

# Melrose-Mindoro High School

## Curriculum Handbook

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March 2018

Dear Student and Parent(s)/Guardian(s),

In the remainder of this book you will find a curriculum guide for our high school. In the coming weeks we will be registering students for the 2018-2019 school year. It would be good if you could sit down together and talk over these course offerings and their future.

As you are probably aware, a good high school education is becoming more and more important. Although we are a small school, our aim is to give you the best education possible. The course selections you make are important.

If there are things in this booklet that are not clear, or if you have any questions, please give either Kay Ciechanowski or me a call at the high school 608/488-2201 or 608/857-3417.

Sincerely,  
Jeff Arzt  
High School Principal

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# GRADUATION REQUIREMENTS

All the students will need 25 credits to meet graduation requirements.

1. Three years (3 credits) in Math at the high school.
2. Four years (4 credits) in English.
3. Three years (3 credits) in Social Studies.
4. Three years (3 credits) in Science including Biology and a Physical Science Course.
5. One and one-half (1.5 credits) required of Physical Education (.5 credit each) for grades 9, 10, and 11. Physical Education is an elective for grade 12.
6. One-half (.5 credit) of Health required grade 10.
7. One-half (.5 credit) of Personal Finance required
8. Passing score on Civics exam.

All of the previous are minimum requirements, and all students are encouraged to take as many courses as they can handle to take advantage of this opportunity for free education. Course selections are important and the students' future plans are a big factor in course selections.

Parents are encouraged to take an active part in course selections. Choices should be discussed and we invite you to call or visit the high school if you have any questions you would like answered. The staff, school counselor, and administration will be pleased to assist you.

Some rough rules to follow for an eight (8) period day:

1. A student should take seven (7) classes per day.
2. A student should have one study hall per day.
3. A student should take challenging classes, which are of interest.
4. Do not take a class because a friend is taking it.
5. You can't take too much English, Math and Science.
6. When in doubt about a class, ask the person who teaches it.
7. If not enough students sign up for a course; we will not be able to offer that course.
8. When registering for classes, be sure to include some alternate choices in case of conflicts.

## **Wisconsin's Early College Credit Program**

Beginning Fall 2018, high school students at public and private high schools in Wisconsin can earn college credit through the Early College Credit Program (ECCP). Under ECCP, the costs of the courses are shared among the IHE, the school district or private school, the state, and in some cases the student's family.

### **How to Apply for the Early College Credit Program:**

- Talk with your high school counselor to see if it's a good fit for you
- Download an ECCP participation form.
- Submit your completed form by March 1 for summer/fall semester or October 1 for spring semester to your school officials.

# School District of Melrose-Mindoro

## *Classroom Instructional Materials Selection Policy*

The Board is legally responsible for all matters relating to the operation of the School District. The responsibility for the selection of instructional materials; however, is delegated to the professionally trained certified personnel of the district.

Selection of materials may involve instructional media specialists, principals, teachers, students, administrators, and community persons. Specific selection procedures shall be developed for use in the District.

## *Non-Discrimination Policy*

The School District shall not discriminate in the selection and evaluation of instructional and library materials on the basis of sex, religion, race, national origin, ancestry, creed, pregnancy, marital or parental status, sexual orientation, or physical, mental, emotional, or learning disability.

The Melrose-Mindoro School District does not discriminate against pupils on the basis of sex, race, religion, national origin, ancestry, creed, pregnancy, marital or parental status, sexual orientation, or physical, mental, emotional, or learning disability or handicap in its education programs or activities. Title VI, Title IX and Section 504 are federal laws prohibiting discrimination in both education and employment on the bases of age, race, color, national origin, sex, religion, or handicap. The district encourages informal resolution of complaints under this policy. However, a formal complaint resolution procedure is available in the High School or Middle School offices.

Any questions concerning this policy should be directed to:

High School Principal  
Melrose-Mindoro High School  
N181 State Rd 108  
Melrose, WI 54642

K-8 Principal  
Melrose Elementary/Junior High School  
805 Second St  
Melrose, WI 54642



# *Course Descriptions*

## **ENGLISH DEPARTMENT**

**Title: English 9**  
**Course Number: ENG101 & ENG102**  
**Length: 1 year Credit: 1**  
**Required of: Freshmen**

First Semester - Students begin the semester reviewing the reading strategies that will enable them to interpret the theme and decode the organization of short stories and essays. Later in the quarter students will apply these strategies to non-fiction material. The primary writing component will include informative research writing as well as description.

Second Semester – Students will examine a variety of literature including novels *Of Mice and Men* and *Romeo and Juliet*. The writing component for the semester will revolve around literary response writing, and analysis of theme and authors craft as required by Common Core Standards

**Title: English 10**  
**Course Number: ENG201 & ENG202**  
**Length: 1 Year Credit: 1**  
**Required of: Sophomores**

English 10 is a general survey course required of all sophomores. It is designed to cover writing skills, analysis of literature, and speaking. Literature units covered will include poetry, A Raisin in the Sun, To Kill a Mockingbird, Inherit the Wind, and the Holocaust. Each literature unit will incorporate analysis, critical thinking, writing, and role-playing to determine the author’s purpose and message.

Students will incorporate reading and writing skills through an essay answer unit. The essay answer structure will be presented, polished, and used as an evaluation tool for literature units. The year's final writing assignment will be the preparation and delivery of an informative speech.

**Title: Journalism**  
**Course Number: ENG303**  
**Length: Semester Credit: .5**  
**Offered To: Sophomores, Juniors, and Seniors**

This course will allow the student to critically evaluate the newspaper’s makeup and then apply the knowledge by carrying out all of the necessary roles in developing a newspaper.

First Quarter - Students will study and emulate the newspaper writing format as identified in various news articles. Students will also examine journalistic ethics and legal issues.

Second Quarter - The students will compose their own newsletter. Given a specific deadline, students will be responsible for every aspect of news writing, ranging from reporting assignments to editing written copy.

**Title: Science Fiction**  
**Course Number: ENG313**  
**Length: Semester Credit: .5**  
**Offered To: Juniors and Seniors**

The class will study the origin of Science Fiction and its impact on today's society. Students will be required to think in terms of the future. They will consider both social and technological impacts on society. Through short stories and projects based on science fiction themes (invasion, gadgetry, etc.), the class will consider how science fiction has become reality.

**Offered alternate years (offered 2018-2019).**

**Title: American Literature**  
**Course Number: ENG323**  
**Length: Semester Credit: .5**  
**Offered To: Juniors and Seniors**

This course is designed to introduce the student to American Literature ranging from the Puritans to the present. The students will study the history of a period along with the literature of that period. Indian Literature, plays and novels will also be an important part of the class.

**Offered alternate years (offered 2019-2020).**

**Title: Oral Communications**  
**Course Number: ENG403**  
**Length: Semester Credit: .5**  
**Offered To: Juniors and Seniors**

This course is an extension of the fundamentals learned in the English 10 speech unit. Informative, persuasive, and/or special occasion speeches will be given to improve writing and delivering skills. Although completion of Advanced Writing is not required as a prerequisite, it is suggested as an aid to students in preparing them for the written aspect of the course. A unit on non-verbal communication will include pantomiming and lip syncing. Group discussion roles and techniques will be studied and applied in a "group presentation."

**Title: Advanced Writing**  
**Course Number: ENG333**  
**Length: Semester Credit: .5**  
**Offered To: Juniors and Seniors**

This course is designed to improve and polish writing skills of students who plan on attending college. The emphasis in Advanced Writing is on academic rather than creative writing. The course covers a review of conventions and sentence structure development. A character sketch emphasizes support and vivid word choices. The essay structure organization pattern is reviewed and applied in the form of an expository essay. The second half of the course deals with persuasive writing. Evaluation of sources and documentation will be learned as part of the support process. A persuasive essay or debate will be the final writing assignment done to develop critical thinking and organization skills.

Comments: Elective



**Title: Short Story and Novel**  
**Course Number: ENG343**  
**Length: Semester Credit: .5**  
**Offered To: Juniors and Seniors**

Short Story and Novel is a class designed to expose students to literature they will read in college; therefore, the assigned material is not light reading.

Students will read a variety of short stories and novels and analyze them according to structure and theme. Students can expect to write essay exams at the conclusion of the units or present projects to show their understanding. Role-playing and discussion will also be incorporated into units. In addition, students are required to independently read one novel per quarter and present a book-talk/project to the class.

**Title: College Prep Writing**  
**Course Number: ENG413**  
**Length: Semester Credit: .5**  
**Offered To: Seniors**

Third Quarter - Students will briefly review sentence structure and mechanics in writing. They will then examine the format for writing formal college research papers. The quarter will include two research papers and tests on introductory paragraphs, thesis statements and body paragraphs. Emphasis is placed on proper format and support statements. Readings will include *Stories of Rwanda* as well as various essays and novel excerpt. In each of the readings, students will recognize the author's use of the three rhetorical proofs; pathos, ethos, and logos.

Fourth Quarter - Students will be involved with critical analysis and the unique format used to explain an opinion. The class will critique parts of a Shakespeare play, music lyrics and poetry.

Prerequisite: Advanced Writing

**Title: College Prep Literature**  
**Course Number: ENG423**  
**Length: Semester Credit: .5**  
**Offered To: Seniors**

First Quarter - Students spend the semester examining and discussing English Literature from 440 A.D. to 1662 A.D. Major works will include Chaucer's Canterbury Tales and Shakespeare's Macbeth. Historical as well as literary background will be provided.

Second Quarter - Students will continue examining English Literature from 1622 to 1914 A.D. Primary emphasis will be placed on poetry through the ages and the historical events that shaped it. Students will give oral reports as well as written responses.

Comments: Elective

## **FOREIGN LANGUAGE DEPARTMENT**

**Title: Spanish I**  
**Course Number: FOR101 & FOR 102**  
**Length: 1 Year Credit: 1**  
**Offered To: Freshmen, Sophomores, Juniors, and Seniors**

Spanish 1 provides an introduction to the Spanish language including pronunciation, cultural information, basic grammatical structures, and vocabulary related to everyday life. Emphasis is on acquisition of the four language skills: reading, writing, speaking, and listening. Students will be able communicate at a beginning level in the present tense.

**Title: Spanish II**  
**Course Number: FOR201 & FOR202**  
**Length: 1 Year Credit: 1**  
**Offered to: Students who have completed Spanish I**

This full-year course builds upon knowledge gained in Spanish I. Students will continue to develop the skills of reading, writing, speaking, and listening, with an emphasis on listening and writing. More complex and varied forms of expression will be studied. Students will continue working in the present tense learning more sophisticated sentence structures, and will be introduced to the past tense.

**Title: Spanish III**  
**Course Number: FOR301 & FOR302**  
**Length: 1 Year Credit: 1**  
**Offered to: Students who have completed Spanish II**

This full-year course builds upon knowledge gained in Spanish I and II. Students will continue to develop the skills of reading, writing, speaking, and listening, with an emphasis on speaking and reading. Students will expand their vocabulary, learn to use more advanced language expressions, and thoroughly study the past tense. They will also learn the future and conditional tenses.

**Title: Spanish IV**  
**Course Number: FOR401 & FOR402**  
**Length: 1 Year Credit: 1**  
**Offered To: Students who have successfully completed Spanish I, II, and III.**

This full-year course builds upon knowledge gained in Spanish I, II, and III. Students will continue to develop the skills of reading, writing, speaking, and listening, with an emphasis on speaking and reading. Students will expand their vocabulary, learn to use more advanced grammatical concepts, further develop their proficiency in all tenses, and learn the subjunctive mood.

## **MATH DEPARTMENT**

**Title: Calculus**  
**Course Number: MAT402 & MAT402**  
**Length: 1 Year Credit: 1**  
**Offered To: Students who have completed Pre-Calculus**

This course covers the basics of Calculus. The topics covered will include some from previous mathematics work, such as functions, continuity, and trigonometry. The majority of the topics will be devoted to differentiation, integrals, the fundamental theorem, and the applications of each. Graphing calculators will be utilized throughout the course.

**Title: AP Statistics**  
**Course Number: MAT801 & MAT802**  
**Length: 1 Year Credit: 1**  
**Offered To: Juniors and Seniors who have completed Advanced Algebra**

The Advanced Placement Program offers a course to students who wish to complete studies equivalent to a one-semester, introductory, non-calculus-based, college course in statistics. The purpose of the AP course in statistics is to introduce students to the major concepts and tools for collecting, analyzing and drawing conclusions from data. All students who are willing to accept the challenge of a rigorous academic curriculum are encouraged to enroll in AP Statistics. Students who pass the AP Exam may be awarded college credit. The cost to take the AP Exam is approximately \$87. Successful completion of the course does not guarantee passing the AP Exam for college credit. A graphing calculator will be required in this course.

**Title: Geometry**  
**Course Number: MAT201 & MAT202**  
**Length: 1 Year Credit: 1**  
**Offered To: Students who have completed Algebra I**

Much of geometry is about measuring. The prefix geo- means "earth" and the suffix-metry means "measure." Geometry is also about shapes, their properties, and relationships. Furthermore, geometry is closely related with other branches of mathematics such as algebra, logic, probability, and trigonometry. Understanding the logical structures of geometry is important to your success in this course. You will learn what it means to define a term, test a conjecture, and prove a theorem. You will see patterns, shapes, sizes, illusions, and similarities. Students are required to have a calculator for this class.

**Title: Integrated Mathematics**  
**Course Number: MAT321 & MAT322**  
**Length: 1 Year Credit: 1**  
**Offered To: Sophomores, Juniors and Seniors**

Integrated Mathematics combines various areas of mathematics into one course. We will study algebra, probability, statistics, geometry, trigonometry, and logic. The use of computer and calculator technology will be utilized throughout the course. Mathematics will also be applied to various areas of work and life. A calculator is required for all students enrolling in this course.

**Title: Algebra and Math Fundamentals**  
**Course Number: MAT101 & MAT102**  
**Length: 1 Year Credit: 1**  
**Offered To: Freshmen and Sophomores**  
**(placement from 8<sup>th</sup> grade)**

Algebra and Math Fundamentals is an integrated approach to an Algebra 1 course. The core Algebra curriculum includes variable expressions, equations and percents, functions and graphs, and work with polynomials. Interwoven in the Algebra is work with data and graphs, measurement, probability and reasoning, and basic geometry principles. Students are expected to become knowledgeable of the vocabulary and skillful in solving a variety of mathematical problems.

**Title: Advanced Algebra**  
**Course Number: MAT301 & MAT302**  
**Length: 1 Year Credit: 1**  
**Offered To: Students who have completed Algebra and Math Fundamentals**

This course is a continuation of the ideas began in Algebra I and Geometry with a more in-depth look at the structure of each and a greater emphasis on problem solving. Topics will include solving systems of linear equations, understanding variations, polynomials, and quadratic functions as well as how to solve, graph, and apply them.

**Title: Pre-Calculus/Trigonometry**  
**Course Number: MAT311 & MAT312**  
**Length: 1 Year Credit: 1**  
**Offered To: Students who have completed Advanced Algebra**

This course will prepare students for more advanced work in mathematics and extend the ideas covered in Advanced Algebra. Logic, logarithms, matrices, polar coordinates, and advanced trigonometry are special areas that will be covered during the year. The use of graphing calculators will be emphasized throughout the curriculum.

## **COMPUTER DEPARTMENT**

**Title: Computer Applications 1**  
**Course Number: COM103**  
**Length: Semester Credit: .5**  
**Offered To: Freshmen, Sophomores, Juniors, and Seniors**

Students will get first hand experience with computer peripherals like scanners, digital cameras, printers, etc. Students will complete a variety of photo editing and web design tasks. This class will prepare students for more advanced web based designs and applications.

**Title: Computer Programming**  
**Course Number: COM113**  
**Length: 1 Semester Credit: .5**  
**Offered To: Freshmen, Sophomores, Juniors, and Seniors**

Students will investigate the fundamentals of computer programming. Students will design and execute programs in BASIC using a structured, modular programming hierarchy. Students will write interactive programs as well as graphics programs.

Prerequisite: Algebra and Math Fundamentals

**Offered alternate years (offered 2019-2020).**

**Title: Computer Applications 2**  
**Course Number: COM123**  
**Length: Semester Credit: .5**  
**Offered To: Freshmen, Sophomores, Juniors, and Seniors**

Students will complete sound editing and video editing projects. This class will encourage individual creativity but practical real world tasks will also be covered. Careers in computer science will be explored. Strongly recommended for those students pursuing computer and technology fields.

Prerequisite: Computer Applications I

**Title: Desktop Publishing**  
**Course Number: COM303**  
**Length: First Semester Credit : .5**  
**Offered to: Sophomores, Juniors and Seniors**

In this course, students will experience the real world of Desktop Publishing. Students will study current layout trends, write text, understand basic photo editing, be responsible for photographing sporting events or various school events, sell ads and design layouts according to a theme and specified styles. Practice using effective writing and language skills, as outlined in College and Career Standards will be included. Students will produce the school yearbook using the Yearbook Avenue site as the final project.

Prerequisite: Computer Applications I

## **SCIENCE DEPARTMENT**

**Title: Biology**  
**Course Number: SCI201 & SCI202**  
**Length: 1 Year Credit: 1 - Required**  
**Offered To: Sophomores, Juniors, and Seniors**

Biology is a year long course and is a required course to complete high school. It is designed to develop an understanding of living organisms, with emphasis on ecological relationships between man, environment, and other living organisms.

**Title: Ecology**  
**Course Number: SCI301 & SCI302**  
**Length: 1 Year Credit: 1**  
**Junior/Senior Elective**

Ecology is designed to give the students the opportunity to study conservation in its entirety or to satisfy special interests in soil and water, forestry, and wildlife management. The fall semester has an emphasis in forestry and the spring semester on birds and water ecology. One-half credit will be granted for each semester successfully completed. The student may elect to either semester or both.

**Title: Advanced Biology (Anatomy-Physiology)**  
**Course Number: SCI323**  
**Length: Semester Credit: .5**  
**Offered To: Students who have completed Biology**

This semester of Advanced Biology is designed to give students that are science and medical technology oriented an opportunity to get more background and knowledge in the area of Anatomy-Physiology. This is also important for the college bound student as it gives the foundation for much of the information needed for a college level biology class.

Prerequisite: Biology

**Title: Advanced Biology (Genetics/Microbiology)**  
**Course Number: SCI333**  
**Length: Semester Credit: .5**  
**Offered To: Students who have completed Biology**

This semester of Advanced Biology begins with approximately six weeks of genetics. Microbiology will take up the remaining semester. Microbiology consists of a high degree of lab work. If you are interested in the medical fields or life sciences in college, this class is very helpful

Prerequisite: Biology

**Title: Physical Science**  
**Course Number: SCI101 & SCI102**  
**Length: 1 Year Credit: .5 per Semester**  
**Offered To: Freshmen, Sophomores, Juniors, and Seniors**

This is an entry-level course into the high school science program. There are no prerequisites for this class which is open to students in ninth through twelfth grades. It is recommended that all freshmen take Physical Science. One-half credit will be earned for each semester passed. Semester one will be a study of the microscopic world of the atom, compounds, and chemical reactions. Topics covered will be 1) The Nature of Matter, 2) Kinds and Substances, and 3) Interactions of Matter. Semester two will be a study of the macroscopic world around us. During this semester we will be investigating the topics of 1) Energy and Motion, 2) Waves, Light, and Sound, and 3) Electricity and Energy Resources.

**Title: Chemistry**  
**Course Number: SCI311 & SCI312**  
**Length: 1 Year Credit: .5 per Semester**  
**Offered To: Juniors and Seniors**

This course is designed to accommodate students that plan on going to college. The course deals with the substance making up our environment and the change these substances undergo. Semester one covers the structure of matter, the periodic table, chemical bonding, and the mole concept. Second semester covers stoichiometry, acid-base theory, reaction rates, and organic chemistry.

**Title: Physics**  
**Course Number: SCI401 & SCI402**  
**Length: 1 Year Credit: .5 per Semester**  
**Offered To: Juniors and Seniors**

Physics is a study of matter and energy and their inter-relationship. In this one credit course we study physical phenomenon according to established scientific methods. It is recommended that you complete Geometry before taking Physics. The first semester covers the areas of forces, motion, and energy. The second semester covers waves, sound, and light; electricity and magnetism; and nuclear physics.

## **SOCIAL STUDIES DEPARTMENT**

Students graduating from Melrose-Mindoro will need 3 credits in Social Studies.

<u>Year</u>	<u>Credit Required</u>	<u>Course Options</u>
Freshman	1 credit	Social Studies 9
Sophomore	1 credit	American History
Junior	1 credit	Civics or AP American Government
Electives		World History I or World History II or Current Economic Issues or Advanced Social Studies (Topics of Past and Present)

**Title: Social Studies 9**  
**Course Number: SOC101 & SOC102**  
**Length: 1 Year Credit: 1**

Social Studies 9 is a two-semester course required for all freshmen. The class is comprised of four components. These include two main components of Minority Studies and Area Studies, and two shorter component parts, which include a study of citizenship and law (the Bill of Rights, etc.) and a short course of consumer economics focusing on basic money skills and understanding. The course also will focus on current events and will include a writing curriculum, which will develop organization, research, and communication skills over the course of the year of study.

**Title: American History**  
**Course Number: SOC201 & SOC202**  
**Length: 1 Year Credit: 1**

American History is a two-semester course. The class emphasizes the history of the United States in the Twentieth Century. It is required of all sophomores.

**Title: AP American Government**  
**Course Number: SOC811 & SOC812**  
**Length: Year – Credit 1.0**

This course is intended as a challenge course for the required “Civics” during the junior year. AP American Government would provide students understanding beyond the basics of the U.S. Government, politics and democratic processes. The course curriculum follows that of AP US Government courses and prepares students if they choose to take the AP examination in the spring.



**Title: World History 1**  
**Course Number: SOC403**  
**Length: Semester Credit: .5**  
**Recommended for any student**

This course is intended to develop the student's awareness of the historical origins of Western Civilization. During the one-semester class, students study prehistory, the rise of civilization in Ancient Mesopotamia, and later Near Eastern societies in Egypt and the Middle East. The second half of the class deals exclusively with the era of classical Greek and Roman history.

**Title: World History II**  
**Course Number: SOC413**  
**Length: Semester Credit: .5**

World History II begins with a look at Europe in the Middle Ages including the rising forces of Christianity, commerce and humanism. It follows the development of humanism and philosophy into the Renaissance and explores the scientific revolution and Enlightenment. The second nine weeks follows up the French Revolution and looks at the Napoleonic wars and the rise of Nationalism and the nation state. The course ends with World War I and II and the rise of the Soviet Union. Students read several books during the class including Orwell's Animal Farm, and excerpts from "A Diary of a Napoleonic Soldier" and All Quiet on the Western Front.

**Title: Current Economic Issues**  
**Course Number: SOC423**  
**Length: Semester Credit: .5**  
**Elective Course**

This course deals with a variety of current economic issues including government policies, regulation, markets, and world news. This course includes economic concepts, and it investigates banking and the stock market. Students are encouraged to participate in the Stock Market Game.

**Title: Psychology**  
**Course Number: SOC433**  
**Length: Semester Credit: .5**  
**Offered To: Juniors and Seniors**

This course will deal with the study of people's behavior and how ones values, customs, and attitudes are reached. The study of behavior will be divided into four groups. Course topics will include physical characteristics, which contribute to behavior, cognitive activity (thinking) emotional responses, and social environment factors. In a brief summary, the course will be a study of humans.

**Offered alternate years (offered 2018-2019).**

**Title: Civics**  
**Course Number: SOC301 & SOC302**  
**Length: 1 Year Credit: 1**  
**Required of all Juniors**

This required course will cover the basic foundation of the workings of the U.S. Government in relation to the roles and responsibilities of its citizens. It will provide students with knowledge and background in the democratic processes. Not only will the basic principles of our government be studied, but we will also deal with the importance of individual rights and duties in a democratic society today.

**Title: Advanced Social Studies**  
**Course Number: SOC443**  
**Length: Semester Credit: .5**  
**Offered To: Juniors and Seniors**

Are you ready for a challenge? Are you concerned with world affairs? Have you ever thought about the effects of regional problems on the world as a whole? In Advanced Social Studies we will be studying major world problems such as modern slavery, genocide, child soldiers, Aids, world hunger, over-population, world energy supply, political and governmental change, global climate change etc. and how they affect us and our world. During the 3<sup>rd</sup> quarter we will focus on participation in Wisconsin High School Model United Nations, where you will be role playing delegates of one or more countries from around the world looking at global issues from the perspective of a different culture. Students will be responsible for paying a portion of the cost of traveling to the Model U.N. Conference. Then in the 4<sup>th</sup> quarter we will look more deeply into selected issues that are presenting social and cultural problems around the world.

**Offered alternate years (offered 2018-2019). Recommended for: Juniors and Seniors**

## **PERSONAL FINANCE**

**Title: Personal Finance**  
**Course Number: STA313**  
**Length: Semester Credit: .5**  
**Required for graduation**

This hands-on class takes you through some of the most important financial situations that you will be forced to deal with in the near future including banking, credit, saving, budgeting and the importance of credit scores. It will include insurance of vehicle purchasing, rental leases and credit cards. This class will help you get started in your financial life and hopefully help prevent common financial mistakes. Practical tips on saving and stretching your income to meet expenses will be stressed.

## **AGRISCIENCE DEPARTMENT**

The agriculture industry involves over 20 percent of the nation's labor force. In the Midwest it accounts for over 30 percent of jobs. Agriculture encompasses the areas of production agriculture, agribusiness, mechanics, animal science, plant science, forestry, wildlife, and food production. Our Agriculture classes focus on applying what you learn. There are over 300 excellent careers in the broad field of Agriculture, and many of the professional and skilled labor types of jobs go unfilled due to a lack of qualified people. Our main focus is to help prepare students for a good career and life beyond high school.

Using the combination of classroom instruction and FFA, students will be able to learn practical knowledge of the agriculture sciences, and be able to participate in the many worthy activities of the FFA. This way, students will be able to develop the qualities that employers are looking for: leadership, creativity, work experience, the ability to articulate ideas and plans successfully, and the confidence to do it.

**Title: Agriculture I**

**Course Number: AGR101 & AGR102**

**Length: 1 Year Credit: 1**

**Offered To: First year Agriculture Students Freshmen through Seniors**

Agriculture I is an entry level class intended for freshman students that want to learn more about a large variety of subjects and career opportunities under the huge umbrella of Agriculture Education. Many short units are included in the curriculum to give you an overview of what we cover in the upper level classes. Several hands on type projects are part of the class. Strongly recommended for freshmen, and it is recommended to take this class before any of the other agriculture classes.

**Title: Landscape Design**

**Course Number: AGR303**

**Length: Semester (spring) Credit: .5**

**Offered To: Sophomores, Juniors, and Seniors**

This course is designed for students interested in the design, management, and care of landscaping and its related fields. Career opportunities in this field are wide open and growing fast. Topics include landscape design, plant material selection, construction materials, planting and pruning techniques, floriculture, and how to properly install and maintain a landscape. There will be many "hands-on" activities inside and out. Guest speakers and a field trip may be included.

**Offered alternate years (offered 2019-2020).**

**Title: Agriculture II**

**Course Number: AGR201 & AGR202**

**Length: 1 Year Credit: 1**

**Offered To: Sophomores, Juniors, Seniors**

Agriculture II is offered as a year-long class, and is open to sophomore – seniors. First semester units include Small Animal Care, Wildlife Management, Aquaculture, and Hunting and Fishing Ethics. Second semester units include Beginning welding (Arc, Mig, and Gas welding), and Soil Conservation and Management. Second semester of this class is a prerequisite for Advanced Welding.

Agriculture II is offered as a year long class, and is recommended for second year Agriculture students. Units of study include Agriculture Mechanics, Basic Welding, Small Animal Care, Aquaculture, Wildlife Management, and Fishing and Hunting Laws and Ethics.

**Title: Agriculture III**  
**Course Number: AGR301 & AGR302**  
**Length: 1 Year Credit: 1**  
**Offered to: Sophomore, Juniors, Seniors**

Agriculture III is a year-long class, and the main units include Dairy, Horses, Livestock, Poultry, Decision Making, Sustainable Agriculture, Financial Management, Organics, Exotics, Precision agriculture, and Marketing. There will be a few hands on type projects as well as a field trip and guest speaker.

**Title: Advanced Welding (Articulated with WTC)**  
**Course Number: TEC423**  
**Length: Semester (spring) Credit: .5**  
**Offered to: Juniors and Seniors**  
**(Prerequisite: Second semester Ag. II or instructor's approval)**

“Advanced Welding” is designed to further develop welding and metal related skills, building off our current beginning welding unit in the second semester of Ag. II class. This is both a high skill and high demand career area.

Welding is one of the fastest-growing occupations today. It has developed rapidly to meet the needs of new manufacturing processes. Welding, as well as many of the skilled trades, is presently in extremely high demand in both Wisconsin and the United States. There is currently a huge shortage nationwide in the skilled trade occupations. Employment opportunities exist in factory production and in heavy construction in almost every industry in which metal is used. With the majority of the professionals in the skilled trades due to retire in the next few years, qualified welders are in demand!

A list of possible projects students would build are a small sheet metal project, a bending project (shepherd's hook and gambrel), a cargo carrier, patio table, plant stand, and a large group project featuring a utility trailer. There will be several individual skill tests using both basic and advanced techniques. This class will be taught by a certified welder; therefore students will learn what skills are required to become certified and marketable in this high demand career.

**Title: Carpentry**  
**Course Number: TEC313**  
**Length: Semester Credit: .5**  
**Recommended for: Juniors and Seniors**

Carpentry provides the student with exposure to the field of residential construction. Students learn techniques and practices used in the construction industry while covering units in materials, plans, hand and power tools, foundation, framing, and finishing the structure. Students may construct a home at a one-inch to one-foot scale or another group construction activity may be considered.

**Offered alternate years (offered 2018-2019).**

**Title: Small Engines**  
**Course Number: TEC323**  
**Length: Semester Credit: .5**  
**Recommended for: Sophomores and Juniors**

Students study the theory and operation of two and four-cycle engines and will overhaul a small Briggs and Stratton engine of their own. Small engine maintenance and repair of various other types of engines will fill up the balance of the semester. Small Engines is offered first semester every year.

**Title: Home Improvement and Auto Maintenance**  
**Course Number: TEC333**  
**Length: Semester Credit: .5**  
**Recommended for: Sophomores, Juniors, and Seniors**

People are continuously running into things that need to be fixed. Home Improvement and Auto Maintenance is a course that exposes students to some of the more common household and automotive problems and methods for correcting these problems. In the home improvement portion of the class students will look at topics such as basic wall framing, painting, drywall repairs, utilities, and home purchasing considerations. During the automotive segment of the class students will study automotive systems troubleshooting and maintenance.

**Title: Wood Tech I**  
**Course Number: TEC203**  
**Length: Semester Credit: .5**  
**Recommended for: Sophomores and Juniors**

Woodworking provides students with the skills necessary to use woodworking tools with safety and confidence. As the name implies, Wood Tech will develop basic skills in the construction of projects using hand and power tools, material selection, measurement, drawing and blueprint reading, wood science, estimating, assembly, and finishing techniques. Student will construct several required projects designed to develop their skills. Students should take a great deal of pride in their work as attention to detail will be stressed.

**Title: Wood Tech II**  
**Course Number: TEC213**  
**Length: Semester Credit: .5**  
**Recommended for: Sophomores, Juniors, and Seniors**

Students enrolled in Wood Tech 2 will continue to develop the skills introduced in Wood Tech 1 while also covering techniques in casework construction. The focus of the course is on the research, planning, design, and construction of a project selected by the student. Note: Wood Tech 1 is a required pre-requisite for admittance to this course.

## **TECHNICAL EDUCATION DEPARTMENT**

**Title: Advanced Welding (Articulated with WTC)**  
**Course Number: TEC423**  
**Length: Semester (spring) Credit: .5**  
**Offered to: Juniors and Seniors**  
**(Prerequisite: Second semester Ag. II or instructor's approval)**

“Advanced Welding” is designed to further develop welding and metal related skills, building off our current beginning welding unit in the second semester of Ag. II class. This is both a high skill and high demand career area.

Welding is one of the fastest-growing occupations today. It has developed rapidly to meet the needs of new manufacturing processes. Welding, as well as many of the skilled trades, is presently in extremely high demand in both Wisconsin and the United States. There is currently a huge shortage nationwide in the skilled trade occupations. Employment opportunities exist in factory production and in heavy construction in almost every industry in which metal is used. With the majority of the professionals in the skilled trades due to retire in the next few years, qualified welders are in demand!

A list of possible projects students would build are a small sheet metal project, a bending project (shepherd's hook and gambrel), a cargo carrier, patio table, plant stand, and a large group project featuring a utility trailer. There will be several individual skill tests using both basic and advanced techniques. This class will be taught by a certified welder; therefore students will learn what skills are required to become certified and marketable in this high demand career.

**Title: Foundations of Technology Education**  
**Course Number: TEC101 & TEC102**  
**Length: 1 Year Credit: 1**  
**Recommended for: Freshmen**

Foundations of Technology is a one year course that prepares students to understand and apply technological concepts and processes. Students are exposed to core areas of technology. Topics covered include, Communications, Construction, Manufacturing, Transportation, Biotechnology, Power & Energy. Group and individual lessons engage students in creating ideas, developing innovations, and engineering practical solutions through hands on projects. This class is recommended for all students wishing to take other offerings in the technology education department.

**Title: Manufacturing Enterprise**  
**Course Number: TEC303**  
**Length: Semester Credit: .5**  
**Recommended for: Sophomores and Juniors**

Manufacturing Enterprise provides students with an introduction to the materials, processes, and management components of a manufacturing facility. Students will design and operate a small manufacturing facility geared towards the efficient production of a product in the school shop. Topics covered shall include quality control, inventory, materials processing, computer aided manufacturing, and production planning processes.

**Offered alternate years (offered 2019-2020)**

**Title: Computer Aided Drafting and Design (C.A.D.D.)**  
**Course Number: TEC201 & TEC202**  
**Length: 1 Year      Credit: 1**  
**Recommended for: Sophomores, Juniors and Seniors**

Computer Aided Drafting and Design is a course designed to introduce students to the field of mechanical drawing. During the first semester of the course students will develop skills in understanding and preparing engineering drawings while simultaneously learning AutoCAD software. Topics covered will include sketching techniques, orthographic projection, sectioning, symbols, dimensioning and detail drawings. Students will also explore other types of engineering drawings. During the second semester of the course students are introduced to the concepts, commands, and techniques of parametric modeling. Using Autodesk Inventor software, students will construct “intelligent” solid models, create and constrain assemblies and create 2D drawings, balloons, parts lists and reference dimensions from the 3D models.

**Title: Carpentry**  
**Course Number: TEC313**  
**Length: Semester      Credit: .5**  
**Recommended for: Juniors and Seniors**

Carpentry provides the student with exposure to the field of residential construction. Students learn techniques and practices used in the construction industry while covering units in materials, plans, hand and power tools, foundation, framing, and finishing the structure. Students may construct a home at a one-inch to one-foot scale or another group construction activity may be considered.  
**Offered alternate years (offered 2018-2019).**

**Title: Small Engines**  
**Course Number: TEC323**  
**Length: Semester      Credit: .5**  
**Recommended for: Sophomores and Juniors**

Students study the theory and operation of two and four-cycle engines and will overhaul a small Briggs and Stratton engine of their own. Small engine maintenance and repair of various other types of engines will fill up the balance of the semester. Small Engines is offered first semester every year.

**Title: Home Improvement and Auto Maintenance**  
**Course Number: TEC333**  
**Length: Semester      Credit: .5**  
**Recommended for: Sophomores, Juniors, and Seniors**

People are continuously running into things that need to be fixed. Home Improvement and Auto Maintenance is a course that exposes students to some of the more common household and automotive problems and methods for correcting these problems. In the home improvement portion of the class students will look at topics such as basic wall framing, painting, drywall repairs, utilities, and home purchasing considerations. During the automotive segment of the class students will study automotive systems troubleshooting and maintenance.

**Title: Electricity/Electronics**  
**Course Number: TEC403**  
**Length: Semester Credit: .5**  
**Recommended for: Juniors and Seniors**

Electricity / Electronics introduces students to the theory and practical application of electricity. In the course students cover topics that include electrical theory, current, voltage, resistance, ohm's law, magnetism, fabrication, components, controls, and residential wiring. Students participate in labs using the Heathkit program of study, solder projects, and construct residential circuits in a simulated structure. **Offered alternate years (offered 2018-2019).**

**Title: Introduction to Engineering Design**  
**Course Number: TEC413**  
**Length: Semester Credit: .5**  
**Recommended for: Juniors and Seniors**

Introduction to engineering design is a course designed to foster problem solving skills. Engineering scope, content, and professional practices are presented through practical applications that revolve around actual case studies. Students in Introduction to Engineering Design, will research, develop, test, and analyze engineering designs using criteria such as design effectiveness, public safety, human factors, and ethics. In engineering teams, students apply technology, science, and mathematics concepts and skills to solve engineering design problems and create design solutions. This course is the capstone course for students who are interested in technology, innovation, design and engineering. **Offered alternate years (offered 2019-2020)**

**Title: Wood Tech I**  
**Course Number: TEC203**  
**Length: Semester Credit: .5**  
**Recommended for: Sophomores and Juniors**

Woodworking provides students with the skills necessary to use woodworking tools with safety and confidence. As the name implies, Wood Tech will develop basic skills in the construction of projects using hand and power tools, material selection, measurement, drawing and blueprint reading, wood science, estimating, assembly, and finishing techniques. Student will construct several required projects designed to develop their skills. Students should take a great deal of pride in their work as attention to detail will be stressed.

**Title: Wood Tech II**  
**Course Number: TEC213**  
**Length: Semester Credit: .5**  
**Recommended for: Sophomores, Juniors and Seniors**

Students enrolled in Wood Tech 2 will continue to develop the skills introduced in Wood Tech 1 while also covering techniques in casework construction. The focus of the course is on the research, planning, design, and construction of a project selected by the student. Note: Wood Tech 1 is a required pre-requisite for admittance to this course.



## **HEALTH DEPARTMENT**

**Title: Wellness Management**  
**Course Number: FAC203**  
**Length: Semester Credit: .5**  
**Required of Sophomores**

Wellness Management concerns the knowledge, confidence, and resource strategies for making decisions about current health concerns. The course will provide students with resources and skills for dealing with critical wellness issues in a rapidly changing global society.

## **FAMILY AND CONSUMER EDUCATION DEPARTMENT**

The courses in this department involve the study of the work of the family, including decision-making and problem solving skills as they relate to one's responsibility for a family and employment.

**Title: Child Development (Transcripted with WTC)**  
**Course Number: FAC101 & FAC102**  
**Length: 1 Year Credit: 1**  
**Offered To: Freshmen through Seniors**

Are you interested in a career that involves working with children? Elementary education, pediatric nursing and day care teacher are examples of some careers. The goal is to prepare you to earn the 40-hour Child Care Assistant Certification (optional) that will allow you to work in a child care center at an entry level position. Learning activities will be devoted to the study of the developing child from infancy through school-age. You will be involved in organizing, planning and carrying out activities for children. Juniors or Seniors completing this course with a C average or better and an 85% attendance record can earn a Child Care Assistant Certificate which would allow them to work in a day care center. You need a B or better to transfer the credit to WTC.

**Offered alternate years (offered 2019-2020).**

**Food Service**  
**Course Number: FAC113**  
**Length: Semester Credit: .5**  
**Offered To: Freshmen through Seniors**

Careers in the foods and tourism industries are among the fastest growing occupation in the world, and there are many interesting and challenging opportunities for employment. The course will help students examine careers related to food, hospitality and the tourism. Students will acquire skills used in the food service industry. They will apply food science principles in laboratory situations and will develop advanced food preparation techniques such as decorating, garnishing, food sculptures, beverages, candy making, sauces and food as gifts.

**Offered alternate years (offered 2018-2019).**

**Fashion & Design**  
**Course Number: FAC123**  
**Length: Semester Credit: .5**  
**Offered To: Freshmen through Seniors**

Beginning level sewing/garment care and construction will be covered in this class. Students will discover how clothing choices are made and express their own individuality in creating a mix of projects using fleece, denim, and other materials. Some materials will be provided by the teacher and others will be provided by students. The cost of the projects varies with the student's choice.

**Offered alternate years (offered 2018-2019).**

**Ethnic Foods**  
**Course Number: FAC133**  
**Length: Semester Credit: .5**  
**Offered To: Freshmen through Seniors**

This course will help students understand food as a social function in various ethnic settings within the United States and other countries. From meal preparation to presentation students will experience the relationship between food and cultures. Students will explore the best known food heritage within the celebration of a cultures holiday or cultural event. Accordingly, some research/reading will be required in addition to meal preparation.

**Offered alternate years (offered 2019-2020).**

**Title: Foods I**  
**Course Number: FAC143**  
**Length: Semester Credit: .5**  
**Offered To: Freshmen through Seniors**

Do you like to prepare food? If yes, this course is for you. This course explores food and how it relates to social interaction, how eating patterns are formed, and how the family transmits societal norms and culture through food. Emphasis is placed upon basic food methods, technology, My Plate Nutrition, Dietary Guideline, meal planning and how to be a wise consumer.

**Title: Career Planning**  
**Course Number: FAC153**  
**Length: Semester Credit: .5**  
**Offered To: Juniors and Seniors**

Career Planning is, as its title implies: A course that helps students plan their career. The course is designed for students who are seeking employment following graduation, entering the military, or attending college. With the skills learned, students will be able to better evaluate career choices based on their abilities and aptitudes and to better their chances in attaining jobs with improved letter and resume writing and interviewing skills.

The course is divided into two phases: Making career choices and learning the skills necessary to attain that career. In the first phase, students can expect to determine personal interests, abilities, and work values and apply them to a career selection. They will investigate requirements, conditions, and outlook for specific occupations..

The second phase will aid students in honing the skills necessary to attain a job. Students can expect to write letters of inquiry and application. Topics covered will include social security, employment eligibility, resumes and withholding forms for income taxes. In addition, students will learn and apply interview skills in mock job interviews. Finally, students can expect to analyze their paycheck, differentiate between unions and professional organizations, and compare earnings, fringe benefits, and hours of jobs in the local geographic area. A wide variety of speakers will also come to share their career choice.

## **STUDY SKILLS**

**Title: Classroom Study Skills**  
**Course Number: STA101 & STA102**  
**Length: 1 Year Credit: .5 per Semester**  
**Offered To: Freshmen, Sophomores, Juniors, and Seniors**

Do you need help with organization, planning, or taking a test? This is the class for you. Study Skills allows you to receive assistance in succeeding academically as well as self-directed improvement by choosing an independent area of study you are interested in. For example: mapping, current events, health & awareness, speaking, communication or advanced Internet search skills.

## **ART DEPARTMENT**

**Title: Fundamental Crafts & Art**

**Course Number: ART103**

**Length: Semester Credit: .5**

**Offered to: Freshmen, Sophomores, Juniors, Seniors**

In this class students will engage in a variety of hands-on creative projects. Students will work on projects individually and in small groups. This alternative class will develop basic creative skills. In this class a student will explore the following fundamental art skills: 1) drawing skills 2) fundamental knowledge of coil and slab pottery construction techniques and issues of color theory. This class will incorporate drawing skills, principles of design and develop your abilities, as well as incorporate your creative skills through a variety of hands-on projects.

**Title: Painting**

**Course Number: ART163**

**Length: Semester Credit: .5**

**Offered to: Freshmen, Sophomores, Juniors, Seniors**

In this class students will engage in a variety of drawing techniques. Still life, portrait and wild life will be the main subject areas. This class will use and expand upon previous knowledge. Color theory and principles of design will be used and reintroduced through studio assignments. This class will incorporate principles of design and develop your abilities. You will incorporate your creative skills through various two dimensional studio studies. Students will work on projects individually. Drawing skills are required. Content covered in this class includes accurate-realistic studies, stylized image, pointillism and close-ups.

**Title: Drawing**

**Course Number: ART113**

**Length: Semester Credit: .5**

**Offered to: Freshmen, Sophomores, Juniors, Seniors**

In this class students will engage in a variety of drawing techniques. Color theory and principles of design will be used and reintroduced in studio assignments. Students will work on projects individually. This class will use and expand upon previous knowledge. Students will develop: 1) drawing skills 2) skills representing values and light source. Fundamental knowledge of portrait, figure, still life and wildlife studies will be addressed. This class will incorporate principles of design and develop your abilities, as well as incorporate your creative skills through various two dimensional studio studies.

**Title: Air Brush**  
**Course Number: ART123**  
**Length: Semester Credit: .5**  
**Offered to: Freshmen, Sophomores, Juniors, Seniors**

In this class students will engage in a variety of air brushing techniques. Color theory and principles of design will be used and reintroduced in studio assignments. Students will work on projects individually. This class will use and expand upon previous knowledge. Students will use the following art skills: 1) drawing skills 2) fundamental knowledge of color theory 3) knowledge of basic geometric shapes. Additional skills incorporated in this class will include drawing skills and principles of design. Students will develop an understanding of the use of airbrushes, as well as incorporate their creative skills through various air brushing studio studies. Please note (subject material) images to work from are the responsibility of the student. The student will need to put together a collection of images that interest them.

**Title: Ceramic Pottery**  
**Course Number: ART133**  
**Length: Semester Credit: .5**  
**Offered to: Freshmen, Sophomores, Juniors, Seniors**

In this class students will engage in a variety of hand built pottery techniques. Students will work on projects individually. This class will use and expand on previous knowledge. Students will be expected to use these core art skills: 1) drawing skills 2) fundamental knowledge of coil and slab pottery construction techniques. This class will incorporate principles of design and develop your abilities to incorporate your creative skills through a variety of hand built pottery studies.

**Title: Silk Screen-Printing**  
**Course Number: ART143**  
**Length: Semester Credit: .5**  
**Offered to: Freshmen, Sophomores, Juniors, Seniors**

In this class students will engage in various screen print techniques. Students will work on projects individually and in small groups. This class will use and expand upon previous knowledge. To enter this class a student is expected to have these core art skills: 1) drawing skills 2) knowledge of color theory. This class will incorporate drawing skills, color theory, principles of design and develop your abilities as well as incorporate your creative skills through various printing processes.

**Title: Sculpture**  
**Course Number: ART153**  
**Length: Semester Credit: .5**  
**Offered to: Freshmen, Sophomores, Juniors, Seniors**

In this class students will engage in various sculpture techniques: hand building clay sculpture, constructive and subtractive sculpting techniques. Understanding of the types of balance, shape and form will be explored. Students will work on projects individually and in small groups. This class will use and expand upon previous knowledge and incorporate drawing and painting skills.

## **MUSIC DEPARTMENT**

**Title: Chorus**

**Course Number: MUS101 & MUS102**

**Length: 1 Year Credit: 1**

**Offered To: Any grade level**

The Mustang Choir is a performance-based class. Performances will include: the Fall Concert, Winter Concert, Spring Concert, Graduation, caroling in December, and performances of the National Anthem at a variety of sporting events throughout the year. Solo and Ensemble Festival is an optional part of the program. Participation in Large Group Contest is required as it takes place during the school day. Weekly lessons are scheduled for small groups and students will learn a wide variety of music throughout the school year. This class welcomes any student that is interested in vocal training, improving their singing ability, and singing in a choir.

**Title: Band**

**Course Number: MUS121 & MUS122**

**Length: 1 Year Credit: 1**

**Offered To: Any grade level**

The Mustang Band is a performance-based class, featuring Marching Band, Pep Band, and Concert Band. The Marching Band performs a half-time show at every home football game. It also performs in seven parades and summarizes the season with the marching review concert. Pep band performs at selected home football, volleyball, boys' and girls' basketball games and wrestling matches. The Concert band performs at the Winter Concert, Pops Concert, Spring Concert, Large Group Festival and at the Graduation Ceremony. Members may also participate in small ensembles such as Jazz Band, Woodwind Choir, Percussion Ensemble, and other groups that will be featured at various performances throughout the year. Rehearsals are held each day, and lessons are scheduled during a student's study hall, and are usually individual or small group lessons.

## **PHYSICAL EDUCATION DEPARTMENT**

**Title: Physical Education 9**  
**Course Number: PHY103**  
**Length: Semester Credit: .5**  
**Required Course for Freshmen**

This course includes Physical Fitness, Track & Field, Softball, Badminton, Basketball, Volleyball, Dance, Weight Training, and four (4) 1 mile endurance runs.

**Title: Physical Education 10**  
**Course Number: PHY203**  
**Length: Semester Credit: .5**  
**Required Course for Sophomores**

This course includes Soccer, Flag Football, Physical Fitness, Pickle Ball, Golf, Lacrosse, Volleyball, Weight Training, and four (4) 1 mile endurance runs.

**Title: Physical Education 11/12**  
**Course Number: PHY303**  
**Length: Semester Credit: .5**  
**Required Course**

This course includes units on Softball, Speedball, Snowshoe, Cross-Country Skiing, Broomball, Petica, Frisbee Golf, Soccer, Ultimate Frisbee, Pickle Ball, Volleyball, Badminton, recreational games, and Basketball.

## **ADVANCED PLACEMENT COURSES (A.P.)**

Advanced Placement (A.P.) allows high school students to study a particular subject and possibly earn college credit by taking an exam at the end of the course. This year Melrose-Mindoro is offering AP Statistics. Any student who is interested in any other A.P. Course should inquire in the counselor's office for more information.