

CHILTON HIGH SCHOOL

2014 - 2015

COURSE DESCRIPTION

&

REGISTRATION GUIDE

NOTICE OF NON-DISCRIMINATION POLICY

It is the policy of the School District of Chilton that no person shall, on the basis of sex, race, color, national origin, ancestry, creed, pregnancy, marital, paternal status, sexual orientation or physical, mental, emotional or learning disability, or other criteria established by the government of the United States of America or the State of Wisconsin, be denied admission to any school or be denied participation in nor the benefits of or be discriminated against in any class, program, or activity and in employment. All Career & Technical Educational opportunities adhere to the District's policies of non-discrimination.

Specific complaints of alleged discrimination should be referred to:

Pam Schuster, Principal
Chilton Elementary School
421 Court Street
Chilton, WI 53014

Or

Rich Appel, Principal
Chilton Middle School
421 Court Street
Chilton, WI 53014

Or

Ty Breitlow, Principal
Chilton High School
530 W. Main Street
Chilton, WI 53014

Or

Claire Martin, Superintendent
Public School District of Chilton
530 West Main Street
Chilton, WI 53014

A Message to Students & Parents

Dear CHS Students & Parents,

Welcome to the registration process for the 2013/2014 school year! The registration process is of primary importance to students as they engage in making school programming decisions, because those decisions may significantly shape the direction of their lives and career choices. Therefore, it is crucial that students follow all instructions carefully. This booklet is designed to assist students and their parents with that process.

We encourage students to be long-range planners. Students should use the tools and forms contained within this booklet to not only plan the courses in which they wish to enroll for next year, but also keep a watchful eye on what they have taken in the past and what they propose to take in the future. Students should keep their options open and develop a high school program that will allow them flexibility as they face future career decisions in an ever-changing world. Preparing well in high school increases the number of choices students will have as they explore the world of work, military and/or the colleges they wish to attend, be they 2- or 4-year university programs or 2-year technical associate programs.

Students should plan for courses in high school that will help them develop fully as a person. Academically, students should develop competencies in reading, writing, speaking, listening, mathematics, reasoning, and organized study. Students should seek core-curricular coursework as well as exploratory courses and extra-curricular activities that will assist them as they grow socially and emotionally. Finally, students should use every high school experience to grow to understand who they are as a person, what they value and why, and how these understandings of self will connect to the world and to others with whom they share their world.

General recommendations for a sound academic program in high school include 1) four credits of English; 2) three to four credits of Mathematics; 3) three to four credits of Science; 4) four credits of Social Studies; 5) and an additional four credits from one or more of the following curricular areas: foreign language, fine arts, computer science and other academic areas. Reviewing the pages that follow will provide students with more specific information about required courses, exploratory courses, how often they meet, their credit value, and recommended prerequisites. Some of the courses are term length courses while others meet for multiple terms.

We are here to serve students and provide for their needs as they make their journey through their high school experience. We welcome and are ready to help students and parents with any questions, concerns, or problems they may have regarding the registration process or their high school experience.

Respectfully yours,

Mr. Ty Breitlow, Principal
Chilton High School

Mr. Phil Graebel, School Counselor
Chilton High School

Courses of Study/Career Pathways & Clusters

Chilton High School will continue to incorporate the Career Clusters into the course selections. These tools, Courses of Study and Career Pathways are ways for students to group their required courses and electives into a coherent sequence in preparation for college and careers. Utilizing the 16 Career Clusters, students can identify pathways from high school to 2- and 4-year colleges, graduate school, and/or directly to the workplace. By connecting education to future goals, students are motivated to work harder and enroll in more rigorous courses.

The 16 Career Clusters are:



Almost all career possibilities can be found within the Career Clusters. Students at Chilton High School are encouraged to visit Chilton High School's Guidance website to view all of the CHS Pathways. Communicating career and educational goals to your School Counselor, Advisor, Teachers, and Parents, working with the WISCareers website at www.wiscareers.wisc.edu, exploring the 16 Career Clusters at www.careerclusters.org, and career pathways at www.wicareerpathways.org, can aid students in choosing relevant and applied coursework designed to meet their individual educational and career goals.

CORE AREA GRADUATION REQUIREMENTS CHECKLIST

Language Arts - 4 credits

English 9	1.0 credit
English 10	1.0 credit
English 11 OR AP English Language & Composition OR AP Literature & Composition	1.0 credit
English 12 OR AP English Literature & Composition OR AP Language & Composition OR Written Communication (Fox Valley Technical College dual-credit course)	1.0 credit

Social Studies – 4 credits

Early U.S. History OR AP USH & AP Government	1.0 credit
Recent U.S. History OR AP USH & AP Government	1.0 credit
American Government AND Economics (.5 credit ea.)	1.0 credit
Sociology OR Psychology OR Contemporary Affairs OR AP U.S. History/AP U.S. Gov't OR AP Psychology	1.0 credit

Math – 2 credits (prior to Class of 2017) / 3 credits (*required as of Class of 2017)

Intro to Algebra	1.0 credit
*Algebra (Common Core)	1.0 credit
*Geometry (Common Core)	1.0 credit
*Advanced Algebra II (Common Core)	1.0 credit
AMC I (scheduled to be retired at the end of 2015-16 school year)	1.0 credit
AMC II (will be called Pre-Calculus starting as of 2015-16)	1.0 credit
Calculus I	1.0 credit
Calculus II	1.0 credit

Science – 2 credits for graduation (prior to Class of 2017)/ *3 credits (as of Class of 2017)

Physical Science	1.0 credit
Biology	1.0 credit
Chemistry I (4 college credits available through Silver Lake College)	1.0 credit
Chemistry II (4 college credits available through Silver Lake College)	1.0 credit
Physics	1.0 credit
Science 360: Science Around U	1.0 credit
Energy: Conservation & Society	1.0 credit
Human Anatomy & Physiology (5 college credits available through Silver Lake College)	1.0 credit

Physical Education – 1.5 credits

9 th Grade Physical Education	0.5 credit
10 th Grade Physical Education	0.5 credit
Team Sports OR Weight Training OR Lifetime Fitness OR Waterworks: H2O 4 U OR Adventure Challenge OR Advanced Outdoor Adventure Challenge OR Functional Fitness Training	0.5 credit

Health – 0.5 credits

Healthful Living	0.5 credit
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Leadership – 0.5 credits

Personal Leadership	0.5 credit
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Financial Literacy – 0.5 credits (As of Class of 2018)

Personal Finance OR Survival Skills	0.5 credit
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Electives – 11.5 credits (Prior to Class of 2018) / 11 credits (As of Class of 2018)

GRADUATION CREDIT REQUIREMENTS

CHS GRADUATION REQUIREMENTS (up to Class of 2016)	
Language Arts	4.0
Social Studies	4.0
Mathematics *	2.0
Science	2.0
Physical Education	1.5
Personal Leadership	.5
Healthful Living	.5
Electives	<u>13.5</u>
<u>Total</u>	28.0

CHS GRADUATION REQUIREMENTS (as of Class of 2017)	
Language Arts	4.0
Social Studies	4.0
Mathematics	3.0
Science	<u>3.0</u>
Physical Education	1.5
Personal Leadership	.5
Healthful Living	.5
Electives	<u>11.5</u>
<u>Total</u>	28.0

GRADUATION CREDIT REQUIREMENTS (Cont'd)

CHS GRADUATION REQUIREMENTS (as of Class of 2018)	
Language Arts	4.0
Social Studies	4.0
Mathematics	3.0
Science	3.0
Physical Education	1.5
Personal Finance	.5
Personal Leadership	.5
Healthful Living	.5
Electives	<u>11.0</u>
Total	28.0

GRADUATION CREDIT REQUIREMENTS

To fulfill graduation requirements, students are encouraged to take a blend of courses that meet their career, college, and social needs. Your counselor, teachers, and academic advisors can assist you in making course decisions.

The following sequence of courses will provide for a comprehensive high school education and meet the requirements for a high school diploma.

SUGGESTED COURSE SEQUENCE

<p><u>Ninth Grade (8 credits)*</u> English 9 1.0 credit Algebra 1.0 credit Early U.S. History 1.0 credit Physical Science 1.0 credit Personal Leadership .5 credit 9th Grade Phy. Ed. .5 credit Electives 3.0 credits</p>	<p><u>Tenth Grade (8 credits)*</u> English 10 1.0 credit Geometry 1.0 credit Recent U.S. History 1.0 credit Biology 1.0 credit Healthful Living .5 credit 10th Grade Phy. Ed. .5 credit Electives 3.0 credits</p>
<p><u>Eleventh Grade (8 credits)*</u> English 11 OR AP English Literature & Composition OR AP English Language & Composition 1.0 credit Personal Finance OR Survival Skills Advanced Algebra 1.0 credit American Government .5 credit Science Choice 1.0 credit Economics .5 credit Physical Education .5 credit Electives 3.5 credits</p>	<p><u>Twelfth Grade (8 credits)</u> English 12 OR AP English Literature & Composition OR AP English Language & Composition OR Written Communications 1.0 credit Personal Finance OR Survival Skills Social Studies 1.0 credit Electives Up to 6.0 credits</p>

* Students in grades 9, 10, and 11, must carry 8.0 credits per year.

Career & Technical Education Opportunities

Parents and students should be aware that several opportunities in Career & Technical Education (CTE) are available to students at both Chilton Middle and High Schools. Many of these CTE opportunities are in the form of specific course work while others are experiential in nature. These CTE opportunities are included in the following subject areas:

Art	Business Technology	Computer Technology
Family & Consumer Ed.	Technology & Engineering	Agricultural Sciences
CHS Work-Study (Career Capstone Prerequisite)		

For more information regarding the district's CTE opportunities, please contact the Middle School Counselor at 920-849-9152 or the High School Counselor at 920-849-2358.

It is the policy of the School District of Chilton that no person shall, on the basis of sex, race, color, national origin, ancestry, creed, pregnancy, marital or paternal status, sexual orientation, or physical, mental, emotional or learning disability, or other criteria established by the government of the United States of America or the State of Wisconsin, be denied admission to any school or be denied participation in nor the benefits of or be discriminated against in any class, program, or activity and in employment. All CTE programs and opportunities adhere to the district's policies of non-discrimination.

Earn College Credit at Chilton High School!

Department	Course Title	9 th	10 th	11 th	12 th
Language Arts	English Language & Composition			✓ AP +	✓ AP +
	English Literature & Composition				✓ AP +
	Written Communication				✓ TC +
Math	Calculus I				✓ AP
	Calculus II				✓ AP
Science	Chemistry I			✓ DE	✓ DE
	Chemistry II			✓ DE	✓ DE
	Human Anatomy & Physiology				✓ DE
Social Studies	Human Geography	✓ AP	✓ AP	✓ AP	✓ AP
	US History/US Government		✓ AP +	✓ AP +	✓ AP +
	AP Psychology			✓ AP	✓ AP
	Psychology			✓ AS	✓ AS
	Sociology			✓ AS	✓ AS
Vocational Arts	Greenhouse Management & Landscape Design	✓ AS	✓ AS	✓ AS	✓ AS
	Small Animal & Veterinary Care	✓ AS	✓ AS	✓ AS	✓ AS

✓ Eligible year

+ Fulfills graduation requirement (AP US History/US Government may replace Early & Recent US History & American Government) (AP English Language may replace English 11 or 12)

(AP English Literature or Written Communication may replace English 12)

Advanced Placement Program (AP)

The Advanced Placement (AP) Program is a cooperative educational endeavor between secondary schools and colleges. AP courses expose high school students to college level material and give students the opportunity to show they have mastered the material by taking an AP exam. And, for around \$90 per AP Exam, colleges and universities may grant up to 10 credits, placement, or both to students who attained a level specified by the institution. College and university policies regarding AP grades are not consistent. Students seeking college credit through AP are advised to obtain the college's AP policy.

Chilton High School offers the following AP Courses; Calculus AB, Calculus BC, English Language &

Composition, English Literature & Composition, Government and Politics: United States, Human Geography, Psychology, and United States History. All students taking AP courses will be encouraged to take the corresponding AP exam.

Dual Enrollment (DE)

Dual Enrollment is a type of post-secondary education option, which allows an eligible high school student to take college or university courses that are taught by a credentialed high school faculty member on the high school campus mentored by a college or university faculty member. The course is transcribed on the sponsoring college's or university's transcript. Credits from Dual Enrollment may count for both high school graduation requirements and for a college's or university's required and/or elective credit. College and university policies regarding Dual Enrollment credits are not consistent. Students seeking college credit through Dual Enrollment are advised to verify earned credits will transfer to the institution and/or program they plan to attend.

Chilton High School offers the following Dual Enrollment Courses; Human Anatomy & Physiology, Chemistry, and Chemistry II through Silver Lake College. Any students paying application and tuition fees and earning a “C” grade or better will earn college credit.

Transcribed Credit (TC)

Fox Valley Technical College (FVTC) has established transcribed credit contracts with Chilton High School. Students complete a technical college course taught by a Wisconsin Technical College System certified transcribed credit high school teacher at their high school. Students’ grades are posted to a high school transcript and to an official technical college transcript where it is tabulated in the technical college GPA.

Chilton High School offers the following Transcribed Credit Course; Written Communication through Fox Valley Technical College. There is no fee to take these courses.

Advanced Standing (AS)

FVTC has established advanced standing agreements with Chilton High School. Students who complete a course designated as having Advanced Standing at their high school may receive credit from their high school and become eligible to receive advanced standing from WI technical colleges. All WI technical colleges will accept advanced standing from other technical colleges if the course competencies and credits are comparable. Students are eligible to receive technical college advanced standing credit if they successfully complete an advanced standing designated course, enroll in a technical college degree program and present appropriate documentation of the completion of the high school course. FVTC will make the final determination of the awarding of advanced standing.

Chilton High School offers the following Advanced Standing Courses; Psychology and Sociology through Fox Valley Technical College.

K-12 Schools/Colleges Alliance for Distance Education (KSCADE)

The KSCADE Network is comprised of area high schools, FVTC, Northwest Technical College (NWTC), and UW Fox Valley. Classes are two-way interactive full motion video and audio transmission. This distance learning network expands and enhances high school curriculum, and offers unique opportunities to students.

Chilton High School offers the following KSCADE Courses; German I & II, Intro to Criminal Justice, Careers in Criminal Justice, Medical Terminology, Intro to Forensic Science, General Music Theory, and more. There is no fee to take these courses if the student earns a passing grade and advanced standing and/or college credit may be earned.

Youth Options

If a junior or senior is interested in enrolling in a course that is not offered at Chilton High School, the student may elect to enroll in that or a similar course at a local college or university. Students must apply for approval by the Chilton Public School District Board of Education by March 1 (1st semester) and October 1 (2nd semester). Please see Mr. Graebel for details.

Independent Study

If a junior or senior is interested in enrolling in a course that is not offered at Chilton High School, the student may elect to complete coursework independently under the supervision of a faculty member. Please see Mr. Graebel for details.

LOW ENROLLMENT COURSES – STUDENT OPTIONS

A course considered having a lower than desirable number of interested students registered will be analyzed carefully. There is a strong possibility that low enrollment courses will be cancelled and considered for scheduling during a subsequent school year. Students who find themselves registered for a course considered for cancellation will be kept informed on a regular basis as to its status. It is at this time that students should begin considering alternative courses for which to register should their original choice be cancelled.

COURSE CHANGES

Since the administration staffs the school with teachers and orders equipment and supplies based on the number of students enrolled in each course, we will not make changes unless it is absolutely necessary. Therefore, you should regard your decisions as unchangeable.

Prior to making a request to change your classes, review the following guidelines which will be used to consider denial or approval of your request.

Requests will be considered when:

1. Physical limitations prevent you from participating in a class (doctor's excuse required).
2. You have a need to alleviate credit deficiencies.

Requests will be denied when:

1. Courses of interest are already filled and considered closed.
2. The course to be dropped has a minimum enrollment.

Prior to any program change requests being honored, a conference with the school counselor, affected teachers, building administration, and the student will need to take place. Parent's permission will be required of all program changes.

Students who are given permission to drop a course after the first (1st) week of the term a course begins will be given a failing grade for the course. Exigent circumstances may exempt some students from the policy.

In early summer our counselor notifies students and parents as to the summer days they will be available at the high school for final scheduling adjustments. Students also have scheduling conflicts, need a course change due to a previously obtained failing grade, or are new to the district are to schedule appointments with their counselor at these announced times.

CHILTON HIGH SCHOOL
COURSE OFFERINGS BY DEPARTMENT

IMPORTANT NOTE:

**Courses listed that include a “bracketed” “B”, e.g. (B),
are courses that may be taken for additional credit in the same school year. See course
description for more information**

APPLIED CAREER READINESS

0847 Career Capstone (1.0 cr.)

ART

0950 Drawing & Painting (1.0 cr.)
0960 Three Dimensional Art (1.0 cr.)
0961 Graphics & Design (1.0 cr.)
0963 Studio Arts (1.0 cr.)

BUSINESS TECHNOLOGY

Business Strand

0620 Accounting I (1.0 cr.)
0622 Accounting II (1.0 cr.)
0625 Hospitality & Tourism (.5 cr.)
0631 How to Start Your Own Business (.5 cr.)
0632 Taking Care of Business (.5 cr.)
0634 Principles of Marketing (.5 cr.)
0646 Personal Business & Finance (.5 cr.)

Technology Strand

0653 Digital Technologies (.5 cr.)
0651 Exploring Computer Science (1.0 cr.)
0668 Web-Page Design (.5cr.)
0672 Visual Basic Programming (1.0 cr.)

EDUCATIONAL AIDE

989A (B) Educational Aide (.25 cr.)

FAMILY & CONSUMER EDUCATION

0715 Basic Foods (.5 cr.)
0719 Advanced Foods (.5 cr.)
0718 Advanced Foods II (.5 cr.)
0720 Survival Skills for Seniors (.5cr.)
0733 Healthful Living (.5 cr.)
0727 Child Development I (.5 cr.)
0729 Child Development II (.5 cr.)
0728 SHARE (.5 cr.)
0730 Intro to Health Occupations (.5 cr.)

FOREIGN LANGUAGES

0535 Spanish I (1.0 cr.)
0536 Spanish II (1.0 cr.)
0538 Spanish III (1.0 cr.)
0539 Spanish IV (1.0 cr.)

LANGUAGE ARTS

0110 English 9 (1.0 cr.)
0120 English 10 (1.0 cr.)
0130 English 11 (1.0 cr.)
0140 English 12 (1.0 cr.)
0141 AP English Literature & Comp. (1.0 cr.)
0142 AP English Language & Composition
(1.0 cr.)
0146 Written Communication (1.0 cr.)
0150 Writing & Design I (1.0 cr.)
0152 Writing & Design II (1.0 cr.)

MATHEMATICS

0416 Intro to Algebra (1.0 cr.)
0410 Algebra (Common Core) (1.0 cr.)
0430 Advanced Algebra (Common Core) (1.0 cr.)
0420 Geometry (Common Core) (1.0 cr.)
0435 Advanced Math Concepts I (1.0 cr.)
0440 Advanced Math Concepts II (1.0 cr.)
0442 Calculus I (1.0 cr.)
0443 Calculus II (1.0 cr.)

MUSIC

0970 General Music Theory (.5 cr.)
0973 Symphonic Band (1.0 cr.)
0975 Stage Band (1.0 cr.)
0983 Mixed Chorus (1.0 cr.)
0985 Concert Chorale (1.0 cr.)

PHYSICAL ED

0900	9 th Grade Phy. Ed. (.5 cr.)
0902	Virtual Phy Ed. (.5 cr.)
0907	10 th Grade Phy. Ed. (.5 cr.)
904A (B)	Weight Training (.5 cr.)
905A (B)	Personal Fitness (.5 cr.)
906A (B)	Team Sports (.5 cr.)
908A (B)	Lifetime Fitness (.5 cr.)
909A (B)	Functional Fitness Training
0910	Waterworks: H2O 4 U (.5 cr.)
0912	Adventure Challenge (.5 cr.)
0913	Advanced Outdoor Adventure Challenge

SCIENCE

0312	Physical Science (1.0 cr.)
0325	Human Anatomy & Physiology (1.0 cr.)(5.0 SLC cr.)
0330	Chemistry I (1.0 cr.) (4.0 SLC cr.)
0332	Chemistry II (1.0 cr.) (4.0 SLC cr.)
0340	Physics (1.0 cr.)
0350	Biology (1.0 cr.)
0355	Science 360: Science Around U (1.0 cr.)
0356	Energy: Conservation & Society (1.0 cr.)

SOCIAL STUDIES

0250	Contemporary Affairs (1.0 cr.)
0218	Early U.S. History (1.0 cr.)
0228	Recent U.S. History (1.0 cr.)

0242	American Government (.5 cr.)
0245	Economics (.5 cr.)
0243	Sociology (1.0 cr.)
0246	Psychology (1.0 cr.)
0247	AP Psychology (1.0 cr.)
0251	AP Human Geography
0252	AP U.S. History/AP U.S. Government (2.0 cr.)

VOCATIONAL ARTS

0780	Woods Construction (.5 cr.)
789A (B)	Advanced Woods Construction (.5 cr.)
775A (B)	Residential & Agriculture Construction (.5 cr.)
0783	Metals (.5 cr.)
787A (B)	Advanced Metals (.5 cr.)
0769	Electricity (.5 cr.)
0770	Advanced Electricity (.5 cr.)
0776	Advanced Design - Drafting (.5 cr.)
0777	STEM: Introduction to Engineering Design (.5 cr.)
0778	STEM: Principles of Engineering (1.0 cr.)
0815	Animal Science (.5 cr.)
0817	Small Animal and Veterinary Care (.5 cr.)
0819	Horse Science (.5 cr.)
0827	Wildlife and Forestry (.5 cr.)
0828	Greenhouse Management & Landscape Design (1.0 cr.)
0833	Powers (.5 cr.)
0834A (B)	Advanced Power (.5 cr.)
0840	Personal Leadership (.5 cr.)

Additional Course Opportunities

Students who have unique academic needs or circumstances are encouraged to see the School Counselor to discuss those needs or circumstances. There may be resources outside of the confines of Chilton High School to help students find courses that will meet any unique academic needs and/or circumstances to include, but not necessarily limited to the following:

- i. K-12 Schools/Colleges Aligned for Distance Education (KSCADE)**
- ii. Advanced Placement Exam Opportunities**
- iii. Youth Options**
- iv. Independent Study**
- v. Dual Credit**

See the School Counselor as soon as possible to discuss your needs as many of the above options may have minimum requirements and/or application deadlines that must be strictly adhered to.

APPLIED CAREER READINESS

0847 CAREER CAPSTONE I (11 & 12) 2 Terms 1.0 Credit

Students must submit an application and be approved to enroll in this course.

Prerequisite: Instructor Permission (Submit Application) & Successful Completion of Career & Technical Courses in your chosen career area.

Are you unsure of your career plans after high school? Not sure about which Career Pathway you should pursue? Then this is the course for you! The Career Capstone course is a work-based learning program which is composed of both classroom time and on-the-job learning. In the classroom, students will have the ability to explore career pathways and post-secondary options in addition to learning tips for success in the workplace, communication skills, teamwork, and professionalism amongst other topics. Students and the instructor will work together to locate a training site that applies to the student's career interests where they will have the opportunity to learn and apply 21st century skills while on the job. Weekly work logs, work-site visits by the instructor and evaluations done by the employer will be included throughout this course.

Students will have the option to pursue Wisconsin's Employability Skills Certificate Program with the successful completion of state required competencies and the required work hours within one year.

0848 CAREER CAPSTONE II (11 & 12) 2 Terms 1.0 Credit

Students must submit an application and be approved to enroll in this course.

Prerequisite: Instructor Permission (Submit Application), Successful Completion of Career Capstone I & Enrollment in Wisconsin Youth Apprenticeship Program via Instructor.

After the successful completion of Career Capstone I, students may enroll in Career Capstone II with the Instructor's Permission. Career Capstone II enrolls students in the Wisconsin Youth Apprenticeship program. During this program, students will continue improving their skill sets obtained in Career Capstone I. This course provides work release time in addition to work-site visits and employer evaluations. Students must obtain the competencies as outlined in the Youth Apprenticeship program of their choice. There is no classroom portion to this course.

ART

0950 DRAWING AND PAINTING (9, 10, 11, 12) 1 Semester 1.0 credit

The main emphasis of the course will focus on various drawing media such as pencil (graphite and colored), pastels and charcoal using a variety of techniques. Painting will explore watercolor, acrylic and oil mediums focusing on realistic and abstract renderings.

By the end of the course the students will be able to:

- Improve their **drawing** skills with varying techniques such as: contour, gesture, perspective, value shading, crosshatching, pointillism, computer generated images.
- Gain experience with new and old materials such as: **scratchboard, pen and ink, charcoal, pastels, colored pencil** and combining medias.
- Demonstrate his/her ability to develop techniques of controlling and applying **acrylic or oil paint** such as: priming, blending, scumbling, hardedge, glazing, shading and combining acrylic or oil paint with other media.
- Demonstrate his/her ability to develop techniques of controlling and applying **watercolor paint** such as: mixing colors, dry brush, wet on wet, wet on dry, washes, reserving whites, scratching out, and combining watercolor and other media.

Course Fee: \$25.00 per year. Students will be required to buy additional materials.

0960 THREE DIMENSIONAL ART (9, 10, 11, 12) 1 Semester 1.0 Credit

Three-dimensional art will focus on and refine skills in hand built and thrown pottery, subtractive and additive sculpture (plaster, stone, metal, wood, clay, relief and found objects).

By the end of this course the students will be able to:

- Demonstrate their skill and craftsmanship in various procedures of building functional or decorative **ceramic forms** such as: slab, coil, press mold, casting, throwing and glazing.
- Understand the relationship of volume, mass, tension, space movement, texture, and line by creating additive and subtractive **sculpture:**
- Understand and demonstrate **jewelry/art metal** techniques such as: sawing, sanding, soldering on joining.

Course Fee: \$25.00 per year. Students will be required to buy any additional materials.

0961 GRAPHICS AND DESIGN (9, 10, 11, 12) 1 Semester 1.0 Credit

This course will encompass several areas of graphic media such as printmaking, design projects (commercial, collage and mosaics), and papermaking (combined with other media).

By the end of this course, the students will be able to:

- Extend and reinforce his/her knowledge of **printmaking** by successfully creating relief and drypoint printing techniques.
- Gain an awareness of various techniques used in graphic art and demonstrate their skills in **composition, illustration, and computer graphics**.
- Understand that design education includes skills in the design of environments, objects, information and experiences.

Course Fee: \$25.00 per year. Students will be required to buy any additional materials.

0963 STUDIO ARTS (10, 11, 12) 1 Semester 1.0 Credit

Prerequisites: Two previous high school art classes; B average in past art classes; previous experience in areas selected and consent of the instructor.

**If you have already taken Studio Art and would like to enroll in this class as an independent studio workshop, you may do so with permission of instructor.

Studio Arts is an advanced course concerned with enhancing and expanding the fine art portfolio of the student enrolled. Students will utilize a variety of high level 2-D and 3-D studio based media to create well-planned and thoughtful pieces of art to be used for themselves, or for college admissions and scholarships.

By the end of the course the students will be able to:

- Apply past knowledge gained in previous art courses to new experiences and art processes
- Develop their individual strengths in two selected art areas listed below:

Drawing	Ceramics
Color Drawing	Sculpture
Watercolor Painting	Jewelry
Acrylic Painting	Weaving/Textiles
Oil Painting	Papermaking
Graphic Design	Computer Graphics
Printmaking	

Course Fee: \$25.00 per year. Students will be required to buy any additional materials.

BUSINESS TECHNOLOGY

BUSINESS STRAND

0620 SURVEY OF ACCOUNTING I (10, 11, 12) - 1 Semester 1.0 Credit

Principles of Accounting will provide students an introduction to the basic concepts and general principles of modern accounting. A broad range of topics is emphasized rather than the recording process. Students will be introduced to financial statements, merchandising, accounting for cash, inventory, payroll, corporations, financial statement analysis, and budgeting.

0622 ACCOUNTING II (11, 12) – 1 Semester 1.0 Credit

Prerequisites: Accounting I with “C” Average

This second year course is specifically covers the recording process. It details and analyzes the basic principles of accounting in department and payroll accounting, accruals, depreciation, inventory and budget control, cost accounting, notes, taxes and computer applications. Students will continue automated accounting procedures, including the use of computers.

0625 HOSPITALITY AND TOURISM MANAGEMENT (10, 11, 12) 1 Term .5 credit

Prerequisite: Intro to Business

Have you ever wondered what it would take to run a hotel, restaurant or club? This course welcomes students into the exciting and diverse hospitality and tourism industry. While providing an understanding of the scope and complexity of the industry, the course covers key hospitality issues, management definitions, and career opportunities available in restaurants, hotels, beverages operations, sports venues, entertainment centers, cruise lines, and countless other hospitality and tourism business. Topics include introduction to management issues in all aspects of the hospitality industry, including human resources, customer service, operations, marketing, and planning. This course is an asset to any student interested in exploring career opportunities in the hospitality and tourism industry.

0631 HOW TO START YOUR OWN BUSINESS (10, 11, 12) 1 Term .5 credit

Prerequisite: Intro to Business

Entrepreneurship focuses on recognizing a business opportunity and developing the opportunity into a business. The controlling functions—accounting, finance, marketing, management—as well as legal and economic considerations are applied. Student responsibility and initiative are encouraged as business strategies are created, planned, and presented as a final product—a business plan for an actual business venture. Through the process of developing the business plan, students acquire skills necessary to operate a successful business. A good course for college bound Business majors.

This course helps student's gain an understanding of the business/marketing principles necessary to start and operate a business. Students will first learn basic economic principles related to business ownership. They will identify and assess common traits and skills found in entrepreneurs, explore business opportunities, and compare the risks and rewards of owning a business. The primary focus of the course is to help students understand the process of analyzing a business opportunity, determining feasibility of an idea utilizing research, developing a plan to organize and promote the business and its products/services, and finally, to understand the capital required, the return on investment desired, and the potential for profit.

0632 INTRO TO BUSINESS (9, 10, 11, 12) 1 Term .5 Credit

Prerequisites: None

Are you interested in understanding how business impacts your daily life? Taking Care of Business introduces students to various business topics and provides an overview of the world of business from an entrepreneurial (business owner) viewpoint. The intent of this course is to expose students to six general areas of business that could be explored as possible career areas. These areas include: Management, Human Resources, Marketing, Financial Management, Production and Operations, and Entrepreneurship. Students will examine business operations, develop consumer skills, explore employment opportunities, and recognize how business impacts their daily lives. This course is designed to help students understand their triple role in society as citizens, consumers and employees.

0634 PRINCIPLES OF MARKETING (10, 11, 12) 1 Term .5 Credit

Prerequisite: Intro to Business

The advertising and marketing industries' influence is ever present. Open a webpage, turn on a radio or television, walk outside and see a billboard, and the impact is clear. Advertising and marketing bring products and services into the public eye. Principles of Marketing is designed to introduce students to the knowledge and skills necessary for pursuing a career in any field of business. Students will be exposed to the role marketing plays in society and consumer motivation. Through guest speakers, business professional interviews, simulation activities and field trips, students will learn about market segmentation, product development, advertising and channels of distribution. Students will leave this course with a strong base to be competitive in the marketing field.

0646 PERSONAL FINANCE (11, 12) 1 Term .5 Credit

This will fulfill your financial literacy graduation requirement.

Designed for all students, Personal Business/Finance will explore the student's roles and financial responsibility as a student, citizen, family member, consumer, and employee. It will cover current research, laws, technology and personal investment strategies as they relate to an individual's finances. Topics include career strategies, money management, financial security, credit management, and consumer rights and responsibilities.

TECHNOLOGY STRAND

0653 DIGITAL TECHNOLOGIES (9, 10, 11, 12) 1 Term .5 Credit (Formerly Computer Applications)

Prerequisites: None

Upon completion of this course, students will have utilized essential digital technologies which will enable them to achieve computer literacy. These skills will be required across the curriculum in grades 9-12. Students will have a basic foundation in creating documents in word processing, spreadsheets, and Web 2.0 (Read/Write Web i.e. blogging, screen casting, and social networks). Students will also receive enrichment in using the Internet and computer consumer education.

0651 EXPLORING COMPUTER SCIENCE (9, 10, 11, 12) 1 Semester 1.0 credit

Prerequisite: none

This course is designed to introduce students to the field of computer science through an exploration of engaging and accessible topics. Rather than focusing the entire course on learning a particular software tool or programming language, this course is designed to focus on the conceptual ideas of computing and help students understand why certain tools or languages might be utilized to solve particular problems. Students will be able to develop computational practices, be able to problem solve more quickly, and create programs that are relevant to the lives of today's students. Students will also be introduced to topics such as interface design, limits of computers, and societal and ethical issues.

0668 WEB-PAGE DESIGN (9, 10, 11, 12) 1 Term .5 Credit

Prerequisites: None

Web-Page Design is a class offered to students who wish to develop their skills to develop and design basic websites. This course will introduce the methods and techniques of Web Design using HTML (HyperText Markup Language). Students will also learn to create websites, for various uses, The course will begin with some background information on web page design; including the history, copyright laws, and website evaluations. From there students will learn how to create and edit websites; work with text and hyperlinks; add pictures, animations, clip art, and files; format lists; position objects; design feedback forms; design a website structure; and create a personal website. Students will work on overall site design by adding navigation bars, applying and customizing a theme, and previewing and testing the website. The course will stress good design, function, and presentation skills.

EDUCATIONAL AIDE

989A (B) EDUCATIONAL AIDE (11, 12) Single Term .25 Credit

Prerequisites: None

Any student may work as an Educational Aide as a peer tutor, or in the main office, library, guidance center, AV and Media area, learning center, special education room, or classrooms. There is a great need for students to assist in these areas. When schedules come out, you will be assigned a block for which you will be an educational aid for a staff member. You may be an educational aid for no more than two terms in one school year. The credits which you earn throughout all four years of high school count as elective graduation credits. See your counselor for further information.

FAMILY AND CONSUMER ED

0715 BASIC FOODS (9, 10, 11, 12) 1 Term .5 Credit

Prerequisites: None

This is a one-term course open to any student, one time only! This course may only be taken once and is a prerequisite for Advanced Foods. You must earn a B or better in Basic Foods to enroll in Advanced Foods. At the completion of this course students will demonstrate basic kitchen principles and kitchen math skills. They will demonstrate how to safely use, clean, and store small kitchen appliances, practice a variety of cooking techniques and prepare recipes including meats, salads, quick breads, vegetables and desserts.

Course Fee: \$20.00

0719 ADVANCED FOODS I- (10, 11, 12) 1 Term .5 Credit

The “Second Course” to Basic Foods

Prerequisite: B average or higher in Basic Foods.

Taking you one step further, this course will introduce you to the food service industry, hospitality and culinary arts. Advanced Foods I will explore advanced cooking methods and creative culinary techniques while adding new cooking skills. Students will be introduced to culinary terminology, nutrition, food science, food safety and sanitation, knife skills, garnishing, plate presentation and new culinary trends. This course is designed for those who love art, who love to create or who just love to eat.

Course Fee: \$25.00

0718 ADVANCED FOODS II—Professional Cooking and Hospitality (11, 12) 1 Term .5 Credit

Prerequisite: Advanced Foods I

Ever thought of a career in hospitality or the food service industry? Maybe you would like to manage a restaurant or a golf course? Whether you would like to work front of the house or back of the house, or just want to enhance your current skills this course is designed to take you to the next level. Professional Cooking and Hospitality will focus on culinary skills, business math, customer service skills, communicating with the customer, restaurant food safety and sanitation, recipe conversions, international cooking, food costing, menu development, specialty meals, food styling and display. A chef coat will be provided or you may purchase your own.

Course Fee: \$25.00

0733 HEALTHFUL LIVING (10) 1 Term .5 Credit – Required Course-10th Grade

This is the final required course in the Human Growth and Development series. This course will be counted for freshmen and transfer students who have not fulfilled the DPI's requirement of .5 credit of Health. The main emphasis of this course is to help the students understand the complexity of the family and how it is formed, maintained and improved. It is concerned with the development of adult responsibility with the understanding that sexuality is a part of the individual's personality and that it contributes to creative drives and abilities and helps to distinguish the personas of an individual. Sound scientific knowledge will be taught concerning every aspect of human sexuality so that students will be able to make wise decisions. If parents do not wish their children to attend periods during which sensitive issues are discussed including homosexuality, contraception, abortion, and family planning, they may have these children excused by completing the form provided for this purpose.

Students thus excused are to be scheduled in study halls during the times of their absence at no penalty. The central issue woven throughout this course centers on the family with the assumption that students will be enabled to formulate intelligent decisions regarding marriage and family life.

At the end of this course students will be able to:

- Analyze their personality to “realize” who they are
- Write goals and benefits from community involvement
- Demonstrate techniques of effective communication
- Become a more educated/responsible decision-maker
- Analyze the need for strong families
- Explain the difference between sex and sexuality
- Examine the consequences of sex
- Become familiar with help available to families in time of crisis
- Examine responsibilities which go along with parenting

0727 CHILD DEVELOPMENT (11, 12) 1 Term .5 Credit

This course is offered to juniors and seniors who have successfully completed Sophomore Healthful Living. It specializes in the area of childcare and development. The major areas of study for this class are;

- Children and Parenting
- Pregnancy and Childbirth
- The Baby's 1st Year
- The Child ages 1-3
- The Child ages 4-6
- Child Care Options
- Careers in Childcare

At the end of this course students will be able to:

- Understand the demands of parenthood
- Understand the importance of proper child-care
- Know the state standards for running a licensed day care
- Understand the importance of age appropriate toys as they relate to safety and education
- Explain the stages of development in children and the importance of each stage
- Prepare nutritious meals suitable for children of various ages
- Explore careers working with Children
- Hands-on experiences in Chilton Elementary School's 4K and 5K programs
- Potential hands-on experience in upper elementary and/or middle school programs

A minimum of 12-15 hours of field service in our local elementary and middle school classrooms will be required.

0720 SURVIVAL SKILLS (11 & 12) 1 Term .5 Credit

Course Fee: \$10.00

This course along with Personal Finance are your two options for your financial literacy graduation requirement.

This course is offered to Junior & Seniors only. The primary focus is to teach students how to "Take Charge of Their Life" through the simulation of life skills. Students will learn how to transition into independent living.

Emphasis will be based on:

- Values and Goal Setting
- Rights and Responsibilities
- Consumer Protection
- Decision Making
- Career Development
- Housing Options

- Transportation
- Personal Finance – Budgeting, Saving and Investing
- Insurance
- Credit
- Clothing Care
- Food and Nutrition

0728 S.H.A.R.E (11, 12) 1 Term .5 credit

The **S.H.A.R.E.** program is a unique innovative experience through which special education students are teamed with regular education students to develop positive peer relationships and gain knowledge and skills through participation in activities focused on daily living and personal growth. The **S.H.A.R.E.** program focuses on *Students Helping, Accepting, Relating, & Empowering* others to succeed.

Regular education student(s) are partnered with student(s) with cognitive disabilities. Students in the **S.H.A.R.E.** program cooperatively develop and teach units for the class. The regular education students plan appropriate goals, objectives, activities and learning experiences for the teaching units. The student(s) become the teacher. Guest speakers and community-based outings are encouraged. Typical student led units include personal grooming, interpersonal communications, kitchen safety, money management, and job skills.

Regular education students enrolling in this program must be of junior or senior status and apply for the program.

0730 INTRO TO HEALTH OCCUPATIONS (11, 12) 1 Term .5 credit

Prerequisite: Healthful Living and/or Biology

Are you interested in a health related field like nursing, physical therapy, sports medicine, massage therapy, or dietetics? Introduction to Health Occupations is designed to introduce students to the knowledge and skills necessary for pursuing a career in a health related field. Students will explore some of the many career opportunities in the health and medical field. Through job shadowing, guest speakers, health care professional interviews, simulation activities and field trips students will be exposed to basic concepts including confidentiality, legal responsibilities, infection precautions, and ethics and health care standards. Medical terminology will be introduced as it relates to disease, diagnosis and treatments and systems of the human body. Students will leave this course with core concepts and vocabulary used in a healthcare setting.

Students will develop competence in the National Health Care Skills Standards that serve as a foundation for occupations and functions across all health careers.

A must for any student interested in a Health Services career or any student thinking about a possible career in Health Services.

Requirements: minimum 10 hours Field Experience

FOREIGN LANGUAGES

0535 SPANISH 1 (9, 10, 11, 12) 1 Semester 1.0 Credit

Spanish 1 is an introduction to the Spanish language and Hispanic culture. Students will be introduced to basic grammatical structures and beginning vocabulary. Emphasis is on beginning level oral and written communication skills. Students will begin to explore and experience the Hispanic culture. A good understanding of the English language and grammar is helpful.

0536 SPANISH 2 (10, 11, 12) 1 Semester 1.0 Credit

Spanish 2 is a continuation for students who have completed Spanish 1. Skills in listening, speaking, reading and writing are further developed. Increased vocabulary and expanded grammar concepts will be explored. Students will continue to explore and experience the Hispanic culture.

0538 SPANISH 3 (11, 12) 1 Semester 1.0 Credit

Students who have completed Spanish 2 will further develop their language skills and study more advanced grammatical concepts. They will be introduced to literature with related writing practice. Cultural awareness is incorporated in the readings and special projects.

0539 SPANISH 4 (11, 12) 1 Semester 1.0 Credit

Students who have completed Spanish 3 may take Spanish 4. Grammar will be reviewed and further developed with focus on improving language usage. Students will continue to study Spanish literature, culture and history via projects, literature and media.

Any Spanish student is able to increase their awareness of the Hispanic culture by participating in Spanish Club.

LANGUAGE ARTS

All students are required to take a minimum of 4 credits of English.

0110 ENGLISH 9 (9) 1.0 Credit

English 9 expands each student's language and communication skills in reading, writing, and speaking. Upon completion of the course, students will be able to respond to literature (short stories, nonfiction, novels, drama, and poetry) on three levels: literal, interpretative, and personal. By incorporating the writing process, students will integrate cooperative learning into assignments across the curriculum. Writing skills will be enhanced through studying grammar, sentence and paragraph structure, standard English usage, and mechanics. Critical thinking skills will be developed while preparing and writing the following types of assignments: descriptive, narrative, expository, and persuasive. An awareness, understanding, and sensitivity will be gained as students feel more at ease speaking before groups, as well as interpreting non-verbal communication.

0120 ENGLISH 10 (10) 1.0 Credit

Prerequisite: Sophomore standing and successful completion of English 9

The focus of this course is to develop students' awareness and use of rhetoric as both a critical reader and communicator. Students will compose several pieces of writing that incorporate research (MLA formatting) and integrate technology into the writing process on a daily basis. Presentation of written work will fulfill the public speaking portion of the course. Writing content, whether literary analysis or persuasive in nature, will focus on claims and counterclaims that are supported and cited through the text. Mentor texts will include short stories, novels, dramas, and seminal U.S. documents.

0175 AMERICAN STUDIES (10) 2.0 Credits (1.0 Credit English and 1.0 Credit Social Studies)

Prerequisite: Successful completion of English 9 and Early US History

American Studies is a course that fulfills the 10th grade Social Studies and 10th grade English requirement. It is a class which focuses on specific themes throughout US History and literature from the same time periods. This class will be team taught by the English and Social Studies Departments. With a focus on critical thinking, coursework will include intense analysis of both history and literature. Students will develop their thoughts and ideas through discussion, writing, group work, projects, independent inquiry, and research. This class is recommended for students preparing for any AP level courses in English or Social Studies.

0130 ENGLISH 11 (11) 1.0 Credit

Prerequisite: Junior standing and successful completion of English 9 and English 10.

Students will improve their abilities to read closely, analyze text, make inferences, and support all claims and ideas with direct text support. Mentor texts include short stories, American and World dramas, novels, and seminal U.S. documents. Students will compose personal essays, persuasive essays, and literary analyses. Skill development will include integrating technology into the writing process, MLA formatting, thesis statement construction, developing claims and counterclaims, and correctly citing text.

***0140 ENGLISH 12 (12) 1.0 Credit**

Prerequisite: Senior standing and successful completion of English 9, English 10, and English 11 **OR** AP Language & Composition **OR** AP Literature & Composition.

Students will become self-directed readers and researchers after studying mentor texts and composing texts of their own in the style of other authors. Mentor texts will include American and World literature from the 18th-21st centuries (dramas, short stories, poems, novels, current op-ed columns, and current news releases). In literary analysis, students will learn how multiple themes work together to advance the plot of a story, and how characters' conflicts contribute to the advancement of plot. In research, students will self-select topics and articles, continue to master MLA formatting, and integrate a variety of sources into an argument-based research essay to support the claim(s) made by the students. Technology integration will be a daily tool in the classroom.

0141 AP ENGLISH LITERATURE AND COMPOSITION (11, 12) 1.0 Credit

[AP Exam Option is available for this course – please see instructor for more information]

Prerequisite: Successful completion of English 9, English 10, and an earned letter grade of an “A” in previous English course or “B” average with teacher recommendation.

This course includes intensive study of representative works from various genres and periods, concentrating on works of recognized literary merit and British Literature. Writing assignments focus on the critical analysis of literature and include expository, analytical and argumentative essays. Students will also write a research paper that reflects their depth of knowledge into a chosen topic and the ability to use research materials in an appropriate manner. Self-motivation is essential for success in this class, as intensive reading and writing will be required.

AP English Literature & Composition may be taken in lieu of English 11 as a junior or in lieu of English 12 as a senior.

0142 AP LANGUAGE AND COMPOSITION (11, 12) 1.0 Credit

[AP Exam Option is available for this course – please see instructor for more information]

Prerequisites: Successful completion of English 9 & 10, and an earned letter grade of an “A” in previous English course or “B” average with teacher recommendation.

Advanced Placement English Language and Composition is a freshman-year, college-level course culminating in students taking the AP exam, for which they may earn college credit. Students will work towards mastery in the following areas: analyzing and interpreting samples of good writing, identifying and explaining an author’s use of rhetorical strategies and techniques; applying effective strategies and techniques in their own writing; creating, synthesizing, and sustaining arguments based on readings, research, and/or personal experience; demonstrating understanding and effective use of standard written English as well as stylistic maturity in their own writings; writing in a variety of genres and contexts, both formal and informal, employing appropriate conventions; and moving effectively through the stages of the writing process, with careful attention to inquiry and research, drafting, editing, and review.

AP Language and Composition may be taken in lieu of English 11 as a junior or in lieu of English 12 as a senior.

0146 WRITTEN COMMUNICATION (12) 1.0 Credit

Prerequisite: Senior standing and successful completion of English 9, English 10, and English 11 **OR** AP English Literature and Composition **OR** AP Language and Composition.

This course is transcribed through FVTC.

Developing excellent communication skills is essential to academic and career success. Students in this course study the principles, strategies, and techniques of effective written, oral, and digital communication. This course will focus on developing writing skills through the writing process which includes prewriting, drafting and revising. Through a variety of writing assignments, students will learn to analyze audience and purpose, research and organize ideas, and format and design documents based on subject matter and content. The course will also develop critical reading and thinking skills through the reading and analysis of a variety of written documents. Students will be expected to give oral presentations and students will be using computers/technology on a daily basis.

0150 WRITING & DESIGN I (9, 10, 11, 12) 1.0 Credit

0152 WRITING & DESIGN II (9, 10, 11, 12) 1.0 Credit

Journalism is an elective course with a realistic application of writing skills in the production of the school newspaper. Students considering the course should be able to work independently, meet newspaper deadlines, and employ basic grammar skills. Students taking Journalism will produce the school newspaper every two to three weeks, as well as maintain the newspaper's website. The goals of this course are the following:

1. To familiarize students with the basic elements of newspaper researching, writing, and publishing
2. To provide students with an intense, realistic application of writing
3. To develop students' accountability and responsibility by meeting job-related deadlines
4. To provide a forum for student expression that promotes ethical journalism
5. To familiarize students with the purposes journalism serves in our society
6. To produce a quality newspaper

MATHEMATICS

0416 INTRO TO ALGEBRA (9, 10, 11, 12) 1 Semester 1.0 Credit

Students will learn problem solving strategies, general computational skills, geometric properties and the elements of a solid Algebra foundation. This class is designed to build on prior math skills to help prepare the student for Algebra followed by Geometry.

- **Students taking Intro to Algebra are to also sign up for Algebra (Common Core) at the same time.**

- **Note: Intro to Algebra will not count towards the graduation requirements as of the Class of 2017.**

0410 ALGEBRA (Common Core) (9, 10, 11, 12) 1 Semester 1.0 Credit

Prerequisites: None

Students will learn a variety of problem solving strategies, properties of numbers, computation skills, functions, and algebra based on the Common Core State Standards. This course is a prerequisite for all other mathematics courses, except for Intro To Algebra (0416). Algebra (CC) is a Chilton High School graduation requirement as of the Class of 2017.

0420 GEOMETRY (Common Core) (9, 10, 11, 12) 1 Semester 1.0 Credit

Prerequisite: Passing grade in both terms of Algebra (Common Core)

Students will learn geometric properties based on the Common Core State Standards. Information will be acquired, organized, and proven using exploration and logical reasoning. Topics include the properties of lines, angles, and polygons, congruence, area, volume, parallel lines, and introductory trigonometry. Geometry (CC) is a Chilton High School graduation requirement as of the Class of 2017.

0430 ADVANCED ALGEBRA (Common Core) (9, 10, 11, 12) 1 Semester 1.0 Credit

Prerequisites: Passing grade in both terms Algebra (Common Core) and Geometry (Common Core)

Students will learn advanced algebraic procedures, conic sections and functions based on the Common Core State Standards. Advanced Algebra is required for all students who plan to take Physics. Advanced Algebra is required for entrance to many colleges and universities, particularly U.W. system schools and will be a Chilton High School graduation requirement as of the Class of 2017.

- **Possession of a TI-83+ graphing or TI-84 (standard or silver) calculator is required for this college prep course.**

0435 ADVANCED MATH CONCEPTS I (10, 11, 12) 1 Semester 1.0 Credit

Prerequisites: Passing grade in both terms of Algebra II & Advanced Algebra.

Students will learn statistics, transformations, trigonometry, logarithms, probability, and data analysis along with proper use of a graphing calculator.

- **Possession of a TI-83+ graphing or TI-84 (standard or silver) calculator is required for this college prep course.**

0440 ADVANCED MATH CONCEPTS II (11, 12) Minimum Junior standing 1 Semester 1.0 Credit

Prerequisites: Passing grade in both terms of Advanced Math Concepts I

Students will learn analytic geometry, conics, advanced functions, limits, college-level trigonometry, and introductory calculus. Students interested in science, engineering, or mathematics as a college major are strongly advised to complete this class before graduation.

- **Possession of a TI-83+ graphing or TI-84 (standard or silver) calculator is required for this college prep course.**

0442 CALCULUS I (12) Minimum Senior Standing 1 Semester 1.0 Credit (fall semester preferred)
[AP Exam Option is available for this course – please see instructor for more information]

Prerequisites: Passing grade in both terms of Advanced Math Concepts I and II

Students will learn limits, derivatives, and integral calculus that are necessary to take the Advanced Placement Calculus AB test.

Possession of a TI-83+ graphing or TI-84 (standard or silver) calculator is required for this college prep course.

0443 CALCULUS II (12) Minimum Senior Standing 1 Semester, 1.0 Credit (spring semester only)
[AP Exam Option is available for this course – please see instructor for more information]

Prerequisite: Passing grade in both terms of Calculus I

Students will learn advanced calculus concepts that are necessary to take the Advanced Placement Calculus BC test.

Possession of a TI-83+ graphing or TI-84 (standard or silver) calculator is required for this college prep course.

0672 VISUAL BASIC PROGRAMMING (10, 11, 12) 1 Semester 1.0 Credit

Prerequisites: Algebra (I) and Geometry

At the conclusion of this course, students will be able to plan, design, write and debug programs using the Visual Basic programming language. These skills will provide the foundation for an object-oriented/event-driven approach to programming. The course will close with a final group project that will encompass the skills taught.

MUSIC

0970 GENERAL MUSIC/MUSIC THEORY (9, 10, 11, 12) – 1 Term .5 credit

General Music, 9-12, is a one term elective course. This course is designed for those students who wish to further their musical knowledge of the elements of music.

Course content includes the study and writing of scales; two, three, and four part harmony; chord progressions, musical form, two part counterpoint; music notation; arranging and transportation; composition; analysis; ear training with melody and harmonic dictation.

Class expenses: Students are required to purchase a music theory workbook and worksheets.

Course Mastery Skills Include: Major and Minor scale writing, harmonic analysis and performance on the keyboard, proper notation skills, harmonic and melodic dictation, and the ability to construct melodies and harmonic accompaniment.

0973 SYMPHONIC BAND (9, 10, 11, 12) 4 “Skinny” Terms 1.0 Credit

Symphonic Band is offered to all high school students who have satisfactorily completed intermediate band methods and are ready for advanced work. All students are required to participate in concert band, marching band, private lessons, pep band, conference group musical festival or clinics, and all concerts that are conducted by the music department. Class members are also encouraged to participate in solo and ensemble festival and special events and projects made available by the department. Students will be placed in this class with the permission of the Band Director Only. This is a full year course. At the conclusion of the year, students will be able to perform with expression and technical accuracy, a large and varied repertoire of instrumental literature.

Class Expenses: Students are required to purchase necessary music supply items, personal uniform needs, and lesson books as a class requirement.

Course Mastery Skills Include: All major and minor scales, arpeggios, and interval studies; applicable brass, woodwind, and percussion techniques; marching and maneuvering techniques; concert and clinic repertoire selections; and assigned lesson text materials.

0975 STAGE BAND (9, 10, 11, 12) 4 “Skinny” Terms 1.0 Credit

Stage Band is offered to all high school students who have an interest in jazz, rock, and dance music. Class instrumentation includes: saxophones, trumpets, trombones, bass, and rhythm guitars, drum set, and keyboard. Improvisation, chord studies, ensemble playing, along with listening to recordings, music theory, and jazz history are included in the course. Class size is limited to the above instrumentation, and auditions will be used to decide enrollment only if necessary. All students enrolling in the Stage Band must first be a member of the Symphonic Band. Students will be enrolled for this class with the permission of the **BAND DIRECTOR ONLY**. This is a full year course.

Classes Expenses: Students are required to purchase necessary music supply items, personal uniform needs, and lesson books and materials as a class requirement.

All students participating in music ensembles can expect to achieve a higher level of music performances at the conclusion of the year’s study.

0983 MIXED CHOIR (9, 10, 11, 12) 4 “Skinny” Terms 1.0 Credit

This course is open to all 9th – 12th grade students who wish to sing in a choir. There is no audition required to sign up for this choir. It gives emphasis to the enjoyment of singing choral literature from a variety of musical styles. It endeavors to develop attributes that make a person a productive member of any choral group: good rehearsal habits, proper vocal technique, music literacy, musical and personal maturity, and most importantly, an enhanced appreciation of music. Attendance at all rehearsals and concerts is required. Voice lessons will also be part of the curriculum for this class. Students in this course may also participate in solo and ensemble festival, special events and projects made available by the music department and extra-curricular vocal ensembles. This course will prepare students for more advanced choral music study.

Upon completion of this course, students will be able to sing level 3 music in 3-4 part harmony, accompanied and a cappella. Basic music theory skills, vocal technique and musicality will be covered through performance of varied genres of music. Cultural implications of music will also be discussed and understood.

0985 CONCERT CHORALE (10, 11, 12 – BY AUDITION ONLY) 4 “Skinny” Terms 1.0 Credit

This course is open to 10th, 11th, and 12th grade students through an audition process and with the permission of the Vocal Music Director only. This course will further develop the attributes of a productive choral singer – excellent rehearsal habits, advanced vocal technique, music literacy, musical and personal maturity and an appreciation for and understanding of music of all styles and genres. Attendance at all rehearsals and concerts is required. Voice lessons will be a part of the curriculum for this class. Students in this course may also participate in solo and ensemble festival, special events and projects made available by the music department and extra-curricular vocal ensembles.

Upon completion of this course, students will be able to sing level 4 music in 4-8 part harmony, accompanied and a cappella. Advanced music theory skills, vocal technique and musicality will be covered

through study and performance of varied genres of music. Cultural and society implications of music will be discussed and understood.

PHYSICAL EDUCATION

NOTE: Students may register for no more than two (2) Physical Education courses in the same school year.

0900 9th GRADE PHY. ED. (9TH grade only) 2 Skinny Terms .5 Credit

Students will be exposed to a variety of fitness activities. Emphasis will be placed on functional fitness, cardiovascular fitness and strength training. Other activities include team and individual sports that focus on teamwork and lifetime activities.

0907 10th GRADE PHY. ED. (10TH Grade Only) 1 Term .5 Credit

Students will be exposed to all things fitness. From learning proper technique, different lifts and the muscles they use, spotting, and proper use of the weight room, to learning different exercises to work on speed, power, endurance, flexibility and proper use of the fitness room. Fitness is the focus.

***0906A (B) TEAM SPORTS (10, 11 & 12) 1 Term .5 Credit**

To develop and improve skills and incorporate strategies and sportsmanship in team activities. Activities may include soccer, basketball, volleyball, floor hockey, softball, team handball, speedball, flag football, ultimate frisbee and utilization of the fitness center.

***904A (B) WEIGHT TRAINING (9, 10, 11, 12) 1 Term .5 Credit**

Prerequisite: **None**

To gain proper knowledge in proper use of the weight room and weight training techniques. Students will be challenged to push themselves to their full potential and motivated to continuously make gains throughout the course. Students will use teamwork, self-motivation and safety measures during this class to make it a positive and rewarding experience. In addition, this course is going to focus on individuals' foot speed, power, functional flexibility, performance technique, anaerobic endurance, cardiovascular endurance and agility while promoting goal setting and teamwork. Three days per week weight training and two days per week other functional fitness training.

***909A (B) FUNCTIONAL FITNESS TRAINING (9, 10, 11, 12) (2 "Skinny" Terms) .5 Credit**

Prerequisite: **None**

To gain proper knowledge in proper use of the weight room and weight training techniques. Students will be challenged to push themselves to their full potential and motivated to continuously make gains throughout the course. Students will use teamwork, self-motivation and safety measures during this class to make it a positive and rewarding experience. In addition, this course is going to focus on individuals' foot speed, power, functional flexibility, performance technique, anaerobic endurance, cardiovascular

endurance and agility while promoting goal setting and teamwork. Three days per week fitness training and two days per week weight training. **This class is being offered as a skinny and is strongly encouraged for all athletes.**

***0908A (B) LIFETIME FITNESS (10, 11, 12) 1 Term .5 Credit**

To introduce and develop skills beneficial in leading an active lifestyle. The student will be introduced to a variety of activities that can be used to maintain fitness for a life time. Activities could include racquet sports, biking, rollerblading, cross country skiing, snow shoeing, golf, archery, bowling, disc golf, and other activities that promote cardiovascular fitness, strength and functional fitness.

0913 ADVANCED OUTDOOR ADVENTURE CHALLENGE (10, 11, & 12) 1 Term .5 Credit

Prerequisite: ***MUST HAVE TAKEN ADVENTURE CHALLENGE 0912.***

If you enjoyed adventure challenge class and want to take it to the next level this is the class for you. We will review the 7 stages of adventure education along with the proper use and maintenance of climbing equipment, the skills of knot tying, belaying, and high element climbs. Other topics that may be covered: first aid and outdoor safety, camping skills and equipment use, map reading, compass and GPS use, orienteering /geo caching, canoeing and kayaking, fishing, board and card games. At the end of this class you will have an opportunity to demonstrate the skills you have learned on an *optional overnight camping trip to Devil's Lake state park in Baraboo WI*. A small fee will be required.

***Students desiring to take these courses for an additional .5 credit in the same school year should also register for the "B" option.**

0910 WATER WORKS: H2O 4 U (10, 11, & 12) 1 Term .5 Credit

Prerequisite: Pre-requisites for Life Guard certification: Must be 15 years of age by the end of the course, swim 300 yards continuously using (100 yards of front crawl, 100 yards of breast stroke, 100 yards of either breast stroke or front crawl, and swim 20 yards using front crawl or breast stroke, surface dive 10 feet, retrieve a 10-pound brick, return to surface and swim back 20 yards, exit the pool without using a ladder within 1 minute, 40 seconds.

Jump right in – the water's great! Students will experience lifetime aquatic activities that may include the following: Water fitness, Water Games, Water Kickboxing, Aqua Plates and Zumba, Snorkeling, and **Lifeguard skills.**

0912 ADVENTURE CHALLENGE: OUTDOOR PERSUIT OF FITNESS (10, 11, & 12) 1 Term .5 Credit

Prerequisite: Signed Liability Waiver form must be on file prior to starting the course.

Calling on the brave and adventurous! Are you ready to test your limits, to try new things? Or, do you want to just kick back and have fun soaring through the sky? Then maybe you should "*take the LEAP*" and sign

up for this course. Students will experience the low element challenge course, and the High element challenge course to include lead up activities and instruction on belaying techniques. From the rock-climbing wall to the “vertical playground,” the professionally designed climbing apparatus offers something to challenge everyone. Students in this course will be taught proper use and maintenance of climbing equipment as well as the skills of knot tying and belaying. Additional activities that may be included: mountain biking, snowshoeing, cross-country skiing, Frisbee golf and fitness center. As they say in the climbing world when everything is a go, “Climb on.”

SCIENCE

0312 PHYSICAL SCIENCE (9) 1 Semester 1.0 Credit

Physical Science is a two term course studying the physical laws of nature. The class will cover chemistry and physics. Topics of study include the classification, structure, and properties of matter, and patterns and interactions of matter during the chemistry term. During the physics term students will investigate motion, forces, energy, & heat. This course will prepare students for higher-level science courses in chemistry and physics.

0325 HUMAN ANATOMY & PHYSIOLOGY: (12) 1 Semester 1.0 Credit **Transcripted Credit with Silver Lake College: 5 credits**

Prerequisite: Students should have achieved at least a “C” or better in Biology for both terms. Students must have successfully completed one course of science beyond biology (Chemistry/Physics/Science 360) or be concurrently enrolled otherwise **consent of instructor** is required.

Human Anatomy & Physiology is a two term elective course offered for college or tech school bound seniors. Human Anatomy & Physiology is a course that familiarizes students with the basic concepts of human anatomy and physiology. The main focus will be the essential principles of each body system and their constant need to maintain homeostasis. It is important to note that there is a strong emphasis on laboratories, lab practicals, and the application of knowledge through the use of specimen dissections. Each student is expected to participate in all laboratory experiences as it will be part of the overall grade.

Upon completion of the course, students will:

- Have a strong understanding of human structure and function and its relationship with various medical related fields
- Be able to demonstrate mastery of: concepts, knowledge, and appropriate techniques used in many college laboratories and in some applied medical and veterinary professions

0350 BIOLOGY (10, 11, 12) 1 Semester 1.0 Credit

Prerequisite: Any student interested in enrolling in Biology as a Freshman MUST complete Physical Science FIRST with a “B-” or better and have the consent of the instructor.

Biology is a two term course designed to investigate living matter by exploring the organization and classifications of living systems, ecology, cell structure, evolution, and genetics. Students are introduced to the process of science through discussion, activities and laboratory experiences. Students are challenged to practice scientific procedures while stressing the importance of problem solving. There is an emphasis on the role biology plays in the lives of students in today's society and the everyday applications that can be made. Time will be spent applying biological concepts through the use of the Compass Learning Odyssey program, the Outdoor Education Center, various forms of technology and literacy activities.

0330 CHEMISTRY I (11, 12) 1 Semester 1.0 Credit
Transcripted Credit with Silver Lake College: 4 credits

Prerequisite: Algebra I and Biology. Sophomores must complete Biology first with a "C+" or better and have the consent of the instructor.

Chemistry is a two term course, which prepares students for post high school education. Students will be introduced to the structure, physical and chemical properties, and reactivity of common elements and compounds. Qualitative and quantitative laboratory experiments using Vernier LabQuests and sensors, traditional labs, and POGIL (Process Oriented Guided Inquiry Learning) activities will be used to teach and support the learning of chemistry concepts. Upon completion of this course, students will be able to practice safe laboratory procedures and techniques and apply chemical concepts for a better understanding of the chemical world around them.

0332 CHEMISTRY II (10, 11, 12) 1 Semester 1.0 Credit

Transcripted Credit with Silver Lake College: 4 credits

Prerequisite: Students must complete Chemistry I earning a "C" or better. Sophomores must meet this requirement and have consent of the instructor.

Chemistry II is a continuation of Chemistry I. The focus of this two term course is the introduction of advanced chemistry topics for students interested in science careers. Students will learn about solutions, equilibrium and reaction rates. Students will practice safe laboratory procedures and techniques as they investigate these topics.

Upon completion of this course, students should have a strong background in basic Chemistry concepts, should be able to successfully use a variety of laboratory techniques, should be able to apply chemistry concepts to everyday events, and will have been exposed to a variety of advanced Chemistry topics. For students pursuing a career in a science field, this course will help them identify specific interests and strengths which can be used to narrow the field of prospective careers.

0340 PHYSICS (11, 12) 1 Semester 1.0 Credit

Prerequisite: Advanced Algebra completed

Upon completion of Physics the student will be able to apply the mathematics of science (measurement, graphing, trigonometry, and problem solving) to understand the concepts of motion, forces, energy, optics,

and momentum. The student will be able to make measurements, collect and analyze data, and then draw conclusions.

0355 SCIENCE 360: SCIENCE AROUND U (10, 11, 12) 1 Semester 1.0 Credit

Interested students must complete an application prior to registration. 10th grade students may be allowed to take the course with instructor approval if Biology has been successfully completed.

Prerequisite: Successful completion of Biology and Advanced Algebra.

Do you enjoy solving problems? Do you like to work with a team? Have you ever wanted to conduct your own experiment on a topic you are interested in? In Science 360, you will use technology to develop literacy skills by reading, researching, discussing, and debating current scientific issues and research. 21st Century skills along with scientific processes will be explored through group and individual activities that will challenge your thinking and perceptions in order to solve a problem. You will plan, develop, and conduct an authentic scientific experiment of your choosing with the guidance of your instructors and possibly community. A final presentation of your research will be shared with your peers.

Students will be required to purchase their own textbook.

0356 ENERGY: CONSERVATION & SOCIETY (10, 11, 12) 1 Semester 1.0 Credit

Pre-requisite: Successful completion of Biology and Geometry

Energy: Conservation & Society will cover basic energy concepts to evaluate the wide variety of conservation and energy efficiency choices available to consumers. Students will determine how energy conservation can improve cost savings and the environment, as well as preserve our natural resources. In addition, students will investigate the sources of energy in Wisconsin and the United States with an emphasis on renewable resources. Students will examine the advantages, disadvantages, availability, and applicability of a variety of energy sources while exploring career opportunities in the energy field.

Pre-requisite: **Successful completion of Biology and Geometry**

SOCIAL STUDIES

0218 EARLY U.S. HISTORY 1 Semester 1.0 Credit

The students will explore the beginning, growth and development of the United States from the reasons for exploration through the Reconstruction period following the American Civil War.

Students will come to understand the international rivalries that led to the opening of America, the religious, political and societal diversity of the early colonies, the causes and effects, as well as key events during the Revolutionary War, and the breakdown of the first United States government.

Students will understand the issues in the creation of the U.S. Constitution and the currency of these issues today, the development of the two party system, the changing character of American political life under

Andrew Jackson, the expansion of the nation driven by the feelings of Manifest Destiny, and the politics, economics, and the ideologies that led to the Civil War.

0228 RECENT U.S. HISTORY 1 Semester 1.0 Credit

Students will investigate, review and analyze events in United States history from the conclusion of Reconstruction to the present. They will develop an understanding of the social, economic, political, and human factors that are interwoven through the history of the period. They will develop an understanding of the relationship between historical events and events occurring in the current time period, and understand how the past has shaped and influenced the United States today.

0250 CONTEMPORARY AFFAIRS (11, 12) – 1 Semester 1.0 Credit

The primary objective of this course is to develop an interest and an awareness of the events taking place in our contemporary world. Students will be encouraged to follow a variety of newsgathering media in order to obtain the information. They will also be required to assess and evaluate news events that will impact their personal lives, their family, American society and governmental structures around the world. Through the use of electronic media, newsprint, and class presentation, students will realize the impact current events have on their everyday world.

Course Goals:

- Students will identify various sources of contemporary events through television
- Students will identify various sources of contemporary events through newsprint
- Students will use the Internet to identify contemporary events of the past and present
- Students will investigate contemporary events for the impact they have on students, family, government, etc.

0242 AMERICAN GOVERNMENT (11, 12) 1 Term .5 Credit

Students will be able to identify the structural basis of our national, state, and local government. Building upon that base, students will develop their analytical and critiquing skills to work toward better government procedures and practices. Students will improve their skills of relating current government developments to their historical context.

0245 ECONOMICS (11, 12) 1 Term .5 Credit

Students will also develop an understanding of macroeconomics (the total picture) as well as microeconomics (sub-divisions including credit, taxes, investments). Upon completion of Economics, students will begin to analyze how the U.S. economy functions in theory according to the major economists as compared to how it functions in reality of everyday economic and political occurrences.

***0243 SOCIOLOGY (11, 12) 1 Semester 1.0 Credit**

This course is articulated with FVTC for advanced standing.

Sociology is a course that involves the study of human groups, cultures and social problems. Special emphasis will be placed on understanding the scientific method and its use in understanding and developing solutions to current problems. Upon completion of this course, students will be able to demonstrate a working knowledge of social conditions in past and present cultures, utilize the scientific method in understanding social problems, and develop a greater understanding of different cultures, current drug related issues, juvenile delinquency, current family situations, social classes, and crimes.

***0246 PSYCHOLOGY (11, 12) 1 Semester 1.0 Credit**

This course is articulated with FVTC for advanced standing.

This course includes various areas of common concern in the study of the individual and the individual's relationship with others. Special emphasis will be placed on understanding you and other people. Upon completion of this course, students will exhibit thorough discussion and writing insight into the following areas: the influence of psychology on daily life, interaction of body and brain in creating awareness of the world around you, intelligence and creativity, physical and emotional development, evaluation of personality, behavior disorders and treatments and group behavior. Students may choose to take the AP Psychology test after completing this course; however, some additional course study will be necessary.

***Students in the 11th and 12th grade may take either Sociology or Psychology but not both in the same year.**

0252 AP US History/AP U.S. Government & Politics (10, 11, 12) 2 Semesters 2.0 Credits

Prerequisite: None-Preference is given to seniors, then juniors, and then sophomores for the available seats. Computer and internet access at home is required.

The AP programs in U.S. History and U.S. Government & Politics are designed to provide students with the analytic skill and knowledge to deal critically with problems and issues in U.S. history, politics, and culture. The program prepares students for intermediate and advanced college courses by requiring them to meet the demands and standards of introductory college courses in U.S. History and U.S. Government and Politics. Students need to be prepared to read, write, and study at a college level while developing the skills and knowledge to pass the AP tests.

Notes:

1. *Successful completion of this course will fulfill the 11th Grade required American Government course.*
2. *Successful completion of the AP U.S. History test can result in six college credits and a successful U.S. Government and Politics test score can result in three college credits.*

3. **This is a KSCADE/Blended Learning Course.** The course will be taught in the KSCADE classroom for 50 minutes, with Chilton students spending the remaining 40 minutes working with the Chilton instructor. AP US History will be taught on M-W-F. and AP U.S. Government & Politics on T-R. The Blended Learning approach will require students to work outside of class on the internet, participate in online discussions, and submit assignments online.

0247 AP Psychology (11, 12) 1 Semester 1.0 Credit

The purpose of the Advanced Placement course in Psychology is to introduce students to the systematic and scientific study of behavior and mental processes of human beings and animals. Students are exposed to the psychological facts, principles, and phenomena associated with the major subfields within psychology. They will also learn about the ethics and methods psychologists use in their science and practice. The class is based on an introductory Psychology college course. Students need to be able to read, write and study at a college level, while understanding the course load to pass the AP test. This class will be a semester class, meeting every day for 90 minutes. It is the equivalent to 1 Social Studies Credit.

0251 AP Human Geography (9, 10, 11, 12) 1 Semesters 1.0 Credits

Prerequisite: None

The purpose of the AP Human Geography course is to introduce students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students learn to employ spatial concepts and landscape analysis to examine human socioeconomic organization and its environmental consequences. They also learn about the methods and tools geographers use in their research and applications.

**VOCATIONAL ARTS DEPARTMENT
(Agricultural & Technical)**

0780 WOODS (9, 10, 11, 12) 1 Term .5 Credit

Prerequisite: None

Course Fee: \$25.00 plus projects

The Woods course focuses on two basic areas of instruction: woodworking and construction. The course is designed around "hands on" projects. During the term students will be learning to use many of the power and hand tools, practicing safe work habits, as well as exploring related careers.

At the completion of the course students will be able to: (1) read print drawings and apply them to a project, (2) select quality stock, (3) make accurate measurements, (4) make a variety of cuts to size and design the wood, (5) assemble stock using fasteners, (6) apply finishes, and (7) explain the importance of safety and safety rules.

789A (B) ADVANCED WOODS (9, 10, 11, 12) 1 Term .5 Credit

Prerequisites: Woods 0780 **Course Fee:** \$25.00 plus projects

The Advanced Woods course covers many aspects of woodworking and construction. Students will follow the logical order of the design and construction process. You will prepare drawings, calculate material needs and costs, plan a production process, and apply your “hands on” skills to complete a final product.

When the course is complete students will be able to: (1) identify various wood products, (2) construct various woodworking joints, (3) use common terms related to woodworking and construction (4) define measurable quality standards, (5) develop construction practices basic to residential construction, and (6) plan and complete a woodworking project from start to finish.

775A (B) RESIDENTIAL & AGRICULTURE CONSTRUCTION (11, 12) 1 Term .5 Credit

Prerequisite: Advanced Woods 0789 **Course Fee:** None

Residential & Agriculture Construction is designed to help students prepare for a possible career in the field of construction. Students apply their previous knowledge to on-site residential construction. Throughout the year, students work together on “hands on” activities (layout and assembling walls, fasten and sheath trusses, siding and soffit, etc.) to build structures from the ground up.

At the completion of this course students will be able to: (1) design, plan, and apply basic building codes to a residential structure, (2) understand and apply construction practices to the erection of residential structures, (3) analyze subsystems within a home, such as plumbing, heating, and electrical wiring, (4) use safe work habits and practices in the construction field, and (5) explore career opportunities related to the construction field

0783 METALS (9, 10, 11, 12) 1 Term .5 Credit

Prerequisites: None **Course Fee:** \$25.00 plus projects

Metals Manufacturing is an introductory course representing the major areas of the metalworking industry. This course will cover the materials and processes commonly used in manufacturing to fabricate and produce products. Sheet metal fabrication, welding, machining, and heat treatment are a few of the major processes that will be included. Students will investigate the occupations related to manufacturing including Engineering, Tool and Die, Machining, Welding, Assembly, and Project Management.

Upon the completion of this course students will be able to: (1) utilize the equipment in the metal shop facility to produce a metals product using production methods, (2) incorporate concepts such as quality control, just-in-time production, and material management during “hands on” activities, (3) identify and demonstrate proper use of metal working equipment, (4) understand and apply blueprint reading, and (5) explain the importance of safety and safety rules.

787A (B) ADVANCED METALS (9, 10, 11, 12) 1 Term .5 Credit.

Prerequisites: Metals 0783

Course Fee: \$25.00 plus projects

This advanced course will provide students the ability to build on the knowledge and skills that they have learned to further their understanding of the various metal working operations. Students will build on their knowledge of the metal working equipment to develop projects of their choice.

At the completion of this course students will be able to: (1) Identify and set up the proper metal working equipment to use for individual projects. (2) Design a blueprint and plan for completing one or more projects of their choice (3) understand the importance of proper layout and measurement in metal working and (3) explain the importance of safety and safety rules.

0769 ELECTRICITY (9, 10, 11, 12) 1 Term .5 Credit.

Prerequisite: None

Course Fee: \$25.00 plus projects

The Electricity course is designed around the theory, practices, applications, and experiences in each area. Using a variety of electricity components students will create electricity projects through “hands on” projects. You will learn about the science of electricity. In addition, students will use small modules to complete residential wiring activities.

At the completion of this course students will be able to: (1) demonstrate various electrical connections and layouts required in residential wiring, (2) explain the basic electrical theory used in residential wiring, (3) apply the National Electrical code and standards as they apply to residential wiring.

0770 ADVANCED ELECTRICITY (9, 10, 11, 12) 1 Term .5 credit

Prerequisite: Electricity 0769

Course Fee: \$25.00 plus projects

Advanced Electricity will continue in complexity where Basic Electricity ended. Advanced projects in 120 – 240 volts, breaker boxes, low voltage (like doorbells), electric motors, and conduit wiring are examples of some of the project areas. The final project is called the “Master Board”.

At the completion of this course, students will be able to: (1) demonstrate various electrical connections and layouts required in residential wiring, (2) explain the electrical theory used in residential wiring, (3) apply the National Electrical code and standards as they apply to residential wiring.

0833 POWERS (10, 11, 12) 1 Term .5 Credit

Prerequisites: None

Course Fee: \$25.00

The course deals with home, recreation, and farm power equipment. The class will include the following topic areas: gas engines, diesel engines, power shop equipment, power lawn equipment, power house equipment, appliances, and unconventional power sources. The majority of class time is devoted to “hands on” projects focused around proper automobile maintenance.

At the conclusion of this course students should be able to: (1) understand tools, terms, practices, procedures, supplies, and safety for general power mechanics, (2) incorporate the knowledge gained into daily life skills, (3) perform preventive maintenance, trouble shooting, and repair in all power mechanic areas, (4) identify potential hazards in the home and farm power equipment.

Safety equipment, proper clothing, and access to an automobile are required to attend this class.

834A (B) ADVANCED POWER (11, 12) 1 Term .5 Credit

Prerequisite: Power 0833

Course Fee: \$25.00

The Advanced power mechanics course will expand on the topic areas covered in the power mechanics course. Students in the advanced power class will be able to apply the content learned in the power class to projects of their choice. Project examples include: roll bars, push bumpers, engine builds, suspension modifications, go-carts, lawnmowers, snowmobiles, and ATV's. 90 percent of class time will be hands on shop activities. Students are expected to have projects to work on for an entire term.

0776 ADVANCED DESIGN - DRAFTING (9, 10, 11, 12) 1 Term .5 Credit

Prerequisites: Introduction to Engineering & Design

Course Fee: None

Advanced Drafting & Design is a course that deals with varying aspects of drafting, design, and problem solving. This course will give introductions to sketching, hand drafting, two-dimensional drafting, three-dimensional modeling, blueprint reading, architectural design, and engineering assemblies to solve problems. Students successfully completing this course may be eligible to take the Certified SolidWorks Associate (CSWA) Exam.

At the completion of this course students will be able to: (1) identify differing drawing types, line types and their uses, drafting tools, and program commands (2) draft an object from a drawing, actual object, or list of plans/ideas (3) read a blueprint accurately (4) explain the important role of drafting and design in our society today (5) use their knowledge of design to solve mechanical and engineering problems.

For additional information on the CSWA exam please see the course instructor.

0777 STEM: INTRODUCTION TO ENGINEERING DESIGN (9, 10, 11, 12) 1 Semester 1 Credit

Prerequisites: None

Course Fee: None

Introduction to Engineering Design is a high school level course that is appropriate for 9th or 10th grade students who are interested in design and engineering. The major focus of the IED course is to expose students to design process, research and analysis, teamwork and communication methods, global and human impacts, engineering standards, and technical documentation. IED gives students the opportunity to develop skills and an understanding of course concepts through applied, project, and problem-based learning.

Students will employ engineering, mathematic, and scientific concepts in the solution of engineering design problems. In addition, students learn use industry standard SolidWorks design software to help them design solutions to solve proposed problems. Students will develop problem-solving skills and apply their knowledge to research, design, and create solutions to various challenges that increase in difficulty throughout the course. Students will also learn how to research and design projects, document their work, and communicate their solutions to group of their peers.

0778 STEM: PRINCIPLES OF ENGINEERING (10, 11, 12) 1 Semester 1 Credit

Prerequisites: Prerequisites: IED 0777 or Instructor Approval

Course Fee: None

Principles of Engineering is a high school-level survey course of engineering that exposes students to the major concepts they will encounter in a postsecondary engineering course of study. Students will have an opportunity to investigate engineering and other high tech careers, and to develop skills and understanding of course concepts through applied project, and problem-based learning. Using a team collaboration approach, AP-PB learning challenges students to continually hone their interpersonal skills, creative abilities, and problem solving skills based upon engineering concepts.

Students will employ advanced level engineering, mathematic, and scientific concepts in the solution of engineering design problems. Students will also document their work and communicate their solutions and present them for review to their peers and members of the professional community. The underlying purpose of this course is for students to develop strategies to become independent learning, and to gain skills for this 21st century in preparation to be college and career ready.

0815 ANIMAL SCIENCE (9, 10, 11, 12) 1 Term .5 Credit

Prerequisite: None

The Animal Science course focuses on large animals for production. Animals discussed are dairy cattle, beef cattle, swine, sheep, goats, and poultry. Areas of study include identification of breeds, nutrition, reproduction, health care, disease prevention, housing, management of facilities, and career possibilities. At the completion of this course, students will be able to:

- Identify and describe characteristics of specific animal breeds
- Describe the purpose and uses of production animals

- Explain safety, when working with productivity animals

0817 SMALL ANIMAL VETERINARY CARE (9, 10, 11, 12) 1 Term .5 Credit

This course is articulated with FVTC for advanced standing.

Prerequisite: None

Small Animal Veterinary Care is a course designed for the everyday pet owner who is interested in learning more about his or her companion animals and basic veterinary care. Some of the animals discussed in this course include dogs, cats, rabbits, rodents, fish, and birds. Many hands on activities in this course include giving shots, applying first aid techniques, wound wrapping, feeding, cleaning pet cages, trimming toe nails, performing health inspections, grooming techniques and training methods of pets. Other areas of study include responsibilities of being a pet owner, nutrition, reproduction, housing, handling pets, disease prevention, and health care.

At the completion of this course students will be able to:

- Explain the purpose, use and value of companion animals
- Perform first aid techniques on pets, including injections, wound wrapping
- Identify health problems and diseases of pets
- Discuss the pet store/sales market and euthanasia
- Demonstrate responsible pet ownership and care
- Train rats with positive reinforcement methods

If you are a junior or senior interested in pursuing Madison Area Technical College's Laboratory Animal Technician Certificate Program as an Independent Study please see the Ag Instructor.

0819 HORSE SCIENCE (9, 10, 11, 12) 1 Term .5 Credit

Prerequisite: None

The horse industry is continuously growing and changing with the trends of society. Horses will be discussed in terms of riding techniques, training, veterinary care, breed identification, and tack care. Students will have the opportunity to use the Kentucky Equine Research nutrition-rationing program to formulate feeds for horses. Hands on activities include properly cleaning tack, creating a balanced diet, and proper grooming techniques.

At the completion of this course, students will be able to:

- Formulate diets and determine if they are balanced
- Demonstrate how to properly handle horses
- Describe the facilities and equipment necessary to raise horses
- Trouble shoot health problems of horses and determine treatment

0827 WILDLIFE AND FORESTRY (9, 10, 11, 12) 1 Term .5 Credit

Prerequisite: None

Students in Wildlife and Forestry will concentrate on the preservation of wildlife, their habitat, and challenges faced by wildlife and the forest industry. Wildlife species will be discussed in detail including bears, wild dogs, wild cats, game birds, waterfowl and small fur-bearing animals. Forestry topics will center on tree identification, management of a forest, the Great Forest Fires, career opportunities, and the problems encountered by insects and diseases in Wisconsin forests. Hands on activities in this course will include doing a fish taxidermy, tree species identification and determining timber volume estimates.

At the completion of this course students will be able to:

- Identify wild game, bird and fish species
- Complete a fish taxidermy
- Discuss challenges faced by wildlife due to their decreasing Habitats
- Explain current employment opportunities in the industry
- Debate how harvest techniques can be positive and negative on wildlife
- Discuss how to solve problems such as the gypsy moth in Wisconsin forests.

***0828 GREENHOUSE MANAGEMENT & LANDSCAPE DESIGN (Plant Science I) (9, 10, 11, 12)
2 TERMS 1 Credit**

This course is articulated with FVTC for advanced standing AND provides science equivalency credit at the high school.

Prerequisite: None

The Greenhouse Management & Landscape Design Course is designed to cover topics that apply to anyone with an interest in plants. Areas of study include identifying houseplant species, flower identification, growing mediums, and propagation methods. Students will learn the basic principles of design and landscape plant requirements, in addition to creating their own home landscape projects. *Working in the Greenhouse “hands on” is a large part of this course!*

At the completion of this course students should be able to:

- Identify houseplants, bedding plants, vegetables and flowers
- Discuss principles of the plant life cycles
- Trouble shoot problems of plants including insect infestation and diseases
- Demonstrate the proper procedure for planting and transplanting plants
- Explain career opportunities available in the greenhouse industry
- Identify landscaping plants and explain their growth requirements
- Describe principles of landscaping
- Successfully landscape a residential home or community service project

***Students may take both Greenhouse Mgmt. and Landscape Design the same year to earn science equivalency credit. See the Agriculture Instructor for more details.**

0840 LEADERSHIP (9) 1 Term .5 Credit (Required Freshman Course)

Prerequisite: None

Have you ever considered your infinite potential? Personal Leadership is designed for freshman to assist them in their success both in high school and their future careers. This course focuses on the application of leadership skills such as effective communication, teambuilding, and time management strategies. Freshman will also be provided with tips and techniques for effective study skills in addition to organizational skills. Class activities include: parliamentary procedure, personality assessments, leadership styles, low ropes course, role playing and daily practice in communication skills.

At the completion of this course, students will be able to:

- Organize and direct group activities
- Enhance communication skills
- Demonstrate knowledge of parliamentary procedure
- Work on individual goals in leadership

**CHILTON HIGH SCHOOL
ATHLETICS PROGRAM**

Boys Athletics

FBCC - Cross Country (Fall)
FOFB - Football (Fall)
WBBB - Basketball (Winter)
WOBS - Swimming (Winter)
WOOW - Wrestling (Winter)
SOBB - Baseball (Spring)
SOBT - Tennis (Spring)
SBTR - Track (Spring)

Girls Athletics

FGCC - Cross Country (Fall)
FOGA - Swimming (Fall)
FOGT - Tennis (Fall)
FOVB - Volleyball (Fall)
WGBB - Basketball (Winter)
SOSB - Softball (Spring)
SGTR - Track (Spring)

Athletic Support Groups

FWCL Cheerleading (Fall/Winter)
WODT Dance Team (Winter)