking machinery while focusing on precision, detail, and accuracy. Units include layout, sawing, surfacing, boring, sanding and assembly. Time permitting students will have the option to complete a project of their choosing or a school project. This is a dual credit class and students will have opportunity to earn 2 college credits at no cost in addition to the WCA sawblade certificate.

Fundamentals of Construction – *Dual Credit MATC*

#8522 Grades: 10-12 Credit: 0.5 Prerequisite: 8500 Intro to Woods & Construction
Cost: Course fee $25

Course Description: This is a great course for students interested in the construction industry. Through hands-on activities, students will become familiar with techniques and tools used in construction industry. Students will demonstrate their skills as they complete a variety of projects, which include building a sawhorse, creating a corn hole game, and framing a wall. This is a Dual Credit course and allows juniors and seniors to earn 3 Madison College credits at no cost.

Information applicable to all welding classes:

Lab safety is the highest priority and is covered during the first 10 days of class. Students must complete the required safety curriculum and safety demonstrations; those who miss this required curriculum must decide to complete the safety concepts outside of class time.

Shielded Metal Arc Welding – *Dual Credit - MATC*

#8514 Grades: 10-12 Credit: 0.5 Cost: Course fee $25

Course Description: The Shielded Metal Arc Welding or ARC welding class is spent developing the manipulative skills necessary for producing high quality arc welding examples on steel in the common positions and joints used by industry following the MATC curriculum. Welding fundamentals, safety and welding procedures will be stressed. Other processes that are covered include: Oxygen-Fuel Cutting and Plasma Arc and other various cutting and grinding techniques and use of hand/power tools. This is a dual credit class and students will have opportunity to earn 2 college credits at no cost.

Gas Metal Arc Welding- *Dual Credit-MATC*

#8516 Grades: 10-12 Credit: 0.5 Cost: Course fee $25

Course Description: The Gas Metal Arc Welding or MIG welding is the most common form of welding. The class is spent developing the manipulative skills necessary for producing high quality welding examples on steel, stainless steel and aluminum in the common positions and joints used by industry following the MATC curriculum. The use of flux and metal core wire are also included along with CNC plasma cutting. Students will use prior knowledge of machine set up to perform more advanced welds in other positions not covered in the other courses. This is a dual credit class and students will have opportunity to earn 2 college credits at no cost.

Gas Tungsten Arc Welding

#8517 Grades: 10-12 Credit: 0.5 Prerequisite: 8514 Shielded Metal Arc Welding or 8516 Gas Metal Arc Welding Cost: Course fee $25

Course Description: Gas Tungsten Arc Welding (GTAW) or TIG welding of mild steel, stainless steel and aluminum will be covered in this class. The class is spent developing the manipulative skills necessary for producing high quality welding examples in the common positions and joints used by industry following the MATC curriculum.

Metal Fabrication- *Dual Credit-MATC*

#8518 Grades: 10-12 Credit: 0.5 Prerequisite: 8514 Shielded Metal Arc Welding or 8516 Gas Metal Arc WeldingCost: Course fee $35

Course Description: Students will be introduced to and demonstrate the equipment, operations, and techniques common to metal fabrication. Units include layout, cutting and bending, welding, and finishing. Time permitting students will have the option to complete a project of their choosing or a school project. This class is an opportunity for students to further refine and advance their welding and their metal working skills and is designed for the student who is serious about entering a field related to welding. Employability skills such as teamwork, problem solving, and quality workmanship will be developed through the projects. This is a dual credit class and students will have opportunity to earn 2 college credits at no cost.

Power & Transportation Technology

#8600 Grades: 9-12 Credit: 0.5 Requirement: Safety glasses Cost: Course fee $10 Student pays for any individual project replacement parts

Course Description: Ever wonder what makes a lawnmower run? Learn how to repair, troubleshoot, and rebuild small engines. Students will gain an understanding of the operation of the internal combustion engine. In addition to the theory of operation, students will perform disassembly, measuring, testing, diagnosis, repair, and reassembly of air-cooled engines. A large segment of time will be spent on small engines. After successfully rebuilding the "school engine" students will have an opportunity to "tune-up", perform maintenance, or rebuild an engine from home**.** Students will also explore other areas of power and transportation through a variety of learning activities, which may include pneumatics, hydraulics, alternative energy, electricity, mechanisms, space, and creative problem solving.

Car Care

#8602 Grades: 10-12 Credit: 0.5 Requirement: Safety glasses Cost: Course fee $10 Student pays for any individual project replacement parts

Course Description: Students currently enrolled in or have taken 8604 Intro to Auto; 8606 Auto Service; or 8610/8612 Advanced Auto are not eligible to take this course.

Owing a car can be expensive! In this hands-on course, students learn the skills needed to maintain and repair their own car and the types of service needed to make it last a long time. Students also learn how to talk with a mechanic to make sure they are getting the proper service at the right price. Units of study include buying and financing a car, ownership

responsibilities, automobile systems and parts, emergency preparedness, and preventative maintenance. This lab-based course is for both guys and girls whose knowledge of cars is limited. You do not have to have a car to take this class.

Information applicable to all automotive classes:
The Stoughton High School Automotive program is accredited by, and meets the program standards of, the National Automotive Technicians Education Foundation (NATEF). By completing the sequence of courses #8604, 8606 & 8610/8612 (listed below), students receive training that is relevant to the industry, are eligible to take Automotive Service Excellence (ASE) certification exams and broaden their career opportunities.

Introduction to Automotive Technology

#8604 Grades: 10-12 Credit: 0.5 Requirement: Safety glasses Cost: Course fee $10 Student pays for any individual project replacement parts

Course Description: In this course, students will learn how to take care of a motor vehicle, explore its basic components and operation and the service that is required to sustain it. Safety and appropriate tool usage is stressed. All are encouraged to explore this general overview course. Learn how to utilize hand and power tool to perform various tasks in car care. Units that will be covered are lubrication, cooling, tires, batteries, information in buying autos and many other maintenance operations involved in normal auto care. This course is a requirement for Automotive Diagnostics and Service.

Automotive Service & Diagnostics Technology

#8606 Grades: 10-12 Credit: 0.5 Prerequisite: 8604 Intro to Automotive Technology
Cost: Course fee $10 Student pays for any individual project replacement parts

Course Description: The student will learn diagnostic procedures involving the use of professional test equipment such as oscilloscopes, digital volt-amp-ohm meters, computer scan tools, precision measuring tools, and a variety of pressure, vacuum, leakage, temperature, and sound testing devices. There is as much theory as there is hands-on emphasis in this course. It is designed for the student seriously considering a career in some type of repair, engineering, or testing of automobiles and their systems.

Advanced Automotive Technology

#8610/8612 Grades: 11-12 Credit: 2.0 Prerequisite: 8604 Introduction to Automotive Technology, 8606 Automotive Service & Diagnostics Technology Requirement: Safety glasses
Cost: Course fee $10 Student pays for any individual project replacement parts

Course Description: This course is designed for the student that has chosen to pursue a career in Automotive Technology or a related field or has a high interest in the advanced study of the Automobile. Course content includes: the auto service industry, advanced diagnosis and repair of engines and drivelines, steering and suspensions systems, cooling systems, lubrication system, ignition systems, fuel delivery systems, brakes, starting and charging systems and computerized controls. Students are encouraged to provide a vehicle for lab activities, but training stations are available. Hands-on learning accounts for 60% of class time. This class is scheduled for a two-hour block of time for one year in length. Students are encouraged to provide coveralls or protective clothing for lab activities.

WORLD LANGUAGE

Why take a World Language?

- Students can earn 12-16 free retro credits at some colleges by taking world language classes in high school.
- Students are more able to apply the thinking, organization and communication skills gained while learning a second language to other subjects and be more successful in their overall studies.
- Most colleges and universities recommend at least **2 years** of a second language for admission. Colleges without this requirement often give admission preference to students who have studied a language over those who have not.
- Learning another language develops skills required for today's workforce, which include critical thinking and problem solving.
- You are a more marketable **job candidate** if you can communicate with coworkers and customers from other parts of the world.
- Learning a language increases students ability to interact and work in a **global society**.

Students with a strong interest in world languages should consider careers in these Clusters:
*In today's global society, knowing another language will give you an edge in almost **ANY** professional path you choose. Of the **16** nationally recognized career clusters, here are a few that will benefit the most from the skills and knowledge gained through a World Language course.*

- Education and Training
- Government and Public Administration
- Health Science
- Hospitality and Tourism
- Human Services
- Law, Public Safety, Corrections, and Security

PLACEMENT TESTING:
Students with language experiences other than those offered through the Stoughton World Language program (i.e. family use of a language, transfers from other schools, study abroad, etc.) should consider a placement test to determine the appropriate level course to register for. To schedule a placement test, please contact Amber Little (World Language Department Coordinator) at (608) 877-5711 or amber.little@stoughton.k12.wi.us as soon as possible.

German 1
#6100/6101 Grades: 9-12 Credit: 1.0
Course Description: German 1 is an introductory course in which students will begin to practice meaningful communication in the German language. The course is structured around 4 thematic units: Personal Identity, School and Free time activities, the German Speaking World, and Family and Mealtime. Class will be conducted in German, with support provided. Students will be asked to do a variety of tasks in German using basic speaking, listening, reading, and writing skills. Students will explore global challenges in relation to the UN Sustainable Development Goals for 2030. As a class, we will investigate topics of inequality, health, education, poverty, and food shortage.

German 2
#6102/6103 Grades: 9-12 Credit: 1.0
Course Description: In German 2, students will review and build upon what they learned in German 1 by exploring thematic units. Class will be conducted in German, with support provided. Students will increase their communication fluency by practicing basic speaking, listening, reading, and writing skills in German. Students will explore global challenges in relation to the UN Sustainable Development Goals for 2030. As a class we will investigate topics of inequality, home life, communities around the world, travel and tourism, and shopping and sustainability.

German 3

#6104/6105 Grades: 10-12 Credit: 1.0 Prerequisite: 6102/6103 German 2

Course Description: In German 3, students will build upon the skills developed in German 1 and 2. Class will be conducted in German, with support provided, if needed. Emphasis will be placed on increasing fluency and ease of expression in the language through speaking, listening, reading, and writing in German. Students will explore global challenges in relation to the UN Sustainable Development Goals for 2030. As a class we will investigate topics of inequality, health, education, careers, and food culture and influential figures.

German 4

#6106/6107 Grades: 11-12 Credit: 1.0 Prerequisite: 6104/6105 German 3

Course Description: In German 4, students will work to refine and build upon the language skills learned in levels 1-3. Class will be conducted almost exclusively in German. Emphasis will be placed on increasing fluency and ease of expression in the language through speaking, listening, reading, and writing in German in several different contexts. Students will explore global challenges in relation to the UN Sustainable Development Goals for 2030. As a class, we will investigate topics of relationships, inequalities, political conflicts, and technology.

AP German Language & Culture

#6112/6113 Grades: 12 Credit: 1.0 Prerequisite: 6106/6107 German 4

Course Description: The Advanced Placement Program® enables willing and academically prepared students to pursue college-level studies — with the opportunity to earn college credit, advanced placement, or both — while still in high school. AP Exams are given each year in May. Students who earn a qualifying score on an AP Exam are typically eligible, in college, to receive credit, placement into advanced courses, or both. AP German Language and Culture course emphasizes communication (understanding and being understood by others) by applying interpersonal, interpretive, and presentational skills in real-life situations. This includes vocabulary usage, language control, communication strategies, and cultural awareness. The AP German Language and Culture course strives not to overemphasize grammatical accuracy at the expense of communication. To best facilitate the study of language and culture, the course is taught almost exclusively in German.

This course is structured around the AP Themes (Beauty and Aesthetics, Contemporary Life, Families and Communities, Global Challenges, Personal and Public Identities, and Science and Technology) and the global challenges in relation to the UN Sustainable Development Goals for 2030. As a class, we will investigate topics of inequality, technology, climate change and the environment, and food shortage.

Spanish 1

#6200/6201 Grades: 9-12 Credit: 1.0

Course Description: Spanish 1 is an introductory course in which students will begin to practice meaningful communication in the Spanish language. The course is structured around 4 thematic units: Personal Identity, School and Free time activities, The Spanish Speaking World, and Family and Mealtime. Class will be conducted in Spanish, with support provided. Students will be asked to do a variety of tasks in Spanish using basic speaking, listening, reading, and writing skills. Students will explore global challenges in relation to the UN Sustainable Development Goals for 2030. As a class, we will investigate issues of inequality, health, education, poverty, and food culture. If you speak Spanish at home or took a class before, reach out to your counselor to see how you can test into another level.

Spanish 2

#6202/6203 Grades: 9-12 Credit: 1.0

Course Description: In Spanish 2, students will review and build upon what they learned in Spanish 1 by exploring thematic units. Class will be conducted in Spanish, with support provided. Students will increase their communication fluency by practicing basic speaking, reading, writing, and listening in Spanish. Students will explore global challenges in relation to the UN Sustainable Development Goals for 2030. As a class we will investigate topics of inequality, home life, communities around the world, travel and tourism, and shopping and sustainability. If you speak Spanish at home or took a class before, reach out to your counselor to see how you can test into another level.

Spanish 3

#6204/6205 Grades: 10-12 Credit: 1.0 Prerequisite: 6202/6203 Spanish 2

Course Description: In Spanish 3, students will build upon the skills developed in Spanish 1 and 2. Class will be conducted in Spanish, with support provided, if needed. Emphasis will be placed on increasing fluency and ease of expression in the language through speaking, listening, reading, and writing in Spanish. Students will explore global challenges in relation to the UN Sustainable Development Goals for 2030. As a class we will investigate topics of inequality, health, education, careers, food culture, and influential figures.

Spanish 4

#6206/6207 Grades: 11-12 Credit: 1.0 Prerequisite: 6204/6205 Spanish 3

Course Description: In Spanish 4, students will work to refine and build upon the language skills learned in levels 1-3. Class will be conducted almost exclusively in Spanish. Emphasis will be placed on increasing fluency and ease of expression in the language through speaking, listening, reading, and writing in Spanish in several different contexts. Students will explore global challenges in relation to the UN Sustainable Development Goals for 2030. As a class, we will investigate topics of relationships, inequalities, political conflicts, and technology.

AP Spanish Language & Culture

#6212/6213 Grades: 12 Credit: 1.0 Prerequisite: 6206/6207 Spanish 4

Course Description: The Advanced Placement Program® enables willing and academically prepared students to pursue college-level studies — with the opportunity to earn college credit, advanced placement, or both — while still in high school. AP Exams are given each year in May. Students who earn a qualifying score on an AP Exam are typically eligible, in college, to receive credit, placement into advanced courses, or both. The AP Spanish Language and Culture course emphasizes communication (understanding and being understood by others) by applying interpersonal, interpretive, and presentational skills in real-life situations. This includes vocabulary usage, language control, communication strategies, and cultural awareness. The AP Spanish Language and Culture course strives not to overemphasize grammatical accuracy at the expense of communication. To best facilitate the study of language and culture, the course is taught almost exclusively in Spanish.

This course is structured around the AP Themes (Beauty and Aesthetics, Contemporary Life, Families and Communities, Global Challenges, Personal and Public Identities, and Science and Technology) and the global challenges in relation to the UN Sustainable Development Goals for 2030. As a class, we will investigate topics of inequality, technology, climate change and the environment, and food shortage.