“Cougar Pride”

2011-2012 Course Description Booklet
January, 2011

Dear Students and Parents:

Welcome to the 2011-2012 Van Wert High School Course Description Booklet designed to inform you of the many academic options available to you for the upcoming year. Hopefully, this course description booklet is easy to understand and use. As you begin to study all of the options within this booklet, should you have questions, please feel free to contact Van Wert High School.

It is the philosophy of Van Wert High School that careful planning and preparation for one’s course of study throughout four years of high school is considered most important by the teaching staff and administration. In fact, it is quite apparent that the Ohio Legislature and the Ohio State Department of Education have “raised the bar” and are expecting more academically from the students of this state. The intent of my message is to strongly encourage all students and parents to realize that the academic expectations from schools have changed. The way things were in schools when we were students are long gone! We strongly believe that the state legislature, the state department of education, and educators are now on the same page. Now we believe it is important to help bring the students and parents along with these same expectations.

Again, please realize that this Course Description Booklet is intended to assist students and parents in a better understanding of the course work and expectations which culminate in the granting of a high school diploma by the Van Wert City Schools Board of Education.

We welcome any opportunity to answer questions you may have concerning curriculum and/or the course of study at this high school. You may contact the Principals Office (419-238-3350) or the Office of Student Services (419-238-2180), Monday through Friday, between the hours of 8:00 a.m. and 3:30 p.m.

Respectfully,

Bill Clifton    Connie Ainsworth    Kerry Koontz
Principal      Counselor           Academic Advisor
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VAN WERT HIGH SCHOOL

This page has been prepared so that each student, with the help of parents, teachers, and counselors may plan his/her high school years. The courses that the student elects to take should meet needs which occur immediately after graduation and in later life.

The State Department of Education and the Van Wert City Board of Education require that certain subjects be satisfactorily completed for graduation.

GRADUATION REQUIREMENTS

To graduate from Van Wert High School a student must:

1. Complete four years of high school attendance and/or:
2. Class of 2012 and 2013 to complete 21 units of credit as follows:

   English ........................................................................................................................................ 4 units
   Science ......................................................................................................................................... 3 units
   Math ............................................................................................................................................... 3 units
   Social Studies ............................................................................................................................ 3 units
   Physical Education ....................................................................................................................... 1/2 unit (2 classes)
   Health ............................................................................................................................................ 1/2 unit
   PLUS
   Electives ....................................................................................................................................... 7 units

3. Students must pass the Ohio Graduation Test
   **Class of 2012 and 2013 must pass the Ohio Graduation Test

DEFINITION: Unit - Credit earned by successful completion of a course

GRADUATION REQUIREMENTS

To graduate from Van Wert High School a student must:

1. Complete four years of high school attendance and/or:
2. Class of 2014 and 2015 to complete 21 units of credit as follows:

   English ........................................................................................................................................ 4 units
   Science ......................................................................................................................................... 3 units
   MATH (REQUIRED TO COMPLETE ALGEBRA II) ...................................................................... 4 UNITS
   Social Studies ............................................................................................................................ 3 units
   Physical Education ....................................................................................................................... 1/2 unit (2 classes)
   Health ............................................................................................................................................ 1/2 unit
   PLUS
   Electives ....................................................................................................................................... 6 units

3. Students must pass the Ohio Graduation Test
   **Class of 2014 and 2015 must pass the Ohio Graduation Test

DEFINITION: Unit - Credit earned by successful completion of a course
GRADUATE OF DISTINCTION AWARD

Students to be considered for the Graduate of Distinction Award must meet the following criteria through 8 semesters:
1. Top 10% of the graduating class based upon class rank
2. Cumulative GPA of 3.85 or higher
3. Students must have successfully completed a minimum of 3 Advanced Placement courses  
   (6 AP courses are offered at Van Wert High School)
4. Students must have no incidents of cheating or plagiarism reported to principal’s office.

DIPLOMA WITH HONORS

A Diploma with Honors will be awarded to any graduating student who:
✦ successfully completes the approved curriculum requirements
✦ student must meet the criteria for the high school diploma
✦ meets the criteria for honors provided below.

The graduating student who completes the college preparatory curriculum in high school shall meet at least seven of the following eight criteria:
1. earn four units of English
2. earn four units of mathematics including Algebra I, Geometry, Algebra II, or equivalent and another  
   higher level course or a four-year sequence of courses that contain equivalent content
3. earn four units of science including physics and chemistry
4. four units of social studies
5. earn either three units of one foreign language, including at least 2 units in each language studied
6. earn one unit of fine arts*
7. maintain an overall high school grade point average of at least 3.5 on a 4.00 scale up to the last  
   grading period of the senior year
8. obtain a composite score of 27 on the ACT or an equivalent composite score of 1210 on the SAT  
   (excluding scores from the writing section)

*Fine Arts: Acting, Choir, Band, Music Appreciation, Music Theory, Theater Appreciation I & II, Television Production courses,  
Art/Ceramic courses

DIPLOMA WITH HONORS

A Diploma with Honors will be awarded to any graduating student who:
✦ successfully completes the approved curriculum requirements
✦ student must meet the criteria for the high school diploma
✦ meets the criteria for honors provided below.

The graduating student who completes the college preparatory curriculum in high school shall meet at least seven of the following eight criteria:
1. earn four units of English
2. earn four units of mathematics including Algebra I, Geometry, Algebra II, or equivalent and another  
   higher level course or a four-year sequence of courses that contain equivalent content
3. earn four units of science including physics and chemistry
4. four units of social studies
5. earn four units of Career-Technical minimum. Program must lead to an industry recognized  
   credential, apprenticeship or be part of an articulated career pathway which can lead to post  
   secondary credit
6. maintain an overall high school grade point average of at least 3.5 on a 4.00 scale up to the last  
   grading period of the senior year
7. Achieve the proficiency benchmark established for the appropriate Ohio Career-Technical  
   Competency Assessment or the equivalent
8. obtain a composite score of 27 on the ACT or an equivalent composite score of 1210 on the SAT  
   (excluding scores from the writing section)
PREPARING FOR REGISTRATION

1. Consideration is given to course requests, not teacher requests.

2. Students are asked to read this booklet carefully and choose subjects to meet their own needs.

3. Be sure to include in your planning, the subjects required for your grade in school.

4. All attempts will be made to honor the student requests for courses; however, it is not guaranteed that a student will receive all selected courses.

5. You will be expected to adhere to the choices you make for the year ahead.

6. Your counselors, teachers, and administrators stand ready to help you work out your choices and they recommend that you discuss these choices with your parents.

7. In elective courses, every attempt will be given for preference to Seniors, Juniors, Sophomores, and Freshmen in that order.

8. In choosing semester courses, always select enough for the entire year.

9. You are to carry at least six (6) academic classes each semester regardless of the number you need to reach the required minimum for graduation. Students are then permitted one (1) study hall during the 7 period day.

DROP POLICY

If it is necessary to make a schedule change, the following procedure will apply:

1. With written parental permission a student may drop within the first ten (10) days of that course. This will not appear on the student’s permanent record.

2. The student must schedule 6 periods every day.

3. After 2 weeks, changes within the guidelines will be made upon approval by the principal, guidance counselors and teachers.

4. After 2 weeks, withdrawal will result in an “F” for the semester which will be figured into the student’s GPA.

5. The parent has the right to appeal the withdrawal decision to an Appeal Board within 1 week. The Appeal Board shall consist of a high school administrator, counselor, and a representative from faculty council.

INCOMPLETES

Students have 10 school days following the last day of the previous grading period to make up incomplete work. Those incompletes that are not made up within the period of 10 school days will receive a failing grade unless given special approval through the principal’s office.
VAN WERT HIGH SCHOOL GRADING SCALE

The classroom follows the Board of Education Uniform Grading Scale for Van Wert High School.

<table>
<thead>
<tr>
<th>Score</th>
<th>Grade</th>
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<tbody>
<tr>
<td>100</td>
<td>A+</td>
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<tr>
<td>99-94</td>
<td>A</td>
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<tr>
<td>93</td>
<td>A-</td>
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<tr>
<td>92</td>
<td>B+</td>
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<tr>
<td>91-83</td>
<td>B</td>
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<tr>
<td>90-72</td>
<td>B-</td>
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<tr>
<td>81</td>
<td>C+</td>
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<tr>
<td>80-72</td>
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<tr>
<td>71</td>
<td>C-</td>
</tr>
<tr>
<td>70</td>
<td>D+</td>
</tr>
<tr>
<td>69-61</td>
<td>D</td>
</tr>
<tr>
<td>60</td>
<td>D-</td>
</tr>
</tbody>
</table>

(59.5 rounds up to a passing grade (D-))

VAN WERT HIGH SCHOOL EXAMINATION POLICY

1. ALL STUDENTS ARE REQUIRED TO TAKE AN EXAMINATION UNLESS:
   A. The course does not offer one (Principal Excused)
   B. The student has been granted permission to exempt through the Renaissance Program

2. STUDENTS WHO DO NOT SHOW UP FOR THEIR EXAMINATIONS WITH AN EXCUSED ABSENCE WILL:
   A. Receive a “0” on the examination
   B. Fail the entire course for that semester, even if the % is equivalent to a passing grade

   Basis for grade: Because the student did not fulfill the course requirements - which includes showing up and taking the examination

3. STUDENTS WHO ARE ABSENT FROM AN EXAMINATION MUST:
   A. Follow all Van Wert High School attendance policies and procedures, as adopted by the Board of Education
   B. All make-up exams will occur according to the Van Wert High School attendance policies and procedures
   ♦ State law requires that a parent or guardian must call the school on the day of a student absence, preferably before 8:30 a.m. for morning absences or by 12:30 p.m. for afternoon absences. Van Wert High School appreciates telephone contacts by parents on the days that examinations are given.

INTERSchOLASTIC ATHLETIC ELIGIBILITY

In accordance with the OHSAA, the Van Wert City Board of Education has adopted the following policy for students in grades 9-12. The following criteria must be met:

♦ Successfully complete a minimum of 5 one-half credit courses per semester (or the equivalency) which would count toward graduation;
♦ Receive no more than one failing grade in the previous 9 week grading period
♦ Earn a minimum 1.2 grade point average for the previous 9 week grading period based on a 4.0 grade scale

Summer school grades cannot be used to determine eligibility. The definition of athletic activities is a school sponsored student activity not included in the graded course of study that includes participants from more than one school or school setting. Incompletes are regarded as an "F" or failing grade until the student makes up his/her work so that an official letter grade can be given.
COLLEGE CORE CURRICULUM FOR THE STATE OF OHIO

If you plan to attend any one of Ohio’s public or private four year colleges or universities, the following courses are recommended:

- 4 Units of College Bound English
- 4 Units of Mathematics (Algebra I, Algebra II, Geometry and Pre-Calculus)
- 3 Units of College Bound Social Studies (World History, American History, and Government)
- 3 Units of Science (2 of which should include lab sciences)
- 2 or 3 Units of Foreign Language
- 1 Unit of Fine Art (Acting, Band, Choir, Art, Ceramics, Theater Appreciation, TV Production)

If you do not follow the college preparatory curriculum, you may not be given unconditional admittance. This means you may be required to attend a developmental class at your expense, or take extra courses, which will not count toward a degree. See a counselor for more information.

ADVANCED PLACEMENT COURSES & FEES

The Advanced Placement Program gives students the opportunity to complete college-level studies while still in high school. Participating colleges grant credit and/or appropriate placement to students who have done well on the AP Examinations which are administered in May. Van Wert High School offers 6 AP courses including AP Language, AP Literature, AP Calculus, AP Chemistry, AP Psychology and AP Government. There is a fee assessed for the Advanced Placement Tests which a student takes. The Van Wert City Board of Education pays for half of the fee for the test. The amount that students assessed for the 2010 tests was $43.50 for each test taken.

CREDIT FLEXIBILITY

Credit Flexibility options are designed for students who demonstrate the ability, interest and maturity to accept personal responsibility for their learning in selected curricular areas. The purpose is to provide learners who identify their own learning objectives and implement a plan to attain those objectives outside of the traditional classroom. This plan is coordinated thorough the high school principal, guidance counselors and athletic director and requires an application process.

SUGGESTED FOUR (4) YEAR CURRICULUM

COLLEGE BOUND

**Freshman**
- English 9 CB
- Biology or Physical Science
- Algebra I or Geometry
- Physical Education/Health
- Foreign Language
- American History 9
- Electives

**Sophomore**
- English 10 CB
- Biology or Chemistry
- Geometry or Algebra II
- Physical Education
- Foreign Language
- World History
- Electives

**Junior**
- English 11-CB or AP English 11
- Chemistry or AP Chemistry
- Pre-Calculus or Algebra II
- Foreign Language III (opt.)
- AP Psychology
- Ecology/Genetics
- Anatomy/Physiology
- Electives

**Senior**
- English 12-CB or AP English 12
- Chemistry II or AP Chemistry
- Pre-Calculus or AP Calculus or Calc/Stat or
- Senior Analysis
- Foreign Language IV (opt.)
- Government or AP Government
- Physics
- AP Psychology
- Electives
VANTAGE CAREER CENTER CANDIDATES

Students interested in the Vantage Career Center are to pay particular attention to the subjects that need to be completed before entering.

Additional required courses for graduation will be taught at the Vantage Career Center in the areas of: English, US History, US Government, Mathematics, and Science.

If a student is deficient in more than three credits in the core areas listed below, he/she will not be eligible for admission.

This means that the following credits should be earned before enrolling in the Vantage Career Center:

- English ................................................................................................................................................... 2 credits
- Health .................................................................................................................................................... 1/2 credit
- Physical Education .............................................................................................................................. 1/2 credit
- Mathematics .......................................................................................................................................... 2 credits
- Science (To include: 1 credit in a Physical Science and 1 credit in a Biological Science) ........... 2 credits
- Social Studies ....................................................................................................................................... 2 credits

SUGGESTED TWO (2) YEAR CURRICULUM

VANTAGE INTENDING STUDENT

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<th>Sophomore</th>
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<td>English 10 or 10 CB</td>
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<tr>
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<td>Investigative Biology</td>
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<tr>
<td>Applied Algebra or Algebra I</td>
<td>Applied Geometry/Geometry</td>
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<tr>
<td>Physical Education</td>
<td>Physical Education</td>
</tr>
<tr>
<td>Health</td>
<td>World History</td>
</tr>
<tr>
<td>American History 9</td>
<td>Electives in Interested Area</td>
</tr>
<tr>
<td>Electives in Interested Area</td>
<td></td>
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PROGRAMS AT VANTAGE CAREER CENTER

BUSINESS CAREERS

- Interactive Media
- Medical Office Management
- Network Systems

SERVICE OCCUPATIONS

- Cosmetology
- Culinary Arts
- Early Childhood Education
- Food Careers
- Health Technologies

TRADE & INDUSTRY

- Ag Diesel Mechanics
- Auto Body Repair
- Automotive Technology
- Building and Ground Maintenance
- Carpentry
- Electricity/Electronics
- Industrial Mechanics
- Precision Machining Technology
- Welding
English Requirements
4 Credits

Language Arts
(8th grade)

English 9 CB

English 10 CB

AP Language
(11th grade)

English 11 CB

AP Literature
(12th grade)

English 12CB

AP Literature
(12th grade)

English 12 CB
English Requirements continued
4 Credits

Language Arts (8th grade)

English 9

English 10 CB

English 11 CB

AP Literature (12th grade)

English 10

English 11 CB

English 11 CB

English 12CB

English 11

English 12
Mathematic Requirements
3 Credits

Algebra I
(8th grade)

Geometry
(9th grade)

Algebra II
(10th grade)

Pre-Calculus
(11th grade)

AP Calculus
(12th grade)

Sr Analysis/
Statistics
(12th grade)

Calc/Stat
(12th grade)

Sr Analysis/
Statistics
(12th grade)

Geometry
(10th grade)

Algebra I
(9th grade)

Algebra II
(11th grade)

Pre-Calculus
(12th grade)
Mathematic Requirements continued
3 Credits

Pre Algebra (8th grade)

Algebra I (9th grade)

Geometry A/B (10th grade)

Geometry (10th grade)

Integrated Math (11th grade)

Algebra II (11th grade)

Algebra II (12th grade)

Pre Calculus (12th grade)

Applied Algebra A/B (9th grade)

Applied Geometry A/B (10th grade)

Integrated Math (11th grade)

Algebra II (12th grade)

Applied Algebra II (12th grade)
Social Studies Requirements
3 Credits

American History
(9th grade)

World History
(10th grade)

Social Studies Elective
(11th grade)

AP Government
(12th grade)

Government
(12th grade)
Science Requirements
3 Credits

College Intending
Van Wert High School

Biology (9th grade)

Anatomy/Physiology or Ecology/Genetics

Chemistry I (10th grade)

Physics (11th or 12th grade)
AP Chemistry (11th grade)
Chemistry II (11th grade)

AP Chemistry (12th grade)
Physics (12th grade)
Chemistry (12th grade)

Physical Science (9th grade)

Biology (10th grade)

Investigative Biology (10th grade)
MHT I - Medical Health Technology (10th grade)

Chemistry (11th grade)

Chemistry (11th grade)
Integrated Science (11th grade)
MHT II - Medical Health Technology (11th grade)

Chemistry (12th grade)
ART

ART I
- Credit: 1
- Year Course
- Elective: 9, 10, 11, 12
- Requirement: Students must attend semester exams to pass this course.
- Art Fee $38.00
During the first semester the language of the visual arts and drawing is emphasized. Second semester the emphasis is on understanding basic materials and techniques in printmaking, sculpture, ceramics, and painting.
Special Notes: Art Fee includes drawing paper, mat board, acetate clay, glaze, firings, paper mache, acrylic paint, canvas board & brushes.

ART II
- Credit: 1
- Year Course
- Elective: 10, 11, 12
- Prerequisite: Passing grade in Art I required
- Requirement: Students must attend semester exams to pass this course.
- Sketchbook and Art Fee $38.00
More advanced techniques are covered: Cartooning, Portrait Drawing, Calligraphy, Sculpture, Ceramics, and Watercolor Painting. Work prepared for exhibition.
Special Notes: Art Fee includes drawing paper, mat board, acetate clay, glazes, firings, wire and tools for sculpture, refills for calligraphy pens, watercolor paint, paper and brushes.

ART III - IV
- Credit: 1
- Year Course
- Elective: 11, 12
- Prerequisite: Art I & II - Students must have a "B" or above in Art II or permission from the art instructor to advance to this class.
- Requirement: Students must attend semester exams to pass this course.
- Sketchbook and Art Fee $38.00
Junior and Senior art students meet together with the following areas of the visual arts: Cartooning-Caricatures, Advanced Drawing, Advanced Sculpture, Advanced Ceramics-throwing on potter's wheel, Advanced Painting, Portfolio and Resume Preparation. Work prepared for exhibition.
Special Notes: Art Fee includes drawing paper, mat board, acetate clay, glaze, firings, senior project materials, canvas, stretcher boards, Gesso acrylic paint and brushes.

CERAMICS I
- Credit: 1/2
- Semester Course
- Elective: 9, 10, 11, 12
- Requirement: Students must attend semester exams to pass this course.
- Art 1, 2, 3, & 4 students are not eligible to take this class because projects will overlap.
- 2 page typed ceramic report
- Art Fee $38.00
This course is designed for the non art majors who like to work with their hands. The emphasis is on self-development. Good craftsmanship is stressed. Students will learn various hand building techniques. Students will follow directions, use problem-solving techniques, and learn how to make patterns for a design.
Special Notes: Art Fee includes clay, glaze and firings

RELIEF PRINTMAKING
- Credit: 1/2
- Semester Course
- Elective: 9, 10, 11, 12 except students enrolled in Art I, II, III & IV
- Requirement: Students must attend semester exam to pass this course.
- Art Fee $38
This is a one semester course designed for non art majors only. Some drawing ability is a must. Students will draw images on paper and transfer to linoleum, wood, cardboard, etc. Then students will carve out images to be printed. Some of the print areas to be covered are: people, animals, and decorative designs.

CERAMICS II
- Credit: 1/2
- Semester Course
- Elective: 9, 10, 11, 12
- Prerequisite: Ceramics I
- Requirement: Students must attend semester exam to pass this course.
- Students must have permission from instructor to advance to this class.
- Art 1, 2, 3 & 4 students are not eligible to take this class because projects will overlap.
- This class is recommended for Junior & Senior students.
- Art Fee $38.00
This course is designed for those with a Ceramics I background. Advanced techniques of clay construction will be learned and used. The area of concentration will mainly be learning methods of constructing pots on the potter's wheel. Maximum class size is 11 students.
Special Notes: Art Fee includes clay, glaze and firings

INDUSTRIAL EDUCATION

INDUSTRIAL EDUCATION I
- Credit: 1
- Year Course
- Elective: 9, 10, 11, (12 upon space availability)
- Requirement: Students must attend semester exams to pass this course.
- Course Fee: $25, plus some additional materials
Students will spend 18 weeks in wood and 18 weeks in drafting including CAD. The wood section is designed to provide students with fundamental woodworking skills and knowledge using both hand and power tools. The drafting
section involves learning how to use the drafting tools, developing drafting techniques, how to print neatly and how to measure. Beginning drawings are done in both Mechanical and Architectural fields.

**INDUSTRIAL EDUCATION II**
- **Credit:** 1
- **Year Course**
- **Elective:** 10, 11, 12
- **Prerequisite:** Industrial Education I
- **Requirement:** Students must attend semester exams to pass this course.
- **Course Fee:** $35. plus some additional materials

A survey course meeting one period per day. Students spend 18 weeks each in two areas of Woods and Drafting including CAD. Skills learned in Industrial Education I are developed.

**ADVANCED DRAFTING I**
- **Credit:** 1
- **Year Course**
- **Elective:** 10, 11, 12
- **Requirement:** Students must attend semester exams to pass this course.
- **Course Fee:** $10.00

Advanced Drafting I is available to Juniors and Seniors that have taken Industrial Education I and Industrial Education II. A Junior or Senior that has not taken Industrial Education I and II can be accepted after a consultation with the teacher. Sophomores that were enrolled in Industrial Education as a freshman and do not intend to take Industrial Education II can take this class only with the permission of the teacher.

Course Resume - The first semester is spent studying mechanical drawing which includes orthographics, pictorials and working drawings. The second semester each student selects his own house and draws a complete set of plans, and a model with landscaping is built of each student's house. Drawings will be hand and computer aided.

**ADVANCED DRAFTING II**
- **Credit:** 1
- **Year Course**
- **Elective:** 11, 12
- **Prerequisite:** Advanced Drafting I
- **Requirement:** Students must attend semester exams to pass this course.

During the first nine weeks each student must complete two drawings selected by the teacher. Also required is a class project selected by the class with a model built of this project. The remainder of the time is spent on individual drawings and projects. Drawings will be hand and computer aided.

**ADVANCED WOODWORKING**
- **Credit:** 1
- **Year Course**
- **Elective:** 11, 12
- **Prerequisite:** Industrial Education I & II
- **Requirement:** Students must attend semester exams to pass this course.
- **Course Fee:** Fees are dependent on materials used

This course is an advanced course dealing with carpentry and cabinetmaking. The major emphasis will be cabinetmaking. Cabinetmaking will allow students time to develop personal projects based on sound cabinet construction procedures. Some of the time will also be spent studying advanced machine operations.

**MUSIC**

**FRESHMEN CHORUS**
- **Credit:** 1
- **Year Course**
- **Elective:** 9
- **Requirement:** Students must attend semester exams to pass this course.

This choir is open to VHHS freshmen who are interested in choral singing. Freshman choir is designed to be an introductory group where basic vocal training, music reading, and choral concepts are taught using a variety of choral literature. Some of the choir’s activities include a Fall concert, a Christmas Concert, and a Spring Concert. “Ambitious and developing groups may attend OMEA Contest. Choir members also have the option of attending Solo and Ensemble Contest.”

**SOPHOMORE WOMEN’S CHORUS**
- **Credit:** 1
- **Year Course**
- **Elective:** 10th grade females
- **Requirement:** Students must attend semester exams to pass this course.

Women’s Choir consists of sophomore women progressing from the previous Freshman Choir. This group is designed to give special attention to the female voice. Women’s Choir continues culturing vocal techniques, music reading skills, and choral concepts which were started in Freshman Choir. “Ambitious and developing groups may attend OMEA Contest. Choir members also have the option of attending Solo and Ensemble Contest.” New members are welcomed and encouraged.

**CONCERT CHOIR**
- **Credit:** 1
- **Year Course**
- **Elective:** 10, 11, 12 (males) 11, 12 (females)
- **Requirement:** Students must attend semester exams to pass this course.

Only those students who can maintain the highest standards of musical excellence through choral performance and rehearsal will be permitted to hold membership in the Concert Choir. An above average level of commitment and cooperation during all rehearsals and performances is required. Membership is restricted to 10th, 11th, and 12th grade males and 11th and 12th grade females. Most members have graduated from Freshman and/or Women’s Choir and through hard work and dedication have proven their ability to sing in Concert Choir. Other upperclassmen wanting to enter this choir must audition with the director. Students cannot add choir to their schedule at semester. Emphasis in Concert Choir is placed on greater mastery of performance skills and a varied repertoire of challenging music from all periods.
Concert Choir activities include: Fall Concert, Christmas concert, Rotary Concert, OMEA contests, Formal Spring Concert, and various other events. Participation in Solo and ensemble Contest is optional.

**BAND**

- Credit: 1  
- Year Course  
- Elective: 9, 10, 11, 12  
- Prerequisite: Jr. High Band or Audition  
- Requirement: Students must attend semester exams to pass this course.

The band year begins with performances by the Marching Band in early June at the Van Wert Peony Parade and in early July with a performance at the Van Wert 4th of July Parade. Band Camp in late July/easy August is required of all students who wish to be a member of the band program. Varsity football players are the only members excused from Band Camp. The Marching Band performs at all home and away Van Wert football games, and at selected out of town festivals, parades, and performances. Each Wednesday after school is set aside for a 90 minute rehearsal throughout the marching season.

There are three Concert Bands in operation during the remainder of the year. Placement in these bands is determined by audition. Performance opportunities include: 3 formal concerts, student assemblies, District and State contest, Graduation, and select out of town performances. Band members are encouraged to participate in small ensembles or as soloists for OMEA Contest.

Basketball Band and Jazz Ensemble are formed from students within the Concert bands. Students are required to perform at 5 Varsity boys basketball games per year. Students who play guitar, bass guitar, keyboard or drum set and are not members of the Concert Bands are encouraged to audition for the Jazz Ensemble.

Freshmen and Sophomores who are interested in learning to play a band instrument, with membership in the VWHS band being a final goal, are encouraged to contact the Director of Bands for more information.

**MUSIC THEORY**

- Credit: 1/2  
- Semester Course (First Semester)  
- Elective: 11, 12  
- Requirement: Students must attend semester exams to pass this course.

A study of musical elements including note names, rhythms, scales, key signatures, chords, chord analysis and composition. Some previous musical knowledge is preferred (band, choir, private lessons). Especially recommended for potential music majors.

**MUSIC APPRECIATION**

- Credit: 1/2  
- Semester Course (Second Semester)  
- Elective: 9, 10, 11, 12  
- Requirement: Students must attend semester exams to pass this course.

The focus of this course is the use and value of music in people's lives. It encourages students to view music in a social context. Music will be presented as a natural and essential ingredient of one's own life and of life in all cultures. Music from all genres, cultures, and time periods will be included. This course is for all students, not just those who are in choir or band.

**FAMILY & CONSUMER SCIENCE**

**CHILD DEVELOPMENT**

- Credit: 1/2  
- Semester Course  
- Elective: 9, 10, 11, 12  
- Requirement: Students must attend semester exams to pass this course.

Are you ready to be a parent? This course covers the areas of parenting and child development. Students will discover the needs of infants and young children and how parents and childcare providers can meet those needs for healthy growth and development. Topics will include parenting readiness, building healthy family relationships, pre-natal care and development and child growth. This course is highly recommended for students considering careers in elementary and early childhood education.

**HEALTHY AND SAFE FOOD**

- Credit: 1/2  
- Semester Course  
- Elective: 9, 10, 11, 12  
- Requirement: Students must attend semester exams to pass this course.  
- Lab Fee $20.

Students will gain knowledge and skills in acquiring and practicing a healthy lifestyle. Topics covered include using dietary guidelines/food groups, disease prevention, learning reliable resources regarding food selection, how to maintain healthy weight and lifestyle and safe food preparation techniques. Other items discussed will be healthy eating, nutrition and wellness, fad diets, and how to maintain healthy weight and lifestyle and safe food preparation techniques. Food lab will be completed to enhance learning and develop healthy food preparation.

**CAREER SEARCH AND PERSONAL GROWTH**

- Credit: 1/2  
- Semester Course  
- Elective: 9, 10, 11, 12  
- Requirement: Students must attend semester exams to pass this course.

Students will gain knowledge of goal setting, time management skills and develop an educational plan leading to career goals. You will learn techniques for building healthy relationships, preparing for marriage and becoming a productive member of society. Topics may include planning for college or future career paths, team building in all areas of life, creating a healthy self esteem, and understanding the resume and application process.

**ON YOUR OWN**

**(FINANCIAL MANAGEMENT)**

- Credit: 1/2
Students gain knowledge and skills to be an informed, educated and responsible consumer. Topics will include consumer choices, effects of advertising, consumer rights and responsibilities, budgeting, and banking principles. Other activities include food preparation labs, a sewing project and clothing care and selection. Also included will be the topic of decision making and goal setting for living on your own.

**GOURMET COOKING & HEALTHY LIVING**

- **Credit:** 1/2
- **Semester Course**
- **Elective:** 11 and 12 (10 by permission of instructor)
- **Prerequisite:** Healthy & Safe Food or with teacher approval
- **Lab Fee $25.**

Students will gain knowledge of food technology, safe food preparation and storage, nutrition, and environmental issues. Students will also learn to prepare foods of different cultures. Food labs include yeast bread preparation, fruit and vegetable buffet, science of egg cookery, cake decorating, fondue, and planning and preparing a healthy holiday meal.

**BUSINESS**

**PRINCIPLES OF BUSINESS**

- **Credit:** 1/2
- **Semester Course**
- **Elective:** 9, 10, 11, 12
- **Requirement:** Students must attend semester exams to pass this course.

Introduction to Business I is the basis for an understanding of economic principles and the free enterprise system and how these factors affect the individual in our society. Topics will include: the nature of American business, business and the consumer, a study of career opportunities, banking and banking services. Students will complete an employment unit by preparing a career plan, preparation of a resume, cover letter and thank you note following the actual interview simulation. This course provides an introductory background for taking other business classes, but is not necessary to take other business classes. Implementation of a new innovative program in partnership with Central Mutual Insurance Company will enhance insurance knowledge and abilities of sustaining careers in the insurance field.

**APPLIED BUSINESS**

- **Credit:** 1/2
- **Semester Course**
- **Elective:** 9, 10, 11, 12

**Conclusion:**

- **Basic Computer**
  - **Credit:** 1/2
  - **Semester Course**
  - **Elective:** 9, 10, 11, 12
  - **Course Fee**
  - **Requirement:** Students must attend semester exams to pass this course.

Windows XP will be studied for students who didn’t have as much opportunity with computers in Middle School as others. This course emphasizes mostly keyboarding and computing improvements. Lab experiences will be given on a network environment. Working with common computer applications in use of the Internet is stressed, establishing familiarity with proper computer usage. Topics included will be: 1) Word Processing, 2) File Management, 3) Using a network, accessing the World Wide Web, 4) Integration between Word Processing and Internet.

**Computer I**

- **Credit:** 1/2
- **Semester Course**
- **Elective:** 9, 10, 11, 12
- **Prerequisite:** Basic computer or 8th grade computer with a "B" or higher or permission of instructor.
- **Requirement:** Students must attend semester exams to pass this course.
- **Course Fee**

Students will be instructed in advanced word processing including graphics, styles, word arts, themes, pictures, objects, tables, and using Word 2007. This course will have an increased integration between the Internet, and other applications with proper computer usage enforced. Students will learn computer terminology, and have a general understanding of how computers operate. Other topics include PowerPoint enhancement, Publisher creativity and introduction of Photoshop. Students will create an on-screen presentation using PowerPoint 2007.

**Computer II**

- **Credit:** 1/2
- **Semester Course**
- **Elective:** 9, 10, 11, 12
- **Recommend:** Computer I or permission of instructor
- **Requirement:** Students must attend semester exams to pass this course.
- **Course Fee**

Students will research and learn the history of computers in this course. The main focus of this course will be Excel, and an introduction to the use of Access 2007 data base software to organize, filter, and run queries on records.
Students will continue as a section editor and learn about the intricacies of web page design. The course will include instruction in HTML, digital photography, image capture, graphic editing, and E-journalism. In addition to creating pages for the Van Wert High School Website, students will have various long-term projects gathering and reporting on various aspects of the Van Wert community.

WEB DESIGN I
Credit: 1/2
Semester Course
Elective: 10, 11, 12
Prerequisite: Computer II or special permission of the instructor.
Requirement: Students must attend semester exams to pass this course
Students will take a hands-on approach to learning the intricacies of web page design. The course will include instruction in HTML, digital photography, image capture, graphic editing, and E-journalism. In addition to creating pages for the Van Wert High School Website, students will have various long-term projects gathering and reporting on various aspects of the Van Wert community.

WEB DESIGN II
Credit: 1/2
Semester Course
Elective: 10, 11, 12
Prerequisite: Web Design I
Requirement: Students must attend semester exams to pass this course
Students will apply what they have learned in Web Design I and continue to build upon their Web design skills. They will also be involved with the overall design and navigation of the site, and implement changes in the design. Student webmasters will research and analyze national trends in web design, and serve a major role in developing and maintaining the VWHS Website design.

WEB DESIGN III
Credit: 1/2
Semester Course
Elective: 11, 12
Prerequisite: Web Design II
Requirement: Students must attend semester exams to pass this course
Students will become a section editor and serve in a managing capacity. They will develop new categories for their section, assign responsibilities of Web Design I students, create deadlines for their section, give technical advice to Web Design I students, proofreading new postings, create editorial pages, and report/evaluate on the students in their section. They will continue to assist in implementing new design and structure changes to the VWHS website.

WEB DESIGN IV
Credit: 1/2
Semester Course
Elective: 11, 12
Prerequisite: Web Design III
Requirement: Students must attend semester exams to pass this course
Students will continue as a section editor and learn about different sections of the VWHS website. They will create “mini-lessons” on assisting new Web Design students with technical and structural/design support. They will research and implement new technological advances concerning the Internet and Web Design software/devices.

COMPUTER PROGRAMMING I
Credit: 1/2
Semester Course
Elective: 10, 11, 12

WEB DESIGN IV
Credit: 1/2
Semester Course
Elective: 11, 12
Prerequisite: Web Design III
Requirement: Students must attend semester exams to pass this course
Students will continue as a section editor and learn about different sections of the VWHS website. They will create “mini-lessons” on assisting new Web Design students with technical and structural/design support. They will research and implement new technological advances concerning the Internet and Web Design software/devices.

PERSONAL FINANCE
Credit: 1/2
Semester Course
Elective: 10, 11, 12
Requirement: Students must attend semester exams to pass this course.
This course will deal with consumer buying problems, wages, commissions, and cost of credit, taxes and business problems of the retailer, wholesaler, and manufacturer of everyone’s day-to-day living. Other topics discussed relate to consumer’s interest involving installment loans, notes, mortgage loans, as well as home equity loans. Students will have the advantage of having an actual banker representative present “real-life” banking experiences. This course will reinforce the learned activities with a Virtual Business simulation computer game.

ACCOUNTING I
Credit: 1/2
Semester Course
Elective: 10, 11, 12
Requirement: Students must attend semester exams to pass this course.
This first semester of accounting presents the instruction needed to provide an understanding of the first and most elemental accounting cycle for a service business, its affect on management policies, and accounting careers. Two major application activities bring all of the learned concepts together in a realistic manner to provide “hands-on” experience through actual manual bookkeeping completion.
Special Notes: Students will receive a workbook to apply accounting techniques leaned in the textbook which is included in the student fee.

ACCOUNTING II
Credit: 1/2
Semester Course
Elective: 10, 11, 12
Prerequisite: Accounting I
Requirement: Students must attend semester exams to pass this course.
The second semester of accounting rounds out the full year course for the students who developed an interest in accounting during first semester. This course also adds additional dimensions and further details on the students’ understanding of the accounting process. The basic accounting cycle is expanded using special journals and a 10-column worksheet. Payroll and special procedures accounting are also learned. Again, two major application activities as well as one computer generated practice set...
provides real-life application. All problems will be reinforced through automated processes. Special Notes: Students will receive a workbook to apply accounting techniques leaned in the textbook which is included in the student fee.

**ACCOUNTING III**

- Credit: 1/2
- Semester Course
- Elective: 11, 12
- Prerequisite: Accounting I and II
- Requirement: Students must attend semester exams to pass this course.

This class is aimed at students who plan to pursue a career in the business fields of accounting, banking, management, marketing, finance, etc. Concentration will be on uncollectible accounts receivable, depreciation methods, methods of inventory control, notes receivable and notes payable, and a voucher system of accounting. Computer applications will be included. Special Notes: Students will receive a workbook to apply accounting techniques leaned in the textbook which is included in the student fee.

**ACCOUNTING IV**

- Credit: 1/2
- Semester Course
- Elective: 11, 12
- Prerequisite: Accounting I, II, and III
- Requirement: Students must attend semester exams to pass this course.

This class is aimed at students who plan to pursue a career in the business fields of accounting, banking, management, marketing, finance, etc. Concentration will be advanced accounting procedures for merchandising businesses, partnerships, and corporations. Computer applications will be included. Students will compete in the Stock Market Game and a practice set will be completed. Special Notes: Students will receive a workbook to apply accounting techniques leaned in the textbook which is included in the student fee.

**APPLIED ECONOMICS**

- Credit: 1/2
- Semester Course
- Elective: 10, 11, 12
- Requirement: Students must attend semester exams to pass this course.

This course is a study of basic economic concepts and principles stressing the relationship of supply, demand, and free enterprise system. Other areas that are covered are economics as a social science; behavior of business firms with respect to competition and market conditions; the role of labor and government; role of financial institutions; national income accounting and statistics; comparative economic systems and international trade; and fundamental economic problems facing the world's nation. This program is sponsored in part by Junior Achievement. This class will compete with local schools in the JA Titan Tournament held during a one weeknight activity, perform a stock market simulation game, and attend a field trip to our Van Wert Central Mutual Insurance Company.

**ENGLISH 9- COLLEGE BOUND**

- Credit: 1
- Year Course
- Requirement: Students must attend semester exams to pass this course.

Freshman English is designed to help students develop a better understanding and command of the English language. In writing, students will review the stages in the writing process including prewriting, the first draft, revising and evaluating, proofreading, and the final version. Separate units that are studied and incorporated into the writing process include the following: spelling and vocabulary, grammar, sentence structure, punctuation, and usage. Students will also study resources for writing and studying including the library and studying and test-taking skills.

In literature, English 9 CB emphasizes literary forms such as poetry, short stories, novels, drama, and essays. The areas selected in literature will include a range that will illustrate various narrative techniques; enable students to increase their understanding of the elements of form (plot, character, setting, theme, etc.) and will exemplify the major literary modes (tragedy, comedy, satire, etc.). This class will be designed to address the above description and all Ohio state standards established for English curriculum.

**ENGLISH 9**

- Year Course
- Requirement: Students must attend semester exams to pass this course.

The curriculum of this avenue will coincide and parallel with the established English 9 College Bound course of study, but will be more suited to students who plan to follow the established vocational or general curriculum. Students will spend time in the areas of informational, technical and persuasive writing skills and readings related to informative and persuasive technology. This class will be designed to address the above description and all Ohio state standards established for English curriculum.

**ENGLISH 10- COLLEGE BOUND**

- Credit: 1
- Year Course
- Requirement: Students must attend semester exams to pass this course.

The Sophomore English program is centered around literature, speech, and composition. In literature (18 weeks), student learning focuses on genre, with increased attention to understanding elements that enhance appreciation of short stories, non-fiction, drama, poetry, and novels. Students will read various novels assigned by the instructor. In addition, students will be expected to review books for outside enrichment. Also, selected readings from textbooks will be assigned.

In speech (9 weeks), students will learn a skill that can help them later in their careers. Besides learning how to speak before groups, students will learn how to listen and
evaluate what they hear. Students will learn how to research a speech, prepare and give the speech, outline, conquer nervousness, etc. Speeches that will be presented include informational, demonstration, sales, impromptu, persuasive, etc.

In composition (9 weeks), students will learn how to express themselves and communicate their thoughts on paper. Expository writing will receive the most attention. Students will study sentence structure, grammar, usage, punctuation, vocabulary, etc. These important principles will then be applied to writing and revising. The Sophomore English program offers students a varied curriculum that emphasizes reading, writing, listening, and speaking skills. This class will be designed to address the above description and all Ohio state standards established for English curriculum.

**Special Notes:** paperback books

**ENGLISH 10**

- Credit: 1
- Year Course
- Requirement: Students must attend semester exams to pass this course.

The curriculum of this avenue will coincide and parallel with the established English 10 College Bound course of study but will be more suited to students who plan to follow the established vocational or general curriculum. Students will spend time in the areas of informational, technical and persuasive writing skills and readings related to informational and persuasive technology. This class will be designed to address the above description and all Ohio state standards established for English curriculum.

**ADVANCED PLACEMENT (AP) ENGLISH LANGUAGE & COMPOSITION**

- Credit: 1
- Year Course
- Elective: 11
- Fee for text book and AP exam. (Approximately $50.) Refer to page 11 of section titled AP courses & fees.
- Requirement: A 3.0 minimum GPA (cumulative) in specific subject matter of English.
- 1st semester exam is required without exemption.
- Students will take the AP exam in May. This is a very demanding course that tests the students' skills in analyzing the rhetoric of prose passages and asks students to demonstrate their skill in composition directly by writing essays in various rhetorical modes. During the research unit students are required to submit an eight to ten page paper, comparing and contrasting fiction to reality. Students also learn to evaluate passages in order to address analytical multiple choice questions. At the end of the year, AP students will take a College Board exam. All juniors will be required to complete an assigned number of service hours in the community to explore local resources. This class will be designed to address the above description and all Ohio state standards established for English curriculum.

**ENGLISH 11 - COLLEGE BOUND**

- Credit: 1
- Year Course
- Elective: 11

- Requirement: Students must attend semester exams to pass this course.

English 11-CB includes three English units: Grammar, Research, American Literature and Novel. Together these units help the students facilitate their skills in language, organizing and compiling research data, and developing an appreciation of American literature.

In grammar, the students will review the fundamentals of the grammatical structures in the English language, from the parts of speech through the complexities of sentence structures. Practical application of these rules occurs in exercises and drills; evaluation is in the form of essays and tests. Correct usage is required in both written and oral communication.

During the research unit the students are required to submit one paper of eight to ten typed pages during the nine week course. Failure to complete the research paper will require the student to repeat that semester the following year. Library material will be presented both in class and in the library itself. Presentation of the necessary format required for the paper will be in class. Exercises and class practicals are provided as reinforcements.

American literature provides an intensive study of the major literary periods and the writers in survey form, from the Puritans to the Modern Age. Historical and cultural ideas and achievements are used to parallel these periods and supplement the required readings. Several American classic novels are required to be read. Oral presentations may be included during any of the units throughout the year. All juniors will be required to complete an assigned number of service hours in the community to explore local resources. This class will be designed to address the above description and all Ohio state standards established for English curriculum.

**Special Notes:** Purchase of paperback books & workbooks may be required throughout the year.

**ENGLISH 11**

- Credit: 1
- Year Course
- Elective: 11

- Requirement: Students must attend semester exams to pass this course.

English 11 - General is built around two English units- grammar and composition, and American literature. In grammar and composition, students will continue to review the stages in the writing process and the many steps that make up each stage. Students will discuss the methods of developing each of the 4 types of paragraphs-expository, persuasive, descriptive, and narrative. Also, they will review the fundamentals of grammar, usage, and punctuation. The students will develop research skills and incorporate them in compositions.

In American literature, students will study a variety of types of literature such as short stories, essays, poetry, and drama. Paperback novels will be assigned as well as additional supplemental reading materials as well as vocabulary study. All juniors will be required to complete an assigned number of service hours in the community to explore local resources. This class will be designed to address the above description and all Ohio state standards established for English curriculum.
ADVANCED PLACEMENT (AP) ENGLISH LITERATURE & COMPOSITION

- Credit: 1
- Year Course
- Elective: 12
- Fee for AP exam. Refer to page 11 of section titled AP courses & fees.
- Requirement: A 3.0 minimum GPA (cumulative) in specific subject matter of English.
- 1st semester exam is required without exemption.
- Students will take the AP exam in May.

This is a very demanding course that tests the students' ability to read and interpret literature and use other forms of discourse effectively. Students will complete a senior project which develops a focus on community services. This class will be designed to address the above description and all Ohio state standards established for English curriculum.

ENGLISH 12 - COLLEGE BOUND

- Credit: 1
- Year Course
- Elective: 12
- Requirement: Students must attend semester exams to pass this course.

The college-bound Senior English course studies literary masters of English literature as well as the mythology of ancient Greece and Rome, emphasizing the development of critical reading and thinking. Oral interpretation in the form of class discussion and informal speeches will also be required. Composition skills will also be refined by developing grammatical proficiency and variety in sentence structure. Writing will also be enhanced with the development of a mature vocabulary. Exposition, narration, and description are the three forms of writing practiced. Students will complete a senior project which develops a focus on community services. This class will be designed to address the above description and all Ohio state standards established for English curriculum.

ENGLISH 12

- Credit: 1
- Year Course
- Elective: 12
- Requirement: Students must attend semester exam to pass this course.

The purpose of this course is to expose the student to all areas of Language Arts. There is an emphasis on English Literature, Drama, and Mythology. Several novels will be studied during the course of the year. The class includes a review of Grammar and Composition. A unit is also completed relating to practical composition including the writing of resumes, cover letters, and letters of application. Students will complete a senior project which develops a focus on community services. This class will be designed to address the above description and all Ohio state standards established for English curriculum.

SPEECH I & INTRODUCTORY DEBATE

- Credit: 1/2
- Semester Course
- Elective: 9, 10, 11, 12
- Requirement: Students must attend semester exam to pass this course.

This course is designed for the basic public speaking curriculum. Speeches include: informative, demonstrative, persuasive and impromptu. This is a performance-based experience for students desiring further training in public speaking skills. The focus of the course is on debate although basic speaking situations not offered in other courses are also an integral part of this class. Students may participate in simulated meetings using parliamentary procedures. Students will participate in community sponsored speech contests.

THEATER APPRECIATION

- Credit: 1/2
- Semester Course
- Elective: 9, 10, 11, 12
- Requirement: Students must attend semester exams to pass this course. This course will study modern theater and the playwrights and their scripts. We will view 15 plays during the semester.

Student will:
1. Develop a background in theater
2. View many plays
3. Understand creative abilities
4. Prepare students for active roles in high school plays.
   a. Insight into production requirements
   b. Insight into creative talent requirements

This course will be graded on the students' understanding of the written script and the viewed play.

THEATER APPRECIATION II

- Credit: 1/2
- Semester Course
- Elective: 9, 10, 11, 12
- Requirement: Students must attend semester exams to pass this course.

For those of you who have taken Theater Appreciation here is a new course based on the old course, but with new and different plays and musicals you might have watched in the old theater appreciation class. For those of you who have not taken Theater Appreciation you can now sign up for either class. Don't worry about not having taken any course to get ready for these Theater Appreciations classes. Just come and learn about today's theater by watching video tapes of plays performed live and as movies. After viewing the plays you must critically analyze what you have seen and the impression the play has left with you.

ACTING I

- Credit: 1/2
- Semester Course
- Elective: 9, 10, 11, 12
- Requirement: Students must attend semester exams to pass this course.

Much memorization is required in this course. Students will look at many aspects of drama-set design, rigging, blocking, directing, etc.-but the course will focus mostly on the craft of acting itself. Students will spend much time analyzing and interpreting plays and observing life with the goal of acting at a deep, realistic level. The students of this class will direct and act in several short scenes over the course of the semester, among other relevant projects. Students will represent an evening of short scenes before an audience as their final examination.
TELEVISION PRODUCTION I
Credit: 1/2
Semester Course
Elective: 10, 11, 12
Course Fee: $15.00

Requirement: Students must attend semester exams to pass this course.
This program is designed as a one-semester experience for students who are interested in basic television production. This class can be offered to pupils in grades 10-12 who have passed English 9 with at least a "C" average. Emphasis will be placed on script writing, basic equipment operation, and small scale production. Requirements for this class are: willingness to speak in front of a group, the ability to work with others, and an interest in learning to write clear, concise scripts. First semester projects include: the television commercial, informative videos, editorials, interview shows and more. A textbook will be used to supplement in-class experiences.

TELEVISION PRODUCTION II
Credit: 1/2
Semester Course
Elective: 10, 11, 12
Course Fee: $15.00
Prerequisite: Successful completion of Television Production I or with instructor approval.

Requirement: Students must attend semester exams to pass this course.
This class is designed to be an extension of skills learned in the previous course. It will further knowledge of technical equipment. Students will learn to edit a videotape. More extensive programming will be produced with some being aired on the local cable network. Basic writing and speaking skills and a willingness to use your imagination are imperative for this class.

TELEVISION PRODUCTION III
Credit: 1
Year Course
Elective: 11, 12
Course Fee: $15.00
Prerequisite: Television Production I and II and teacher recommendation.

Requirement: Students must attend semester exams to pass this course.
This class will be offered to a maximum of 16 students who have completed all of the introductory television classes. Students will share the responsibility of producing VWHS News and Sports with TV III classes. Students in TV IV will also improve the quality of electronic graphics on tape script and direct an original mini movie. They will create commercial spots, become more proficient in camera use, master the skills of post production editing, and work with classmates during all program phases. Students will become an active part of instructor-initiated video productions which promote the school and community.

TELEVISION PRODUCTION IV
Credit: 1
Year Course
Elective: 11, 12
Course Fee: $15.00
Prerequisite: Successful completion of Television Production I, II, and III

Requirement: Students must attend semester exams to pass this course.
This course will be offered to a maximum of 16 students who have completed all of the introductory television classes. Students will share the responsibility of producing VWHS News and Sports with TV III classes. Students in TV IV will also improve the quality of electronic graphics on tape script and direct an original mini movie. They will create commercial spots, become more proficient in camera use, master the skills of post production editing, and work with classmates during all program phases. Students will become an active part of instructor-initiated video productions which promote the school and community.

CHANNEL 6 NEWS
Credit: 1/2
Semester Course
Elective: 11, 12

Requirement: Students must attend semester exams to pass this course.
Students will broaden their skills learned in previous TV courses. It is preferred that students have completed TV III unless instructor initiated. In the class, students will become the focus for programming and maintenance of Channel Six news and programming. Among the projects and productions, students will work on cable-worthy programs as well as be the design team with new ideas and production avenues for Channel Six. Community programming will also be a focus for the students. Students will serve as production managers, control room directing, and talent in the process. This course will require a tremendous amount of responsibility and trust, thus, an application process may be instituted.

CREATIVE WRITING
Credit: 1/2
Semester Course
Elective: 9, 10, 11, 12

Requirement: Students must attend semester exam to pass this course.
Creative writing, a course open to all students who are interested in writing imaginatively, focuses upon the individual and his/her skills in both prose and poetry. Daily classroom activities offer the student a chance to improve and enhance these skills. To provide a background in content, ideas, and styles, students will study the works of professional writers and poets. From this evaluation of great works and styles, students will learn to evaluate their own writing. Students will submit quarterly and semester portfolios of various genres.

YEARBOOK
Credit: 1
Year Course
Elective: 10, 11, 12

Requirement: Must attend semester exam to pass this course.
Students will purchase a SD (Scan Disk) card for this course.
Yearbook offers students a chance to contribute, create, and assemble the Excalibur, VWHS' yearbook. This course offers multiple skills in book production, including layout design, copy writing, photography, advertising, and financial management. Positions are available in layout, photography, and advertising. Much of the actual work will be done in class; however, students will be expected to
work after school and during evenings for deadlines and special projects.  

Special Note: Purchase of your own SC card.

**JOURNALISM I**

- Credit: 1
- Year Course
- Elective: Grade 9, 10, and 11 (12 with instructor approval)
- Requirement: Must attend semester exam to pass this course.

This is an introductory course intended to give students a background in a variety of journalism media. The main emphasis is on developing, reporting, and writing skills in preparation for a staff position on The Cougar’s Roar. This comprehensive course will cover mass media, news reporting, editing, lead writing, interviewing, and communication skills, sports, review, editorial, and feature writing, layout and design, student freedom of press rights, journalistic responsibility, and computer work including desktop publishing. Class activity will be a combination of lecture and laboratory work with emphasis on independent thinking and student creativity.

**JOURNALISM II**

- Credit: 1
- Year Course
- Elective: 10, 11, 12
- Requirements: Journalism I or permission from teacher.
- A grade of at least a B in Journalism I

This class provides a laboratory experience for selected sophomores, juniors, and seniors. Students will serve as staff members for the Cougar’s Roar. Staff positions include reporters, photographers, page designers, and possible editors on journalism publications. Acceptances of responsibility and desire to contribute to journalism publications are necessary individual assets. A knowledge and acceptance of good journalistic standards are also a necessity. Planned activities include producing a magazine, calendar, reporting and representing publications at events relating to the school and community, and publication of the newspaper The Cougar’s Roar.

**JOURNALISM III & IV**

- Credit: 1
- Year Course
- Elective: 11 & 12
- Requirements: Journalism I or permission from teacher.
- A grade of at least a B in Journalism II

This class provides a laboratory experience for selected sophomores, juniors, and seniors. Students will serve as staff members for the Cougar’s Roar. Staff positions include reporters, photographers, page designers, and possible editors on journalism publications. Acceptances of responsibility and desire to contribute to journalism publications are necessary individual assets. A knowledge and acceptance of good journalistic standards are also a necessity. Planned activities include producing a magazine, calendar, reporting and representing publications at events relating to the school and community, and publication of the newspaper The Cougar’s Roar. Articles and layouts will be submitted to national competitions.

### PHYSICAL EDUCATION/HEALTH

#### PHYSICAL EDUCATION

- Credit: 1/4 per semester
- Semester Course
- Required: 9, 10
- Requirement: Students must attend semester exams to pass this course.
- Fee: $10.

This course provides challenging and developmental activities for students to achieve skills, knowledge and good overall fitness. Fitness testing is part of this course. A variety of activities including badminton, basketball, bowling, softball, and volleyball are included in this course, with emphasis on leisure time recreational activities. Special emphasis is placed on improving physical fitness levels.

Special Notes: Class Fee is $10.00 and covers the cost of bowling.

#### PHYSICAL EDUCATION – STRENGTH TRAINING

- Credit: 1/4 per semester
- Semester Course
- Elective: 9, 10, 11, 12
- May use this class to fulfill PE 9-10 credit
- Requirement: Students must attend semester exams to pass this course.

This course is designed to enhance one’s muscular strength and endurance as it relates to athletic performance. Special emphasis on weight training as well as flexibility, agility, and speed development. Activities centered around the core lifts but will also include agility drills, stretching and plyometric (jump training) drills.

#### PHYSICAL EDUCATION – LIFE FITNESS

- Credit: 1/4 per semester
- Semester Course
- Elective: 9, 10, 11, 12
- May use this class to fulfill PE 9-10 credit
- Requirement: Students must attend semester exams to pass this course.

A course designed to improve all areas of physical fitness with an emphasis on learning how to maintain one’s health throughout a lifetime. Particular attention will be given to cardiovascular endurance, flexibility, muscular strength, muscular endurance, core stability, proper nutrition, and weight management. Activities will include but not be limited to: walking, jogging, aerobics, yoga, stretch band exercises, strength training, plyometric ball exercises, classroom lectures, and food labs.

#### ADAPTIVE PHYSICAL EDUCATION

- Credit: 1/4 per semester
- Semester Course
- Elective: 9, 10, 11, 12
- Students must be recommended for this class

A course designed for students with physical and/or multiple disabilities. Emphasis is placed on the specific individual needs of each student.
AAA
HHHEALTH

Credit: 1/2
Semester Course
Required: 9
Requirement: Students must attend semester exams to pass this course.
Class Fee: $10.
A course designed to educate students with a general understanding of physical, mental, social and emotional wellness. This course places emphasis on understanding substance and chemical abuse, first aid and CPR, sexuality and reproduction, sexually transmitted disease and other current health issues. Special emphasis is placed on decision making and preventative health practices. Special Note: Class fee is $10.00 and covers expenses related to CPR.

FOREIGN LANGUAGE

<table>
<thead>
<tr>
<th>Level</th>
<th>Credit</th>
<th>Year Course</th>
<th>Elective</th>
<th>Prerequisite</th>
<th>Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>French I</td>
<td>1</td>
<td>9, 10, 11, 12</td>
<td>9, 10, 11, 12</td>
<td>Recommended C average in all classes</td>
<td>Students must attend semester exams to pass this course. The goal is learning a second language for communication. Listening, speaking, reading, writing, and culture are taught in the classroom through a variety of methods and materials including: textbook, practice sheets, overhead transparencies, audio and video tapes. Part of the course is learning about the geography, history and culture of the Franco-phone world.</td>
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<tr>
<td>French II</td>
<td>1</td>
<td>10, 11, 12</td>
<td>French I</td>
<td>Students must attend semester exams to pass this course. The goals at this level are the following: 1) to continue developing the student's listening, speaking, and writing skills; 2) to prepare students to create conversational techniques based on various grammatical structures; 3) to develop directed compositions; and 4) to appreciate an intensified culture study of France and its people.</td>
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</tr>
<tr>
<td>French III &amp; IV</td>
<td>1</td>
<td>11, 12</td>
<td>French I and II</td>
<td>Students must attend semester exams to pass this course. Reading, writing and speaking are stressed through the reading and discussion of short stories in the first semester. The second semester focuses on learning about French history and reading literary selections from different time periods. Students will complete a variety of projects to enhance the learning experience. An intense grammar workbook will be used to perfect previously learned grammar as well as to learn new, more challenging constructions. Students will be required to keep a notebook of journal entries to help facilitate thinking and writing in French on a regular basis. Grades will be based on journals, grammar quizzes, and assessments on stories read in class, and speaking. Special Notes: Students will receive a grammar workbook to be used in French III &amp; IV.</td>
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<tr>
<th>Level</th>
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<th>Prerequisite</th>
<th>Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>German I</td>
<td>1</td>
<td>10, 11, 12</td>
<td>German I</td>
<td>Students must attend semester exams to pass this course. The course is centered upon basic language communication skills: speaking, listening, reading and writing. Essential themes are integrated with key linguistic structures. Students learn to: make introductions, hold a phone conversation, talk about free time activities, the weather, and other practical matters. A spoken/written assessment takes place at the end of each chapter to show that students can make real use of these basic skills. Instruction is augmented with a workbook and also a lively text video series. Students learn about the culture and geography of the four German-speaking countries.</td>
<td></td>
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<tr>
<td>German II</td>
<td>1</td>
<td>10, 11, 12</td>
<td>German I</td>
<td>Students must attend semester exams to pass this course. We build in stair-step fashion upon the reading, writing, listening and speaking skills gained in German I. Practical themes this year include: traveling, shopping, eating, camping, hobbies, chores, health, and holidays. Students learn to recognize familiar language structures in new written and spoken texts, using the material to write and perform skits of their own. Cultural readings gradually are introduced in German (rather than English as in level I). The text series' dramatic video soap opera continues from level I, as does the workbook. Listening skills are further developed through song and film.</td>
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<tr>
<td>German III</td>
<td>1</td>
<td>11, 12</td>
<td>German I and II</td>
<td>Students must attend semester exams to pass this course. Themes introduced at this level are broader than heretofore. In addition to everyday topics (e.g., family, automobiles, traffic), material may be historical or theoretical in nature, expanding to the use of short stories as presented in the textbook. Feature films in German with exercises are utilized for greater listening comprehension. More advanced language structures (e.g., relative clauses, infinitival constructions) designed for more complex sentences are introduced. Supplemental materials are increasingly teacher-produced (as opposed to using a</td>
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Students will continue to write skits of their own and even short stories.

**GERMAN IV**

- Credit: 1
- Year Course
- Elective: 11, 12
- Prerequisite: German I, II and III
- Requirement: Students must attend semester exams to pass this course.

Designed for the discerning student, German IV is crafted entirely from supplemental materials and may be tailored to the tastes and talents of the students enrolled. Material may consist of short literary works, excerpts from longer ones, or articles from the German press about current events. Themes may touch upon traditional literary genres from the medieval to the present, the second world war, Grimm’s tales, the historical GDR, or other topics of students’ and teacher’s choice. Using Sparks and Vail’s *German in Review*, students will learn the finer points of German grammar previously studied as well as advanced constructions (e.g., subjunctive I) not taught in German III. Students will also train to take college placement exams.

**SPANISH I**

- Credit: 1
- Year Course
- Elective: 9, 10, 11, 12
- Prerequisite: Recommend at least a C average in all work
- Requirement: Students must attend semester exams to pass this course.

The goal of learning a foreign language is for communication, listening, speaking, reading, and writing. To develop vocabulary and grammar students will use journals to take notes and practice writing the language. These journals will be used each year that the student takes Spanish. Students will work together in groups often in this class. Learning through music, videos, and projects is common in this class. We will discuss various cultural topics, such as current events, which students will also be tested upon. Geography is also a main focus as students learn the South and Central American countries.

**SPANISH II**

- Credit: 1
- Year Course
- Elective: 10, 11, 12
- Prerequisite: Spanish I
- Requirement: Students must attend semester exams to pass this course.

This course will enhance the five basic skills of language learning: listening, speaking, reading, writing, and thinking. To develop vocabulary and grammar students will use journals to take notes and practice writing the language. Journals from Spanish I will be a great learning tool. Students will work together in groups often in this class. Learning through music, videos, and projects is common in this class. Students will discuss various cultural topics including current events upon which students will be tested. Geography is also a main focus as students lean the South and Central American countries’ capitals.

**SPANISH III**

- Credit: 1
- Year Course

Elective: 11, 12
- Prerequisite: Spanish I & II
- Requirement: Students must attend semester exams to pass this course.

Developing conversational skills is the main goal of this course. To develop vocabulary and grammar students will use journals to take notes and practice writing the language. Journals from Spanish II will be a great reference tool. Students will work together in groups often in this class. Learning through music, videos and projects is common in this class. Students will discuss various cultural topics including current events upon which students will be tested. Reading and writing will expand through the use of contemporary literature and newspaper articles.

**SPANISH IV**

- Credit: 1
- Year Course
- Elective: 11, 12
- Prerequisite: Spanish I, II & III
- Requirement: Students must attend semester exams to pass this course.

Developing conversational skills and building vocabulary are the main goals of this course. To develop vocabulary and grammar students will use journals to take notes and practice writing the language. Journals from Spanish III will be a great reference tool. Students will work together in groups often in this class. Learning through writing papers, creating videos and developing projects is common in this class. Students will discuss various cultural topics including current events upon which students will be tested. Reading and writing will expand through the use of contemporary literature and newspaper articles. Students will also travel to local elementary schools to teach Spanish to those students throughout the school year.

**MATH**

Emphasis in all mathematics classes will be on keeping organized notebooks with notes, example problems, vocabulary and assignments which show the process used to solve the problems. Students must show their work on assignments and on tests and quizzes.

**APPLIED ALGEBRA A/B**

- Credit: 1
- Year Course
- Elective: 9
- Requirement: Students must attend semester exams to pass this course.

This course is designed for students who struggled with concepts in 8th grade math. Topics covered will be numbers, number operations, rules of Algebra, solving, graphing linear equations, solving and graphing linear inequalities, solving systems of linear equations using powers and exponents of variables, and probability. Level A covers Chapters 1 – 4, 13, and Level B covers...
Chapters 5 - 8.
Special Note: OGT Calculators or better needed for class.

ALGEBRA I
Credit: 1
Year Course
Elective: 9
Requirement: Students must attend semester exams to pass this course.
Topics covered will include problem-solving skills, linear functions, solving and graphing techniques, factoring techniques, quadratic functions, rational functions and probability.
Special Note: OGT Calculators or better needed for class.

APPLIED GEOMETRY A/B
Credit: 1
Year Course
Elective: 10, 11
Prerequisite: Applied A/B, Algebra I or Integrated Math
Requirement: Students must attend semester exams to pass this course
Course Fee: $2.75
This course is intended for the student who needs to take the geometry curriculum at a slower pace. Topics covered include building blocks of geometry, tools of geometry, line and angle properties, triangle and polygon properties, circles area, volume and the Pythagorean Theorem. This course will cover the first 10 chapters of the Geometry text.
Special Note: OGT Calculators or better. Compass and protractor needed for class.

GEOMETRY
Credit: 1
Year Course
Elective: 9, 10, 11
Prerequisite: Algebra I
Requirement: Students must attend semester exams to pass this course
Course Fee: $2.75
Topics include inductive reasoning, geometric constructions, area, volume, congruence, similarity, trigonometry, and proof.
Special Note: OGT Calculators or better. Compass and protractor needed for class.

INTEGRATED MATH
Credit: 1
Year Course
Elective: 11, 12
Prerequisite: Geometry
Requirement: Students must attend semester exams to pass this course.
This course is designed for the junior or senior who needs to improve his/her basic math skills. Topics include: Algebra, principles of geometry and problem solving.
Special Note: OGT Calculators or better. Compass and protractor needed for class.

ALGEBRA II
Credit: 1
Year Course
Elective: 10, 11, 12
Prerequisite: Algebra I
Requirement: Students must attend semester exams to pass this course.
Algebra II is an in-depth study of Algebra topics including equations, inequalities, matrices, probability, statistics, functions, complex factoring, exponents, logarithms, quadratics, variation, analytic geometry, complex numbers, sequence and series.
Special Note: Graphing Calculator needed

SENIOR ANALYSIS
Credit: 1/2
Semester Course
Elective: 12
Prerequisite: Algebra II
Requirement: Students must attend semester exams to pass this course.
A problem based math course for seniors. The first quarter includes concepts and applications in vectors, matrices, and may cover concepts and applications in vectors and matrices. The second quarter focuses on the mathematical elements of personal finance and concludes with a culminating finance project.
Special Note: Graphing Calculator needed

PRE-CALCULUS
Credit: 1
Year Course
Elective: 11, 12
Prerequisite: Algebra II & Geometry
Requirement: Students must attend semester exams to pass this course.
The objective of this course is to advance Algebra II one step further into the area of coordinate systems, conic sections, polar coordinates, polynomial functions, trigonometry, probability, and elementary calculus. This course is designed to prepare students for Calculus.
Special Note: Graphing Calculator needed

CALCULUS/STATISTICS
Credit: 1
Year Course
Elective: 12
Prerequisite: Pre-Calculus
Requirement: Students must attend semester exams to pass this course.
This class is designed for the college-intending student who is not going to major in a math or science related field. First semester topics to be covered are a review of precalculus, limits, derivatives, and applications of differentiation. Second semester will be a statistics curriculum. Topics will include central tendency, dispersion and skewness, probability, normal distribution, the Central Limit Theorem, hypothesis testing, correlation and regression analysis.
Special Note: Graphing Calculator needed

ADVANCED PLACEMENT (AP) CALCULUS
Credit: 1
Year Course
Elective: 12
Prerequisite: Pre-Calculus
Fee for AP exam. Refer to page 11 of section titled AP courses & fees.
Requirement: Students must attend semester exams to pass this course.
World Report, Time and U.S.A. Today. media - such as T.V., CNN News, Newsweek, U.S. News and study: Current issues of the world and using various news
A student can be enrolled in this course one time.  Areas of
THIS COURSE IS OFFERED BOTH SEMESTERS.
developments from the Enlightenment up to the present.
focuses on the political, economical, social, and cultural
history of people in all major parts of the world.  It also
chronological approach with a detailed explanation of the
world in which we live.  The course will combine a
and is designed to broaden the students
World History is a required course at the sophomore level
Writing skills will be necessary for this course.
involved in our country’s development. Reading and
writing skills will be necessary for this course.

SOCIAL STUDIES

AMERICAN HISTORY

Credit: 1
Year Course
Required: 9
Requirement: Students must attend semester exams to pass this course.
An in-depth study of American History from 1865 to the present. The study not only includes the study of facts but also includes the concepts, ideals, and philosophies involved in our country’s development. Reading and writing skills will be necessary for this course.

WORLD HISTORY

Credit: 1
Year Course
Required: 10
Requirement: Students must attend semester exams to pass this course.
World History is a required course at the sophomore level and is designed to broaden the students’ knowledge of the world in which we live. The course will combine a chronological approach with a detailed explanation of the history of people in all major parts of the world. It also focuses on the political, economical, social, and cultural developments from the Enlightenment up to the present.

CURRENT EVENTS

Semester Course
Elective: 11 & 12
Requirement: Students must attend semester exams to pass this course.
Minimal cost of magazine subscription
THIS COURSE IS OFFERED BOTH SEMESTERS.
A student can be enrolled in this course one time. Areas of study: Current issues of the world and using various news media - such as T.V., CNN News, Newsweek, U.S. News and World Report, Time and U.S.A. Today.

RIGHTS AND RESPONSIBILITIES

Credit: 1/2 offered first semester

CONTEMPORARY AMERICAN HISTORY

Credit: 1/2
Semester Course
Elective: 10, 11, 12
Requirement: Students must attend semester exams to pass this course.
THIS COURSE IS OFFERED SECOND SEMESTER ONLY.
The study of American History from 1945 to the present. The course will stress the development of U. S. Foreign and domestic policy that created modern American society. Historical films and documentaries will be used extensively to enhance the textbook, lectures and readings.

SOCILOGY

Credit: 1/2
Semester Course
Elective: 10, 11, 12
Requirement: Students must attend semester exams to pass this course.
The study of the fundamental principles of human social behavior with a focus on individual and group behavior. Such topics as marriage and family, crime, racial conflicts, pollution, overpopulation, generation gap, materialism and socio-economic differences will be covered. To help students realize that the purpose of studying social problems is not to define them, nor even to simply understand them, but to be able to seek and evaluate possible solutions to solving them as a community, state, and nation. Other major topics: Aids, suicide, child abuse, divorce, the elderly, prisons, law enforcement, deviance, and urban problems.

ADVANCED PLACEMENT (AP) PSYCHOLOGY

Credit: 1
Year Course
Elective: 11 & 12
Fee for AP exam.  Refer to page 11 of section titled AP courses & fees.
3.0 GPA in English and Science subject matter
Students must attend semester exams to pass this course.
1st semester exam is required without exemption.
Students will take the AP exam in May.
This course is the in-depth study of human behavior. Topics addressed include but are not limited to: the anatomy of psychology, memory, emotion, abnormal behavior, intelligence and therapies. Designed to prepare
the student for the Advanced Placement Psychology National Exam in May. Test score could result in being awarded college credit. This course is suggested for students who are interested in the areas of psychology, education, or any other service oriented profession. Special Note: 4 typed papers are due in August – prior to school year beginning.

**PSYCHOLOGY**

- Credit: 1/2
- Semester Course
- Elective: 10, 11, 12
- Students must attend semester exams to pass this course.

This course is the study of human behavior. Topics addressed include but are not limited to: the anatomy of psychology, memory, emotion, abnormal behavior, intelligence and therapies. Course designed to prepare students for an introductory college course in Psychology. Special Note: Students enrolled in Psychology course are not permitted to take AP Psychology.

**GOVERNMENT**

- Credit: 1
- Year Course
- Required: 12
- Requirement: Students must attend semester exams to pass this course.

An in-depth study of American government at the Federal, State and Local levels. An emphasis on the philosophy our governmental system is based on and the practical application of this philosophy. Extra readings will be used to accomplish this goal. Practical application of how the student can become involved in our political system will also be included.

**ADVANCED PLACEMENT(AP) GOVERNMENT**

- Credit: 1
- Year Course
- Required: 12
- Fee for AP exam. Refer to page 11 of section titled AP courses & fees.
- Requirement: A 3.0 minimum GPA (cumulative) in specific subject matter of Social Studies.
- 1st semester exam is required without exemption.
- Students must attend semester exams to pass this course.

This is a very demanding course that will cover the following major content areas: constitutional underpinnings of democracy; political beliefs and behaviors of individuals; political parties and interest groups, mechanisms that facilitate the communication of interest and preferences by like minded citizens; the congress, the presidency, the bureaucracy, and the federal courts; institutions and policy processes; and civil liberties and civil rights. Students will take the AP exam in May.

**PROJECT LEAD THE WAY**

(Courses are taken cumulatively)

**INTRODUCTION TO ENGINEERING DESIGN**

- Credit: 1
- Elective: 9, 10
- Year Course
- Recommendation from 8th grade math teacher and Guidance Counselor
- Requirement: Students must attend semester exams to pass this course.

This course teaches problem solving skills using a design development process. Models of product solutions are created, analyzed, fluid systems, electrical systems, and computer design software. Projects include the puzzle cube design and reverse engineering project. Other topics covered include advanced modeling skills, advanced designs, functional and structural analysis, and other open-ended design problems.

**PRINCIPLES OF ENGINEERING**

- Credit: 1
- Elective: 10, 11
- Year Course
- Prerequisite: Introduction to Engineering Design
- Requirement: Students must attend semester exams to pass this course.

This course helps students understand the field of engineering/engineering technology. Exploring various technology systems and manufacturing processes help students learn how engineers and technicians use math, science, and technology in an engineering problem solving process to benefit people. Other topics covered include thermodynamics, fluid systems, control systems, statics and strengths of materials, material testing, engineering reliability, and kinematics.

**DIGITAL ELECTRONICS**

- Credit: 1
- Elective: 11, 12
- Year Course
- Prerequisite: Principles of Engineering
- Requirement: Students must attend semester exams to pass this course.

This Project Lead the Way course will provide students with a solid foundation in Digital Electronics. Students will learn the basic properties of electricity and electronic circuitry. Students will design, simulate and construct actual electronic devices. Instructional topics will include fundamentals of electricity, Boolean algebra, circuit design, microprocessors and digital electronics application.

**ENGINEERING DESIGN AND DEVELOPMENT**

- Credit: 1
- Elective: 12
- Year Course
- Prerequisite: Digital Electronics
- Requirement: Students must attend semester exams to pass this course.

Engineering Design and Development is a research course that requires students to formulate the solution to an open-ended engineering question. With a community mentor and skills gained in their previous courses, students create written reports on their applications, defend the reports, and submit them to a panel of outside reviewers at the end of the school year.
The purpose of this course is to increase students’ science knowledge in an integrated format. Course work will focus on the areas of physics, chemistry, biological science, and Earth science. Each core science area will be covered in approximately one grading period. A lab fee will be collected for science labs.

INVESTIGATIVE BIOLOGY

Credit 1
Elective: 9
Year Course
Requirements: Students must attend semester exam to pass this course.

The purpose of this course is to increase the student’s knowledge of the Biological world and the processes related to life on Earth. Course work will involve, but not be limited to characteristics of life, transfer of traits from generation to generation, parts and functions of the human body, interactions in ecology and diversity of living things.

ANATOMY/PHYSIOLOGY

Credit: 1/2
Elective: 11, 12 (10th grade by permission of instructor)
Year Course
Prerequisite: Biology (with B or better average)

This course is a one semester course designed for the college intending student and offered second semester. The anatomy and physiology portion will delve deeply into external and internal systems of the cat. These will be compared and contrasted to human systems. This course is geared toward those students interested in pursuing a medical career and therefore emphasizes the acquisition of medical terminology/vocabulary as well as an introduction to selected medical careers.

BIOLOGY

Credit: 1
Elective: 9, 10
Year Course
Prerequisite for sophomores: Successfully completed Algebra I and currently enrolled in Geometry.
Prerequisite for freshman: Students must have had an A average for their 8th grade science. In order to be scheduled for Biology, students must also be scheduled for Geometry.
Requirement: Students must attend semester exams to pass this course.

Biology is a full year course designed as a background for the college intending student and involving hands-on laboratory class work. Course work will involve, but not be limited to system dynamics, basic anatomy and physiology, study of ecosystems and their changes, data interpretation and validity, scientific method, development of scientific theories and theories dynamics, plant functions, biodiversity, environmental hazards, and basic principles of heredity. First semester course requirements will include an insect collection. Second semester requirements will include a dissection series.

INTEGRATED SCIENCE

Credit: 1
Elective: 11, 12
Year Course
Requirements: Students must attend semester exam to pass this course

The purpose of this course is to increase students’ science knowledge in an integrated format. Course work will focus on the areas of physics, chemistry, biological science, and Earth science. Each core science area will be covered in approximately one grading period. A lab fee will be collected for science labs.
Some of the topics covered include nuclear, electrochemistry, chemical bonding, reaction rates, solutions, equilibria, acids and bases, gas laws, periodicity, thermodynamics, and qualitative analysis. A strong emphasis will be placed on lab work, demonstrations and hands-on learning.

**ADVANCED PLACEMENT (AP) CHEMISTRY**

- Credit: 1
- Elective: 11, 12
- Year Course
- Fee for AP exam. Refer to page 11 of section titled AP courses & fees.
- Prerequisite: A minimum 3.0 GPA (cumulative) in specific subject matter of Science, Chemistry I with a “B” average or better.
- Requirement: Students must attend semester exams to pass this course.
- 1st semester exam is required without exemption.

This is a college course taught at the high school level for students who want to test out of their first year of college chemistry. It is fast-paced, and should only be considered by students who have a serious interest in chemistry as well as an excellent background in mathematics.

This course will study, in depth, the areas of matter, atomic structure, nomenclature, periodicity, chemical bonding, molecular structure, chemical reactions, stoichiometry, gas laws, solutions, acids and bases, kinetics, equilibria, thermodynamics, entropy, electrochemistry, descriptive chemistry, nuclear chemistry, and qualitative analysis. Students will take the AP exam in May.

**PHYSICS**

- Credit: 1
- Elective: 11, 12
- Year Course
- Prerequisite: Recommended – Algebra I, Algebra II, Geometry (A-B average or higher in math and science)
- Requirement: Students must attend semester exams to pass this course.

A fundamental introduction to the field of physics. Periods are devoted to class and laboratory work. In the classroom, theoretical and mathematical consideration of natural laws and the relationship of matter and energy, force and motion, heat, light, and sound. Laboratory activities are used to reinforce the theoretical concepts and how they may be used to predict the behavior of matter.

**MEDICAL HEALTH TECHNOLOGY I (MHT I)**

- Credit: 1
- Elective: 10, 11, 12
- Year Course
- Prerequisite: Biology or Investigative Biology
- Requirement: Permission by instructor.
- Students must attend semester exams to pass this course.
- Students must fulfill all assigned after school requirements.

Medical Health Technology I is a full year course designed to provide the student the opportunity to prepare for a area in the health fields. The student will be required to complete daily coursework in anatomy and physiology as well as to attend 2 practices/events throughout the year.

Students must be able to provide transportation to practices and be able to travel to away games.

**MEDICAL HEALTH TECHNOLOGY II (MHT II)**

- Credit: 1
- Elective: 10, 11, 12
- Prerequisite: MHT I & Recommendation of MHT I instructor.
- Requirement: Students must attend semester exams to pass this course. (Students must fulfill all assigned after school requirements.)

Medical Health Technology II is a full year course designed to provide hands-on training for students interested in health field careers. The student will continue course work done in MHT I including advanced course work in anatomy & physiology.

Graded responsibilities will include after school training for 2 athletic practices and contests per week, training room duties, and daily coursework. Must be able to provide own transportation to practices. Students will be accepted by permission of instructor.

MEDICAL HEALTH TECHNOLOGY II (MHT II)

- Credit: 1
- Elective: 10, 11, 12
- Prerequisite: MHT I & Recommendation of MHT I instructor.
- Requirement: Students must attend semester exams to pass this course. (Students must fulfill all assigned after school requirements.)

Medical Health Technology II is a full year course designed to provide hands-on training for students interested in health field careers. The student will continue course work done in MHT I including advanced course work in anatomy & physiology.

Graded responsibilities will include after school training for 2 athletic practices and contests per week, training room duties, and daily coursework. Must be able to provide own transportation to practices. Students will be accepted by permission of instructor.
Career Connection
EXAMPLES OF CAREERS RELATED TO ACADEMIC SUBJECT AREAS

**English**

2 year or 4 year degree
Actor
Dramatist (Playwright)
Legal Assistant/Paralegal
Library Technician
Movie/TV Director
Radio/TV Announcer
Newscaster
Writer/Author

4 year or higher degree
Advertising Copywriter
College/University Faculty
Editor
Educational Administrator
Historian
Lawyer
Librarian
Public Relations Specialist
Reporter/Journalist
Speech-Language Pathologist
Teacher
Technical Writer

**Social Studies**

2 year or 4 year degree
Human Resources Worker
Legal Assistant/Paralegal
Park Ranger

4 year or higher degree
Anthropologist
College/University Faculty
Counselor (School/College)
Criminologist
Economist
Educational Administrator
FBI Agent
Foreign Service Officer
Geographer
Gerontologist
Historian
Human Resources Manager
Lawyer
Librarian
Lobbyist
Market Research Analyst
Parole Officer
Political Scientist
Private Detective/Investigator
Psychologist, Clinical
Recreation Leader
Reporter/Journalist
Social Worker
Sociologist
Teacher
Travel Guide
Urban Planner

**Foreign Language**

2 year or 4 year degree
Flight Attendant
Interpreter
Nurse

**Math**

2 year or 4 year degree
Bank Branch Manager
Building/Construction Inspector
Financial Services Sales Rep
Food Service Manager
Hotel/Motel Manager
Loan Officer/Counselor
Real Estate Agent
Retail Store Manager
Tool & Die Maker
Travel Agent
Web Site Developer

4 year or higher degree
Account Executive
Accountant
Air Traffic Controller
Architect
Astronaut
Buyer
College/University Faculty
Computer Network Specialist
Computer Programmer
Computer Systems Analyst
Electrical/Electronics Engineer
Human Resources Manager
Industrial Designer
Insurance Claims Representative
Insurance Risk Manager
Market Research Analyst
Mathematician
Meteorologist
Oceanographer
Physicist
Physician
Physician
Physiologist
Physician
Physical Therapist
Physician
Psychiatrist
Speech-Language Pathologist
Teacher
Veterinarian
Zoologist

**Fine Arts**

2 year or 4 year degree
Actor
Artist
Cartoonist
Composer
Dancer/Choreographer
Dramatist (Playwright)
Fashion Designer
Floral Designer
Graphic Artist (Software)
Illustrator
Interior Designer
Jeweler
Movie/TV Director
Musician
Photographer
Singer
Video/Film Editor
Web Site Developer

4 year or higher degree
Advertising Manager
Architect
Cinematographer
College/University Faculty
Landscape Architect

**Natural Sciences**

2 year or 4 year degree
Aircraft Technician
Broadcast Technician
Dental Hygienist
Funeral Director
Nuclear Medicine Technologist
Nurse

4 year or higher degree
Archivist/Curator
College/University Faculty
Editor
FBI Agent
Foreign Service Officer
Foreign Trade Clerk
Public Relations Specialist
Social Worker
Teacher
Technical Writer

Radiographer
Respiratory Therapist

Animal Scientist
Astronomer
Athletic Trainer
Biochemist
Biologist
Botanist
Chemist
Civil Engineer
College/University Faculty
Dentist
Dietitian/Nutritionist
Ecologist
Fist & Game Warden
Food & Drug Inspector
Forester
Geologist
Horticulturist
Medical Records Administrator
Medical Technologist
Meteorologist
Occupational Therapist
Oceanographer
Optometrist
Pharmacologist
Physical Therapist
Physician
Physician
Physiologist
Physician
Psychiatrist
Speech-Language Pathologist
Teacher
Veterinarian
Zoologist
### ARTS & COMMUNICATIONS CAREERS

#### Professional Careers:
- Actor
- Professional Athlete
- Clothing Designer
- Editor
- Video Maker
- Designer
- Publisher
- Cinema Studies
- Public Speaker
- Web Developer/Manager
- Fine Artist
- Radio Broadcaster
- Patternmaker
- Writer
- Free Lance Writer
- Musician
- Technical Writer
- Advertising Executive
- News Manager
- Performing Artist
- Television Broadcaster
- Interior Designer
- Filmmaker
- Graphic Designer
- Reporter
- Jeweler
- Journalist
- Interpreter

#### Technical Careers:
- Actor
- Broadcast Technician
- Garment Fitter
- Hair Stylist
- Musician
- Word Processor
- Computer Artist
- Public Relations Assistant
- Reporter
- Fine/Commercial
- Compositor/Typesetter
- Tailor
- Lithograph Worker
- Photofinisher
- Singer
- Radio Assistant
- Creative Writer
- Choreographer
- Artist
- Free Lance Writer
- Graphic Artist
- Model
- Photographer
- Technical Writer
- TV Assistant
- Salon Manager
- Motion Picture Editor

#### Entry Level Careers:
- Military
- Processor
- Hair/Nail Technician
- Progressive Stylist
- Model
- Singer
- Theatrical Make-up Artist
- Retail Clerk
- Photographer
- Cosmetologist
- Esthetician
- Graphic Artist
### Business & Management Careers

#### Professional Careers:
- CPA/Accountant
- Appraiser
- Management Analyst
- Purchasing Agent
- Cost Estimator
- Manager
- Quality Control Inspector
- Office Manager
- Real Estate Manager
- Securities Salesperson
- Network Administrator
- Advertising Executive
- Financial Planner
- Executive Search Consultant
- Auditor
- Insurance Agent
- Business Executive
- Compliance Officer
- Financial Advisor
- Bank Manager
- Loan Officer
- Personnel Manager
- Buyer
- Systems Analyst
- Business Owner
- Marketing Management
- Tele-Communications Mgr.
- Statistician
- Actuary
- Market Research Analyst
- Business Manager
- Economist
- Union Executive
- Hotel/Motel Manager
- Management Consultant
- Computer Programmer
- Restaurant Manager
- Underwriter
- Health Service Administrator
- Software Specialist
- Web Developer/Manager

#### Technical Careers:
- Bookkeeper
- Adjustment Clerk
- Business Services Person
- Claims Examiner
- Cost Estimator
- Manager
- Office Machine Operator
- Route Salesperson
- Legal Secretary
- Word Processor/Typist
- Travel Agent
- Retail Buyer
- Display Specialist
- Accounting Clerk
- Insurance Agent
- Chef
- Credit Clerk
- Computer Operator
- Medical Secretary
- Office Manager
- Sales & Service Manager
- Telephone Salesperson
- Baker
- Retail Manager
- Advertising Manager
- Statistical Clerk
- Real Estate Agent
- Claims Adjuster
- Hotel Desk Clerk
- Shipping & Receiving Clerk
- Medical Records Technician
- Personnel Manager
- Secretary
- Bank Teller
- Tax Preparer
- Certified Network Technician
- Copywriter

#### Entry-Level Careers:
- Military
- Clerk
- Data Entry Operator
- Route Salesperson
- Sales Associate
- Manager in Training
- Car Salesperson
- Counter Clerk
- Stock Clerk
- Office Machine Operator
- Telephone Salesperson
- Bookkeeper
- Customer Service Rep
- Display Specialist
- Retail Clerk
- Computer Operator
- Receptionist
- Bank Teller
- Word Processing Specialist
- Desktop Publisher
- Advertising Manager Asst.
Environmental Careers

Professional Careers:
- Agricultural Engineer
- Architect
- Forester
- Oceanographer
- Physical Scientist
- Petroleum Engineer
- Chemist
- Waste Mgt Researcher
- Conservationalist
- Agricultural Scientist
- Earth Scientist
- Geographer
- Park Ranger
- Soil Scientist
- Marine Biologist
- Extension Specialist
- Veterinarian
- Biologist
- Agronomist
- Game Warden
- Recreational Resort Manager
- Life Scientist
- Meteorologist
- Environmental Researcher
- Agriculture Teacher
- Geologist
- Zoologist

Technical Careers:
- Agricultural Inspector
- Farmer
- Commercial Fisherman
- Groundskeeper
- Petroleum Processor
- Ranch Manager
- Farm Sales Representative
- Animal Caretaker
- Rancher
- Floral Designer
- Meat Cutter
- Sanitarian
- Wildlife Ranger
- Farm Operations Manager
- Farm Equipment Mechanic
- Fish/Wildlife Technician
- Forest Firefighter
- Pulp/Paper Worker
- Forest Technician
- Grain Elevator Operator
- Veterinarian Assistant

Entry Level Careers:
- Military
- Deck Hand/Fisherman
- Horticulture Worker
- Cannery Worker
- Petroleum Helper
- Nursery Manager
- Environmental Clean-up Labor
- Animal Caretaker
- Food Processing Worker
- Logger
- Frozen Food Worker
- Landscaper
- Pet Store Worker
- Farm Hand
- Groundskeeper Assistant
- Pest Control Worker
- Lumber Production Worker
- Florist
- Sanitation Worker
Health Services Careers

Professional Careers:
Athletic Trainer  Audiologist  Speech Pathologist
Chiropractor  Dentist  Dietician
Embalmer  Funeral Director  OB/GYN
Internist  Life Scientist  Health Service Administrator
Nurse Practitioner  Registered Nurse  Optician
Optometrist  Pediatrician  Pharmacist
Physical Therapist  Podiatrist  Psychiatrist
Surgeon  Veterinarian  Nutritionist
Biologist  Physical Therapist  Medical Researcher
Health Educator  Physician  Research Scientist
Medical Technician  Psychologist  Hospital Administration
Physician  Occupational Therapist

Technical Careers:
Medical Secretary  Dental Assistant  Medical Records Technician
Dental Hygienist  EEG Technician  EKG Technician
Health Technician  Home Health Aide  Dental Lab Technician
Medical Assistant  Nursing Assistant  EMT
Physical Therapist Asst.  Psychiatric Aide  Health Service Administrator
Radiological Technician  Respiratory Therapy  Licensed Practical Nurse
Surgical Technician  Animal Caretaker  Pharmacy Technician
Medical Lab Technician

Entry Level Careers:
Medical Records Clerk  Home Health Assistant  Nursing Home Assistant
Nursing Assistant  Animal Caretaker  Military
Medical Receptionist  Dental Assistant  Pharmacy Assistant
Human Resources Careers

Professional Careers:
Anthropologist   Archivist   Curator
Urban Regional Planner   Clergy   Coach
University Teacher   Corrections Officer   Counselor
Clerk of Courts   Politician   Education Administration
Secondary School Teacher   Interpreter   Elementary School Teacher
Law Enforcement Officer   Lawyer   Librarian
Regional Planner   Pre-School Teacher   Probation Officer
Public Administrator   Recreation Director   Recreational Therapist
Social Scientist   Social Worker   Sociologist
Vocational School Teacher   Psychologist   Special Education Teacher
Stenographer   Behavioral Specialist   Judge
Political Scientist

Technical Careers:
Court Clerk   Mail Carrier   Childcare Worker
Corrections Officer   Dispatcher   Firefighter
Flight Attendant   Security Guard   Para-Legal Assistant
Legal Secretary   Postal Clerk   Pre-School Teacher
Public Relations Worker   Recreation Attendant   Recreation Guide
Recreation Leader   Telephone Operator   Ticket Agent
Travel Agent   Court Reporter   Court Services
Family/Welfare Worker   Worker Counseling Assist.   Employee Benefits Specialist

Entry Level Careers:
Teacher Aide   Social Services Aide   Bus Person
Newspaper Carrier   Cashier   Childcare Worker
Baby Sitter   Room Cleaner   Vehicle Cleaner
Collector   Waiter/Waitress   Service Station Attendant
Military   Bagger   Kitchen Helper
Library Assistant   Messenger   Counter Clerk
Tutor   Human Resources Assistant

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### Professional Careers:
- Computer Programmer
- Systems Analyst
- Astronomer
- Compliance Officer
- Cost Estimator
- Pilot
- Mining Engineer
- Production Superintendent
- Surveyor
- Civil Engineer
- Industrial Engineer
- Computer Consultant
- Aerospace Engineer
- Architect
- Chemical Engineer
- Compliance Inspector
- Electrical Engineer
- Industrial Engineer
- Petroleum Engineer
- Quality Control Inspector
- Automotive Designer
- Engineering Technologist
- Chief Information Officer
- Air Traffic Controller
- Association Executive
- Chemist
- Construction Manager
- Flight Engineer
- Mechanical Engineer
- Physicist
- Ship Engineer
- Robotics Engineer
- Nuclear Engineer
- Software Engineer

### Technical Careers:
- Computer Programmer
- Systems Analyst
- Automobile Mechanic
- Railroad Conductor/Braker
- Cabinet Maker
- Chemical Processor
- Office Machine Repairer
- Cost Estimator
- Pipefitter
- Sheet metal Worker
- Solar Technician
- Technical Writer
- Wastewater Plant Operator
- Computer Technician
- Heavy Equipment Operator
- Laser Technician
- Metalworker Patternmaker
- Line Installer/Repairer
- Telephone Installer/Repairer
- Bindery Worker
- Union Executive
- Blaster
- Bricklayer
- Carpenter
- Cement Mason
- Building Inspector
- Molder
- Rubber/Plastic Fabricator
- Ship Fitter
- Boiler Operator
- Tool & Die Maker
- Welding Inspector
- Auto Shop Owner
- Fork Lift Operator
- Precision Instrument Repair
- Truck Mechanic
- Electrician
- Electronics Technician
- Aircraft Mechanic
- Auto Body Repairer
- Boilermaker
- Building Maint. Worker
- Rubber Processor
- Computer Repairer
- HVAC Mechanic
- CNC Programmer
- Science Technician
- Small Engine Repairer
- Surveyor Helper
- Upholsterer
- CAD Operator
- Quality Control Inspect
- Ironworker
- Millwright
- Heavy Equip Mechanic
- Drafter
- Air Traffic Controller

### Entry Level Careers:
- Military
- Electronics Assembler
- Auto Parts Counter Worker
- Floor/Carpet Layer
- Rotary Driller
- Foundry Worker
- Insulation Installer
- Truck Driver
- Metal Refining Worker
- Painter/Paperhanger
- Machine Operator
- Building Supply Sales
- Bindery Worker
- Production Assembler
- Bus/Taxi Driver
- Construction Laborer
- Drywall Installer
- Freight Handler
- Janitor
- Machinist
- Mine Worker
- Press Operator
- Mason Tender
- HVAC Technician
- Aircraft Assembler
- Airline Crew Member
- Carpenter Assistant
- Deckhand
- Forge Shop Worker
- Grinder
- Laborer
- Mechanic Helper
- Packer/Wrapper
- Roofer
- Welder
- Auto Detailer
FOUR YEAR ACADEMIC PLAN
Required Courses

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Students are required to have a minimum of 6 classes. For electives refer to your class graduation requirements.
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