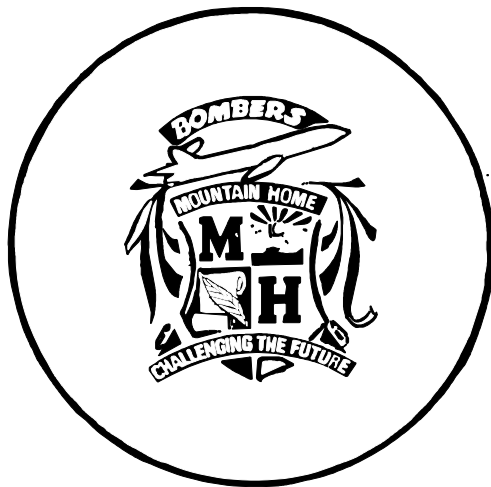


Mountain Home High School



Course Description Book
2004-2005

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CREDITS

| | |
|----------------------------------------------------------------------|-----------------------------|
| Cover Design | Caroline Harrington |
| Booklet Student Manager | Amber Beck |
| Booklet Design and Layout | Desktop Publishing II Class |
| Billy Altazan, Derek Arndt, Brooke Bateman, Amber Beck, Bailey | |
| Bodenhamer, Rachel Cather, Jack Conner, Rachel Cooper, Betty Dolan, | |
| Tracey Fisher, Caroline Harrington, Jeremiah Kilcoyne, Marci Morgan, | |
| Sarah Nelson, Travis Pitts, Adain Rodriguez, Steven Seymour, Kristyn | |
| Shimanek, Jessica Welsh, Brandon Wolf | |
| Desktop Publishing Teacher | Patty Marion |

GENERAL DIPLOMA REQUIREMENTS

4 credits of English

3 credits of Social Studies

1.5 must be U.S. History, 1 credit World History, and .5 credit Civics or American Government.

3 credits of Science

One credit must be a physical science and one credit must be Biology

4 credits of Math

.5 credit of Fine Art

Any course taught by the fine arts department will count.

1 credit of Practical Arts

Any class taught in Business, Agriculture, Family and Consumer Science, Industrial Arts, Career Education, Computer Technology, Medical Professions, or Publications

1 credit of Physical Education

Personal Fitness, sports, or cheerleading/drill team

(.5 credit can be earned from band or ROTC; however, at least .5 credit **MUST** be a physical education course)

.5 credit of Health

.5 credit of Speech

6.5 credits of electives

Elective credits are ANY classes taken in addition to the required courses. It does not matter if those credits are in the elective area or in a core subject area.

24.0 Total Credits needed for graduation

REQUIREMENTS FOR COLLEGE CORE COURSES

College Admission: The college core courses are recommended for the serious student who plans to register for college. Completion of the college core courses is not required for general admission to some community colleges or technical schools; however, it may be required for unconditional admission to most universities and colleges.

The recommended college core curriculum is required for the Arkansas Academic Challenge Scholarship.

Honor Graduates: Only students who complete the college core courses requirements can graduate with honors. Honor graduates are designated as follows:

Summa Cum Laude: above 4.0 final GPA

Magna Cum Laude: 3.75 - 4.00 final GPA

Cum Laude: 3.50 - 3.74 final GPA

Advanced Placement: Classes designated pre-Advanced Placement (pre-AP) or Advanced Placement (AP) are designed for the academically able student. They are fast-paced, in-depth, challenging courses that require extra work at home and in class. Teacher recommendation and previous classes in the pre-AP strand are suggested but not mandatory. Parent permission required.

Concurrent Credit: Classes that are designated as concurrent credit classes are done through Arkansas State University Mountain Home and will be credited toward the student's high school diploma as well as being

placed on an ASU-MH transcript as college hours earned. There are two types of concurrent credit courses offered. The first is courses which meet general education requirements or will transfer as academic electives in a four-year degree. These courses are *College Algebra, Composition I, Composition II, Human A&P, Principles of Accounting I, and German II*. The second type of concurrent credit courses that are designed for students who plan to earn a two-year degree. These courses, which are more specific in content, will apply only to specified two-year degrees. These courses are *Word Processing I, Word Processing II, Spreadsheet Application, Desktop Publishing, Computer Applications, Accounting I, Medical Terminology, and Introduction to Computers (Multimedia, Computer Concepts, or Advanced Computer Concepts—two of the three)*.

Academy Choices: Each student will select an academy in which he or she will gain career awareness and will learn core subjects in a way more interesting to the student. Students make the selection during the registration process and finalize it with an advisor/parent/student conference in the spring. A student is required to remain in the academy that he or she has chosen for a period of one school year. During the registration process for the next school year, the student may continue to remain in his or her current academy or change to one of the other two academies. Following are the academy choices:

- ACME—Architecture, Construction, Manufacturing, and Engineering
- CAB—Communications, Arts, and Business
- HHS—Health and Human Services

REQUIREMENTS FOR THE COLLEGE CORE DIPLOMA

- 4 credits of English**
- .5 credit of Speech**
- 3 credits of Science**
One credit must be Biology, one credit must be a physical science and one additional credit must be either Chemistry or Physics
- 4 credits of Math**
Algebra A/Algebra B or Algebra I; Geometry or Investigative Geometry; Algebra II; and a fourth credit beyond Algebra II.
- 3 credits of Social Studies**
1.5 must be U.S. History, 1 credit World History, and .5 credit Civics or American Government
- 1 credit of Physical Education**
Weight training, sports, or cheerleading/drill team
One-half credit may be earned from band or ROTC; however, at least one-half credit **MUST** be from physical education.
- .5 credit of Health**
- .5 credit of Fine Arts**
Any course taught by the fine arts department will count.
- 1 credit of Practical Arts**
Any class taught in Business, Agriculture, Family and Consumer Science, Industrial Arts, Career Education, Computer Technology, Medical Professions, or Publications
- 2 credits of Foreign Language (both credits must be in the same language)**
- 4.5 credits of electives**
Elective credits are ANY classes taken in addition to the required courses. It does not matter if those credits are in the elective area or in a core subject area. (The University of Arkansas requires 3 electives to be chosen from foreign language, oral communication, math, science, social studies, or computer science.)
- 24 Total Credits**

Agriculture

May be used as a practical arts credit or electives. Advanced animal science can count as .5 science credit.

All students enrolled in Agriculture are required to have a supervised occupational experience program. The supervised occupational experience program consists of all the practical agriculture activities of educational value conducted by students, outside of class, for which systematic instruction and supervision are provided by their teachers, parents, employers, or others. These activities include:

1. Placement in agriculturally oriented business and jobs
2. Farming programs
3. Plant or animal projects
4. Soil or agriculture mechanics
5. Placement for farm experience

The activity should be closely related to the area of instruction chosen.

491031 Agricultural Business ACME

491032 Agricultural Business CAB

Grade Level: 10, 11, 12— ½ credit - 1 semester

This course is designed for students who want to apply economic principles in analyzing the farm business and making farm management decisions.

491101 Agriculture Mechanics I/Advanced

Agriculture Mechanics ACME

Grade Level: 10, 11, 12— ½ credit - 1 semester

This is a one-semester course designed around welding, oxyacetylene welding, cold metal, sheet metal, tool fitting small gas engines. It will provide students with shop experience beyond the exploratory level.

491181 Animal Science ACME

491183 Animal Science HHS

Grade Level: 10, 11, 12—½ credit - 1 semester

This is an introductory level agriculture class at the high school level. The student will be learning the terms basic to animal science. The student will learn to chart farm animals according to age and sex classification. The areas covered will be: Reproductive Systems and Processes, Breeding Programs, Genetics Nutrition, and Parasites, and Diseases.

491161 Agriculture Structural Systems I ACME

Grade Level: 10, 11, 12—½ credit - 1 semester

The farm structures course is designed to provide experience to the student in farm construction. The various aspects of construction are taught. These include calculating bill-of-materials, layout, footings and foundations, framing, wiring, plumbing, and painting.

491011 Advanced Animal Science ACME

491013 Advanced Animal Science HHS

Grade Level: 10, 11, 12— ½ credit - 1 semester

May also be counted as a .5 science credit.

The students will be learning terms for animal science, and the major areas and types of beef production. The course covers the history and foundations of breeds of beef cattle.

491351 Small Engine Technology ACME

Grade Level: 10, 11, 12— ½ credit - 1 semester

This course is designed to develop the basic skills in operation, maintaining and repairing small gasoline engines as they are related to the agriculture industry.

Agriculture Department Staff
Roger Steele, HHS

Business Education

These courses may be taken as electives or as practical arts credit. Some may be taken as concurrent credit toward a four-year degree or a content specific two-year degree at ASU-MH.

| |
|---------------------------------------------------------------------------|
| <p>Banking and Finance Pathway Sherry Killian - CAB</p> |
|---------------------------------------------------------------------------|

492052 CAB Banking and Finance Principles

Grade Level: 10, 11, 12— ½ credit, 1 semester

Prerequisites: Computerized Accounting I (suggested) or teacher/administrative approval

This is a one-semester course that assists the students in understanding the American banking system. Students study the Federal Reserve System, banking and the economy, functions of depository institutions, and daily transactions of depository institutions. Videos will be applied covering most of the topics introduced. Students will also maintain a checkbook, write checks, and prepare monthly statement reconciliation's. Organizational skills are emphasized in the course work.

492032 CAB Banking and Finance Law

Grade Level: 10, 11, 12— ½ credit, 1 semester

Prerequisite: Banking and Finance Principles

This is a course that assists the student in understanding the legal environment in which depository institutions exist. Students study basic concepts in business law in the areas of contract law, agency law, property law, commercial paper law, and credit law. Guest speakers and local bank tours are incorporated throughout the course. Internet searches are applied to most topics covered.

492042 CAB Banking and Finance Operations/ Teller Training

Grade Level: 10,11,12—½ credit, 1 semester

Prerequisite: Banking and Finance Principles

This is a course that assists the student in understanding the United States payment system and daily operations of depository institutions. Students study regulatory framework, the U. S. payment system, the check collection system, money creation, internal controls, finan-

cial statements, and risks. Students will also complete an automated bank teller simulation activity covering cash handling and vault balancing. Guest speakers and local bank tours are incorporated into the course.

492102 CAB Computerized Accounting I

492101 ACME Computerized Accounting I

Grade Level: 10, 11, 12—1 credit, 2 semesters

Prerequisite: Keyboarding

This is a two-semester course with emphasis on basic accounting principles as they relate to both manual and computerized financial systems. Instruction is on an integrated basis using computers and electronic calculators throughout the course. Entry-level skills in the accounting occupations can be attained. Students will complete an automated activity of a business's monthly work. This course can be taken for concurrent credit from ASU-MH and will apply only to specified two-year degrees.

492112 CAB Computerized Accounting II

Grade Level: 11, 12— 1 credit, 2 semesters

Prerequisite: Computerized Accounting I

This is a two-semester course designed to provide students with the knowledge, understanding, and skill necessary for successful careers in accounting. Partnerships as well as departmental, corporate, and cost accounting systems are components of the course. Emphasis is given to the computerized/automated functions in accounting. Automated business simulations apply to each unit. Recommended grade in Accounting 1 of a B or above. This course can be taken for 3 concurrent credit hours from ASU-MH.

**Computer Technology Software
Applications Pathway
Patty Marion - CAB**

Mountain Home's computer application classes teach the most current software used in industry and educational institutions. The first three classes will be self-paced so that the student can advance to new topics when he/she is ready and possibly complete more than one course in a semester. Only one-half credit will be given during each semester – for the highest-level class completed.

With completion of Computer Applications III, the students will have received the necessary training to prepare them to take the MOUS (Microsoft Office User Specialist) certification testing.

All Students: Computer Applications I and II cover the fundamental computer skills needed to do well in high school and needed in most careers.

College-Bound Students: College-bound students need to complete at least Computer Applications I, II, and III. Some universities are in the process of either doing away with their computer applications courses or making them no-credit courses. The student will be expected to be able to use word processing, spreadsheet, database, presentation, and sometimes web-page software when he/she enters college. The advanced computer applications classes are designed to help prepare students for careers that demand a higher level of computer knowledge, such as business, computer technology, or communications.

492492 CAB Computer Applications I

Grade Level: 10, 11, 12 —1/2 credit, 1 semester
Prerequisite: Successful completion of Keyboarding
Software used: Office XP (Word, PowerPoint, and Excel) and Internet Explorer

In this course, the students will learn the fundamental word processing skills necessary to produce simple documents. He/she will create and edit documents of various types using bullets, numbered lists, special characters, borders and shading, special fonts, and paragraph and line formatting. Internet searching and research skills are heavily stressed in this course to help prepare him/her for other classes. He/she will learn to

create and edit simple spreadsheets using the basic formulas and functions. All students should take this course. If a student has already taken Word Processing I/II or Spreadsheet Applications, he/she will be allowed to test out of the portion of the course that he/she has mastered and will advance to other computer skills.

492502 CAB Computer Applications II

Grade Level: 10, 11, 12— ½ credit, 1 semester
Prerequisite: Computer Applications I
Software used: Office XP (Word, PowerPoint, and Excel) and Internet Explorer

In this course, the student will learn intermediate spreadsheet skills, including formatting numbers, formatting the look of your spreadsheet, using styles, and using common functions. He/she will continue in word processing learning to use sections and headers and footers; print envelopes and labels; use footnotes and endnotes; use, create, and modify styles and templates, and do mail merges. The student will also do a research paper on a topic from another class using Internet research in both MLA and APA styles. Students will complete two independent projects. All students should take this class to have the computer skills needed to do well in their other classes. If a student has already taken Word Processing I/II or Spreadsheet Applications, he/she will be allowed to test out of the portion of the course that he/she has mastered and to advance to other computer skills.

492512 CAB Computer Applications III

Grade Level: 10, 11, 12—½ credit, 1 semester
Prerequisite: Computer Applications II
Software used: Office XP (Word, Excel, Access, PowerPoint, FrontPage) and Internet Explorer.

The student will learn to use advanced word processing skills, to use a database, and to make presentations using PowerPoint. In word processing, he/she will create and edit tables; use columns; insert, crop, and edit graphics; use text boxes and wrap text around graphics; use Word Art. The student will also create a simple web page.

He/she will learn the basics of creating, editing, and using an Access database. He/she will use a wide variety of techniques and effects to make a PowerPoint presentation. If a student has already taken Word Processing I/II or Spreadsheet Applications, he/she will be allowed to test out of the portion of the course that he/she has mastered and to advance to other computer skills.

492532 CAB Advanced Spreadsheets/Database

Grade Level: 10, 11, 12—1/2 credit, 1 semester

Prerequisites: Computer Applications III or Spreadsheet Applications

The student will learn advanced techniques in both spreadsheets and database. In spreadsheets, he/she will use absolute and mixed cell references, use the IF function and VLOOKUP, create and edit charts, use and link multiple workbooks, consolidate worksheets, create pivot tables, and write macros. In database, he/she will create tables using advanced filters, sorts with multiple criteria, default values, input masks, data validation, and lookup fields. From these tables, students will design forms and reports with calculated controls, sorting, grouping, and graphics. Other advanced topics include macros, switchboards, sub forms, sub reports, advanced queries, joins and relationships, and integration with other software applications. Student will complete a final presentation using Word, FrontPage, and/or PowerPoint to display their ability to organize information using a database and analyze it using spreadsheets. If a student has already taken Spreadsheet Applications, he/she will be allowed to test out of the portion of the course that he/she has mastered and to advance to other computer skills.

492152 CAB Desktop Publishing I

Grade Level: 10, 11, 12—1/2 credit, 1 semester

Prerequisite: Word Processing I or Computer Applications II

Desktop publishing is a one-semester course that combines the versatility of the computer with the design software to enable students to produce materials for publication. The course includes page composition, layout, design, editing functions, and a variety of printing options. Students who are on the school newspaper or the yearbook staff will find this class a must!

492162 CAB Desktop Publishing II

Grade Level: 10, 11, 12—1/2 credit, 1 semester

Prerequisite: Desktop Publishing I

Software used: PageMaker 7.0, InDesign, Quark

Advanced desktop publishing is designed to study the process of analyzing information and audience and choosing the appropriate visual signals to communicate the desired message effectively on printed publications. Applied principles are used to analyze and organize information, set up a design structure, and produce special visual expressions. Students who are on the school newspaper or the yearbook staff will find this class a must! This course can be taken for concurrent credit from ASU-MH and will apply only to specified two-year degrees.

492362 CAB Multimedia Applications I

Grade Level: 11, 12— 1/2 credit, 1 semester

Prerequisites: Computer Applications II, Word Processing II, Advanced Computer Concepts, or teacher approval

This course gives students advanced experience in using multimedia to merge text, graphics, and sound. Students will learn about the nature and scope of multimedia in today's world, data compression, animation, CD-ROM's, and audio. Students will edit photos, create gif animations and morphs, as well as using presentation software to incorporate all of the topics covered.

NOTE: Students may take two of these three courses—Multimedia Applications, Computer Concepts, or Advanced Computer Concepts—for 3 hours of ASU-MH concurrent credit.

492372 CAB Multimedia Applications II

Grade Level: 11, 12— 1/2 , 1 semester

Prerequisite: Multimedia Applications I

This course gives students experience in video, video production, and video conferencing. Students will produce multimedia presentations in video as well as planning, designing, and developing web pages.

Career Connections

These courses may be taken as electives or as practical arts credit.

17505 Senior Jobs for Arkansas' Graduates

Grade Level: 12th only - 1 credit - 2 semesters

Prerequisite: Instructor Approval

JAG I, *for seniors only*, is designed to assist students in career decisions and to provide them with basic workplace readiness skills while meeting graduation requirements from high school. The specialist will then assist them in finding employment, technical training, college, and the military options during the year following graduation. With teacher approval, students may earn up to 2 additional credits for a career related job.

493785 Junior Jobs for Arkansas' Graduates

Grade Level: 11 (JAG I Multi-Year Program) - 1 credit - 2 semesters

Prerequisite: Instructor Approval

JAG is designed to assist students in career decisions and to provide them with basic workplace skills. This class leads to the second year of JAG. With teacher approval, students may earn up to 2 additional credits for a career related job.

493795 Jobs for Arkansas' Graduates

Grade Level: 12 (JAG II Multi-Year Program) - 1 credit - 2 semesters

Prerequisite: Successful completion of JAG I and Instructor Approval

The second year of the JAG program is designed to help students graduate from high school with basic workplace skills. The specialist will then assist them in finding employment, technical training, college, or the military options during the year following graduation. With teacher approval, students may earn up to 2 additional credits for a career related job.

493885 Workplace Readiness

Grade Level: 10, 11, 12 — 1/2 credit - 1 semester

Workplace Readiness is a course that teaches the skills needed to succeed in the changing workplace. The course focuses on resources, interpersonal skills, information systems, and technology related to the workplace.

493890 Capstone

Grade Level: 11—second semester only
12—first semester only

1/2 credit - 1 semester

The Capstone course assists students as they transition from high school to post-secondary life. Students will create a Capstone notebook of documents and information necessary to further their education, enter the work force, or enter the military. Examples include resumes; business, college, or military applications; research about career choice, college, or military; etc.

49403(A-Z) Unpaid Internships

Grade Level: 12 — 1/2 credit - 1 semester

To be considered for an academy internship position, a student must possess the following characteristics:

1. Have demonstrated interest in the internship area through course work and extracurricular activities
2. Be on track to graduate
3. Be recommended by a faculty sponsor
4. Complete the MHHS Career Academy Internship Application.

Internships will be listed on the master schedule in 7th and 8th periods as most business/industry internship work will be done on a daily basis for one semester.

Career Connections Department Staff

Shirley Mershon, HHS
Owen Carpenter, ACME
Sherry Killian, CAB

Computer Technology

May be used toward as a practical arts credit or elective credit.

494421 Computer Operations

Grade Level: 10, 11, 12 — 1 credit, 2 semesters

This course is designed to give the student a working knowledge of the hardware and operating systems of a personal computer. The students will learn through “hands-on” labs to assemble a computer and install several operating systems. Also students will install application software and perform tasks related to general operation of a computer.

494401 Computer Diagnostics

Grade Level: 11, 12 — 1 credit, 2 semesters

Prerequisite: Computer Operations

The student will learn basic to advanced diagnostic techniques for computer hardware and operating systems. Students will learn through “hands-on” labs how to solve problems related to the boot process, loading the operating system, hardware maintenance and repair.

494411 Computer Networking

Grade Level: 12 — 1 credit, 2 semesters

Prerequisite: Computer Diagnostics

The student will learn basic networking design and topologies, cabling, network protocols, and network setup and maintenance. Students that apply themselves will have the knowledge to pass the Net + certification exam. This class is for students that do not take Cisco Networking Academy.

590021 Cisco Network Academy I ACME

Grade Level: 10, 11, 12 — 1 credit, 2 semesters

Prerequisite: Must have completed Algebra I and be enrolled in Algebra II. Must be on college track or AP level. No other computer class is required. Instructor approval required.

This course is the first of two Cisco courses that prepare students to take the Cisco Certified Networking Associate (CCNA) certification test. It covers the OSI model, network topologies, IP addressing, basic network design, router configurations, and routing protocols. This

course is primarily an online interactive course designed to accommodate diverse learning styles. In addition to classroom work, students will maintain and modify a complete Cisco Network Academy lab.

560901 Cisco Network Academy II ACME

Grade Level: 11, 12 —1 credit, 2 semester

Prerequisite: Cisco Network Academy I

This course is the second of two Cisco courses that prepare students to take the Cisco Certified Networking Associate (CCNA) certification test. It covers advanced router configurations, advanced LAN switch design, WAN theory and design, PPP, frame relay, ISDN, and network troubleshooting. This course is primarily an online interactive course designed to accommodate diverse learning styles. In addition to classroom work, students will maintain and modify a complete Cisco Network Academy I.

492561 Oracle Database Fundamentals ACME

Grade Level: 11, 12— ½ credit, 1 semester

Prerequisite: Instructor Approval. Students must have completed Geometry and Algebra II. The student should be on a college course track or AP level. No other computer class is required.

This course is largely conceptual. Students are challenged to identify patterns and connections between information that is not obviously related; to identify key underlying business issues in complex scenarios. The many “hands-on” course activities require students to engage in creative problem solving, conceptual and critical thinking, all using inductive reasoning.

492570 Database Programming

Grade Level: 11, 12— ½ credit, 1 semester

Prerequisite: Database Fundamentals with a “C” or better and instructor approval

This course offers students an opportunity to take the conceptual expertise developed in Database Fundamentals and ground it in the physical world of

databases. Using SQL (Structured Query Language), students complete this course knowing an industry-standard language used by companies world-wide for building databases and data management systems. This course covers the concepts of both relational and object relational databases.

Computer Technology Department Staff

Gail Young, ACME

Steve Hatch, ACME

Family and Consumer Science

Credits used as a practical arts credit or as elective credit.

493210 Parenting HHS

Grade Level: 10, 11, 12 — 1 semester, ½ credit

Designed to assist students in developing an understanding of the parenting process and of parenting skills. This course will be useful to anyone who lives with, associates with, or works with children. Emphasis is given to costs of having and raising a child; rights and responsibilities of parents and children; providing nurturance and guidance; prevention of child abuse and neglect; promoting health and safety; parenting a “special needs” child; selection of a child-care provider; and careers relating to children.

493030 HHS Clothing Management

493031 ACME Clothing Management

Grade Level: 9, 10, 11, 12 – 1 semester, ½ credit

Experiences in this course are designed to assist students in developing skills necessary for management of individual and family wardrobes, for decisions making as a clothing consumer, and for understanding the role of the clothing and textile industry in the economy. Upon completion of this course, a student should be able to provide and maintain personal/family wardrobes to meet the needs of individuals. In addition, the student should acquire skills needed for clothing and textiles occupations and develop knowledge of the impact of technology on the clothing and textile industry.

493083 HHS Family and Consumer Science

Grade Level: 9, 10, 11, 12 – 2 semesters, 1 credit

This core course is designed to provide students with

basic information and skills needed to function effectively within the family and within a changing, complex society. Emphasis is given to family and individual health; relationships; arrangement of living space; wardrobe planning; garment care and construction; child development; nutrition, meal planning and preparation; money management; computer use; and career skills.

Upon completion of the course, the student should have developed basic life skills that promote a positive influence on the quality of life. This is a required course for FAC’s to be a vocational completer. Membership in FCCLA is required.

493140 HHS Housing and Interior Design

493141 ACME Housing and Interior Design

Grade Level: 10, 11, 12 – 1 semester, ½ credit

Focuses on personal and family housing needs, options for meeting those needs, and the role of the housing industry in the economy. Emphasis is given to a variety of topics including trends in housing; home construction; art principles as applied to housing and interiors; selection, care, and arrangement of home furnishing and appliances; jobs and careers; and technology in housing. Only offered every other year.

493110 HHS Food and Nutrition

Grade Level: 10, 11, 12 – semester, ½ credit

This course focuses on the development of skills needed to select, prepare, and serve food that meets nutritional needs of individuals and families. Upon completion of this course, students should be able to apply nutritional practices that will have a positive effect on their health.

493200 HHS Nutrition and Wellness

Grade Level: 10, 11, 12 – 1 semester, ½ credit

Nutrition and Wellness emphasizes the interaction of nutrition, foods, sports and exercise for lifelong fitness and well-being of individuals and families. The course focuses on nutrition as it relates to wellness, sports nutrition and food choices throughout the life span. Teaching responsible eating and exercise habits helps students make wise decisions about food choices for active living and weight maintenance. Current technology is used to encourage students to be active learners and develop critical thinking skills to evaluate relevant nutrition and wellness information. In addition, academic skills in the areas of math, science, language arts, and social studies are reinforced.

493133 HHS Food Science

Grade Level: 11, 12 – 1 semester, ½ credit

Prerequisite: Have taken Food and Nutrition or Nutrition and Wellness, or have taken/ be enrolled in Chemistry.

Focuses on the scientific method of study the various relationships between food science, nutrition, and food preparation. Experimental methods are employed to analyze food mixtures, food microbiology, food preserva-

tions, and complex food systems. Due to the expanding field of food science, students are given insight into career possibilities with the education and training needed, as well as up-to-date information regarding technological advances and future trends in food preparation, preservation, evaluation, and utilization of food.

493013 HHS Child Care and Guidance Management and Services

Grade Level: 11, 12 – 2 Semesters, 1 credit

Prerequisite: First preferences will be given to those students who have taken Family and Consumer Science, Child Development, and Parenting.

Experiences in this course are designed to provide students with information and experiences in the occupational field of childcare and guidance management and services. Employment opportunities include childcare and guidance, foster care/family day care, and teacher assistants. Emphasis in this course is given to development of competencies related to employment, understanding the child-care profession, child development, health and safety of children, guiding children’s behavior, caring for children with special needs and problems, planning management of a child-care program, and the effect of technology in child care guidance management and services. During the two-semester course, students must complete a 40-hour pre-employment lab at local day care facility.

**Family and Consumer Science
Department Staff
Delta Johnson, HHS**

Fine Arts

*One-half credit is required for graduation with additional credits becoming electives.
All fine arts classes are cross-academy.*

450025 Introduction to Art

Grade Level: 10, 11, 12 — 2 semesters, 1 credit

Art I is a course intended for students who have had no previous instruction in the fundamentals of art. Art I is taught within the framework of the fundamentals of art: line, shape, texture, space, value, and color. The em-

phasis is to develop an enjoyment and understanding of art as relevant to the environment.

If you had Art I at MHJH you need to take Art II. Art at the 8th grade level does not count.

450005 Art II

Grade Level: 10, 11, 12 — 2 semesters, 1 credit

Prerequisite: Art I (JH Art I counts, but NOT 7th or 8th grade art.)

Students will work with the basic elements of art and the principles of design. Students will be encouraged to experiment with different materials. Emphasis will be placed on color theory. Some study of perspective, still-life, landscape, and figure study is included.

459015 Advanced Art (includes Art III/ Art IV)

Grade Level: 11, 12 — 1 credit, 2 semesters

Prerequisite: Successful completion of previous course.

This course is designed to help the student further develop and discriminate different types of art. The course places emphasis on painting techniques and three-dimensional design. Includes preparation of canvas and air-brush. Art III and Art IV are taught during the same time period, but each has a different curriculum.

459135 Ceramics (includes I, II, III, and IV)

Grade Level: 10, 11, 12 — 1/2 credit, 1 semester

This semester course is designed for beginning students to work with clay and will introduce the three basic hand forming techniques: pinch, coil, and slab; and the two basic sculpture techniques: additive and subtractive.

Ceramics II, III, and IV will build upon the basic building skills but with more independent time to expand on self-expression. They will also do wheel throwing.

451005 Instrumental Music (Band)

Grade Level: 10, 11, 12 — 1 credit, 2 semesters

The Mountain Home High School band is recognized statewide as an outstanding organization. The band plays an important role in school activities and is one of the largest and most colorful student organizations on campus. Organizations within the band include marching band; concert band; pep band for football and basketball; jazz band; and small ensembles. Course is open to students with previous band experience. This course is double blocked; however, students only receive ½ credit per semester.

452045 Choir General Music

Grade Level: 10, 11, 12 — 2 semesters, 1 credit

Choir is the blending together of male and female voices in two, three, and four-part harmony. Emphasis will be placed on developing good singing techniques. All types of music will be sung, and the group will compete in regional and state vocal contests.

416012 Drama

Grade Level: 10, 11, 12 — 1 credit, 2 semesters

Prerequisite: Instructor approval and successful completion of a course in speech or drama is recommended.

This is a performance-oriented course dealing with the nature of theater, techniques of character development and interpretation, and public presentation of a play. Students will be required to compete at a limited number of tournaments. Students will be asked to sign a performance contract.

16532 Theatre Tech

Grade Level: 10, 11, 12 — 1 credit, 2 semesters

This class is designed to train students in the use of theatre sound and lighting techniques through classroom instruction and practical application. Students will assist in production of events held in Dunbar auditorium, including class plays, school programs, community events, etc.

Note: Only taught when a qualified instructor is available to teach the course.

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| <p style="text-align: center;">Fine Arts Department Staff Glynda McNair, Department Chair, CAB Tom Chentnik, CAB Karen Richard, CAB Terre Ware, CAB Clint Pevril, HHS</p> |
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Foreign Language

Two credits of the same language are required for the Arkansas Academic Challenge Scholarship and College Core diploma. Additional credits may be used as electives

442005 German I

Grade Level: 10, 11, 12 — 1 credit, 2 semesters

Prerequisite: C average or higher in English is recommended.

The purpose of this beginning language course is to introduce the student to basic grammar with emphasis on conversation, writing, and reading. It will be attained with the use of up-to-date grammar books, activity tapes, videos, and active classroom participation. As well as grammar and vocabulary, the student will learn about the culture and customs of German speaking countries through reading, singing, dancing, slides, and videos.

442015 German II

Grade Level: 11, 12 — 1 credit, 2 semesters

Prerequisite: German I

This course, which is a continuation of German I, concentrates on the learning of grammar, conversation, reading and writing. It encourages the creativity of the student with independent writing of dialogues and conversation. It enhances reading skills with gradual increase in length and complexity of subject matter. Culture and customs are interwoven through all work. **This course can be taken for 6 concurrent credit hours from ASU-MH.**

442025 German III

Grade Level: 12 — 1 credit, 2 semesters

Prerequisite: German I and II

This course uses the vocabulary, structure, and cultural achievement of the first two years as a basis. It is a review, reinforcement, and expansion of all areas of previous language learning in order to lead the students to express opinions and become involved in various topics of German. Numerous topics provide an in-depth view of current German attitudes and opinions within the framework of the language with which the students are now very familiar and at ease. The sense of accomplishment is foremost in this level of language learning.

440005 Spanish I

Grade Level: 10, 11, 12 — 1 credit, 2 semesters

Prerequisites: C average or higher in English is recommended.

This course offers an introduction to basic grammar, vocabulary, culture and customs of the Spanish language through various instructional techniques with emphasis on listening, reading, writing and speaking.

440025 Spanish II

Grade Level: 11,12 — 1 credit, 2 semesters

Prerequisite: Spanish I

This course provides a continuation of the study of Spanish grammar, vocabulary and culture with the emphasis on conversational ability.

441005 French I

Grade Level: 10, 11, 12 — 1 credit, 2 semesters

Prerequisites: C average or higher in English is recommended.

This course provides introduction for basic grammar, vocabulary, and customs of the French language through various instructional techniques with emphasis on reading, writing and speaking.

441015 French II

Grade Level: 11, 12 — 2 semesters, 1 credit

Prerequisite: C or higher in French I, or teacher recommendation.

This is a continuation of the study of French grammar, vocabulary and culture, with emphasis on conversational ability.

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| Foreign Language Department Staff |
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|-----------------------------------|
| Nancy Reed, Department Chair, HHS |
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| David Rodriguez, ACME |
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|-------------------|
| Lise Stevens, CAB |
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Industrial Arts

May be used as a practical arts credit or electives.

494851 Furniture Manufacturing I

Grade Level: 10, 11, 12 — 2 semesters, 1 credit

Prerequisite: None

Furniture Manufacturing is a wood shop course. Students will become familiar with the methods, materials, machines, tools, and terminology common to cabinets, furniture, shops, and mass production work.

494871 Furniture Manufacturing II

Grade Level: 11, 12 — 2 semesters, 1 credit

Prerequisite: Furniture Manufacturing I or Drafting and Design

This is the study of frame carpentry, furniture making, and trim carpentry. Each area is designed to involve all the processes of residential construction.

494701 Drafting and Design

Grade Level: 10, 11, 12 — 2 semesters, 1 credit

Prerequisite: None

Drafting is a two-part course which introduces the fundamentals and basic techniques common to mechanical and architectural drawing.

494741 Engineering/ CADD I

Grade Level: — ½ credit – 1 semester

Prerequisite: Drafting I and Instructor approval

A program of instruction designed to train students in the use of computer aided drafting (CADD). The student is required to complete CADD drawings in the mechanical area.

494711 Architecture/ CADD I

Grade Level: —1/2 credit – 1 semester

Prerequisite: Engineering/CADD I

A program of instruction designed to follow Engineering/CADD I and used to train students in the use of second stage computer aided drafting (CADD). The student is required to complete CADD drawings in the architectural area.

494481 Construction Fundamentals

Grade Level: — 2 semesters, 1 credit

Prerequisites: Furniture Manufacturing I (recommended) or Drafting and Design and Instructor approval

A program of instruction designed to demonstrate and train students in various occupations involved primarily with residential construction. It is a hands-on experience in carpentry, masonry, electrical, plumbing, painting, roofing, landscaping, etc.

18151 Cabinetry

Grade Level: — 1 credit – 2 semesters

Prerequisite: Furniture Manufacturing I

Advanced woodworking course consisting of various construction methods. This class is used for the furniture and cabinetry needs of the Mountain Home School District.

Industrial Arts Department Staff

Doug VanDolah, ACME

Owen Carpenter, ACME

Language Arts

Four credits of English are required. Oral communications is also required for graduation

411004 Practical (basic) English II

Grade Level: 10 — 2 semesters, 1 credit

412004 Practical (basic) English III

Grade Level: 11 — 2 semesters, 1 credit

412004 Practical (basic) English IV

Grade Level: 12 — 2 semesters, 1 credit

Prerequisite: Successful completion of the previous level of English.

Students are assigned basic English courses based ONLY on standardized testing scores and NOT on low grades. Students who need intensive work with basic grammar and reading skills will be recommended for Practical English. Through simple composition, students and teacher will identify areas of need and work to correct deficiencies. Attention will also be given to developing greater reading comprehension and other reading-related skills. Students will use the computer extensively to work on reading, composition and grammar skills.

411001 – English II ACME

411002 – English II CAB

411003 – English II HHS

Grade Level: 10 — 2 semesters, 1 credit

Prerequisite: Successful completion of the previous level of English.

The course is designed to meet the needs of students who plan to go to college and those who do not. Major emphasis for the course will be on the development and improvement of writing skills. Attention will also be given to helping students develop English test-taking strategies for such standardized tests as the ACT.

412001 – English III ACME

412002 – English III CAB

412003 – English III HHS

Grade Level: 11 — 2 semesters, 1 credit

Prerequisite: Successful completion of the previous level of English.

The course is designed to meet the needs of students who plan to go to college and those who do not. Major

emphasis for the course will be on the development and improvement of writing skills. Attention will also be given to helping students develop English test-taking strategies for such standardized tests as the ACT.

413001 – English IV ACME

413002 – English IV CAB

413003 – English IV HHS

Grade Level: 12— 2 semesters, 1 credit

Prerequisite: Successful completion of the previous level of English.

The course is designed to meet the needs of students who plan to go to college and those who do not. Major emphasis for the course will be on the development and improvement of writing skills. Attention will also be given to helping students develop English test-taking strategies for such standardized tests as the ACT.

21105 Pre-AP English II

Grade Level: 10 — 2 semesters, 1 credit

21115 Pre-AP English III

Grade Level: 11 — 2 semesters, 1 credit

Pre-AP English is designed for those students who already have good control of basic grammar skills and who are interested in intensive literary analysis. Major emphasis will be given to the writing of essays related to the literature studied; the development of critical thinking skills will receive special attention. Students will be required to read extensively outside of class. Those interested in Pre-AP English should consider the following criteria: achievement test scores, past performance in English classes, and teacher recommendation. Pre-AP English is strongly recommended as preparation for Advanced Placement English IV. Course is open to sophomores (Pre-AP English II) and juniors (Pre-AP English III).

417145 AP English Literature and Composition

Grade Level: 12 — 2 semesters, 1 credit

This is a class designed for students who wish to pursue college-level studies while in high school. Participating

colleges will grant college credit in English to those students who do well on the Advanced Placement Test, which is taken at the end of the course. Students will be expected to take the test; the cost will be approximately \$65. In the course, students will be required to accomplish intense college-level reading, writing, interpretation, and critical thinking. Admittance to the program will be based on previous performance. Pre-AP courses are strongly recommended. If student has not taken Pre-AP courses, he/she must be interviewed and supply writing samples.

If one achieves the minimum score on the AP testing at the end of this course, many universities will grant authorized credit/placement. Check the handbook of that institution for more information due to the fact that each one set its own criteria.

81015 College Freshman English I

Grade Level: 12 — 1 semester, ½ high school credit, **3 college hours from ASU-MH**

Substitutes for the first semester of English IV at MHHS and Comp I at ASU-MH. Tuition **MUST** be paid to ASUMH and concurrent credit forms filled out for the college. **No student should sign up to take this course if he or she does not already have a 19 ACT score in English and a 3.0 GPA.** The college will arrange a time for students to pay for the course—this will be done on our campus. Studies and practices the fundamentals of written communication with an emphasis on the various types of essays.

81025 College Freshman English II

Grade Level: 12 — 1 semester, ½ high school credit
3 college hours from ASU-MH

Prerequisite: successful completion of Freshman English I

Substitutes for the second semester of English IV at MHHS and Comp II at ASU-MH. Tuition **MUST** be paid to ASU-MH and concurrent credit forms filled out for the college. Based on reading and discussion of various types of writing, the students' essays will provide practice in different kinds of rhetorical development including research and documentation.

414001 - Oral Communications ACME

414002 - Oral Communications CAB

414003 - Oral Communications HHS

Grade Level: 10, 11, 12 — 1 semester, ½ credit

This course emphasizes the importance of speech, fundamentals of communication, public speaking, speech organization and delivery.

419072 Creative Writing CAB

Grade Level: 10, 11, 12 — 2 semesters, 1 credit

Class limit: 18

This is an elective course that crosses academies. This class is designed for the student who loves to write, wants to write more, and wants to learn more about writing. There are no prerequisites except a love of writing. In this class students will:

1. Write
2. Read good writing
3. Read about writing
4. Critique the writing of others.

Language Arts Department Staff

Neilla Flanagan, HHS, Department. Chairman
Michelle Johnson, HHS
Fran Kemp, CAB
Stephanie McGraw, CAB
Bill Thomas, ACME
Kathy Gonten, ACME
Susan Bergman, Cross
Mary Margaret Pearson, Cross

Mathematics

Four credits are required for graduation.

430015 Integrated Algebra A

Grade Level: — 2 semesters, 1 credit

Prerequisite: No prior credits in mathematics

Integrated Algebra A is a two-semester course designed to introduce the student to the basic concepts of algebra. This course covers the same broad topics as the first semester of Algebra I. The topics include solving equations and inequalities, graphs and tables, functions, relations and patterns, and polynomial operations.

430025 Integrated Algebra B

Grade Level: 10 — 2 semesters, 1 credit

Prerequisite: Integrated Algebra A

Integrated Algebra B is the second year of a two-year sequence designed to complete the beginning algebra sequence. This course covers the same broad topics as the second semester of Algebra I. The topics include non-linear functions and relationships, and patterns and relationships. Completion of Integrated Algebra A and B will complete the state requirement of Algebra I.

431045 Investigating Geometry

Grade Level: 11, 12 — 2 semesters, 1 credit

Prerequisite: Integrated Algebra A and B or teacher recommendation

The purpose of this course is to offer an alternative geometry course for those students earning credit in Integrated Algebra A and Integrated Algebra B. The informal approach encourages self-discovery through an activity-oriented curriculum. The topics covered in this course are the same as those topics covered in Geometry.

431005 Geometry

Grade Level: 10, 11, 12 — 2 semesters, 1 credit

Prerequisite: Algebra I or Integrated Algebra A and B

Geometry is a college prep course designed to introduce and explore the basic concepts of space.

This Geometry combines plane, spatial and coordinate Geometry giving students experience with both inductive and deductive reasoning and an opportunity to strengthen their algebra skills. Geometry is recommended for any student planning to further their education after high school. It would be a must for any student going into mathematics or related fields such as engineering, architecture, and most any field of science.

439135 Algebraic Connections

Grade Level: 12 — 2 semesters, 1 credit

Prerequisites: Algebra I (or Integrated Algebra A and B) and Geometry (or Investigating Geometry)

This course is designed to introduce the student to new and different components of mathematics from an algebraic point of view. These topics will allow learners to solve problems based on real-world situations. Technology is incorporated throughout the entire course.

22105 Pre-AP Algebra II

Grade Level: 10 — 2 semesters, 1 credit

Prerequisite: Geometry

This course is designed for sophomores that completed Geometry in 9th grade and wish to continue in the advanced math program. The curriculum is an enhanced Algebra II that will better prepare the student for success in AP Calculus.

432005 Algebra II

Grade Level: 10, 11, 12 — 2 semesters, 1 credit

Prerequisite: Algebra I (or Integrated Algebra A and B) and Geometry (or Investigative Geometry)

The purpose of this course is to (a) further develop mathematical concepts and principles and to (b) furnish exercise materials and applied problems to strengthen the comprehension of these concepts and principles. It is recommended for students who plan to attend college, and especially to those who will study in such fields as engineering, business, mathematics, and the sciences. It is recommended that you complete Algebra II before taking Chemistry or Physics.

433035 Pre-Calculus

Grade Level: 11, 12 — 1 semester (only offered during first semester), ½ credit

Prerequisite: Algebra II, Geometry or Investigative Geometry

This first semester college prep course is designed to prepare the student for courses in calculus and abstract algebra. It includes the study of linear and non-linear functions, transformations of functions, matrices, systems of equations and real-world applications. The course is technology driven.

433005 Trigonometry

Grade Level: 11, 12 — 1 semester (only offered during second semester), ½ credit

Prerequisite: Algebra II, and Geometry or Investigative Geometry

This second semester course is a fundamental part of the college prep mathematics sequence. It includes the study of the circular functions and their inverses, trigonometric functions and vectors. Any student needing Calculus in their future should take this course as a prerequisite.

439095 Transition Math

Grade Level: 12 — 2 semesters, 1 credit

Prerequisite: Algebra I, Algebra II, and Geometry

This course is intended to build on previous concepts taught in Algebra I, Geometry, Algebra II and to place

emphasis on bringing about a deeper understanding of those mathematical relationships. This course may be completed to satisfy the fourth year of mathematics required for unconditional admission to Arkansas' colleges and universities.

439045 AP Calculus AB

Grade Level: 12 — 2 semesters, 1 credit

Prerequisite: Algebra II, Pre-Calculus, and Trigonometry

This AP course will cover derivatives, integration, limits, and approximation through application and modeling. A multi-representational approach to calculus will be used with concepts, results, and problems being expressed graphically, numerically, analytically, and verbally.

82015 College Algebra

Grade Level: 12 — 1 semester, ½ credit

Prerequisite: Pre Calculus, ACT score of 19 or higher in math, 3.0 GPA

Studies quadratic equations and inequalities; polynomial, rational, exponential, and logarithmic functions; graphing functions, combining functions, inverse functions; solving systems of linear and nonlinear equations; and use of matrices and determinants. Emphasis will be on applications and problem solving. **Students receive 3 hours concurrent credit from ASU-MH for completing the course.**

Mathematics Department Staff

Carol Wegerer, Department Chair, HHS

Joyce Cameron, HHS

Ralph Ingram, HHS

Bill Hughes, ACME

Garrett Rucker, ACME

Amy Fisher, CAB

Norvella Kennedy, CAB

Math Sequencing

(This table represents the most common sequences possible.)

| Grade | Option I | Option II | Option III |
|-------|-----------------------------------|----------------------------------------------------------------------------------------------|----------------------------------------------|
| 8 | Pre-AP Algebra I | ----- | ----- |
| 9 | Pre-AP Geometry | Algebra I | Integrated Algebra A |
| 10 | Pre-AP Algebra II | Geometry | Integrated Algebra B |
| 11 | Pre-Calculus & Trigonometry | Algebra II | Investigating Geometry |
| 12 | AP Calculus | Transitions Math OR Pre-Calculus/Trigonometry OR Pre-Calculus/College Algebra | Algebraic Connections OR Algebra II |

Medical Professions Education

Counts as a practical arts or elective credit.

495343 HHS Intro To Medical Professions

Grade Level: 10-12—1 credit - 2 semesters

Experiences in Introduction to Medical Professions Education are designed to provide students with basic information and skills needed for a career in the health care field. In this comprehensive one-year course, emphasis is given to the development of competencies related to Skills USA, study skills, medical history and events, health care systems, health care careers, personal qualities, medical ethics and legal responsibilities, medical terminology, communication, medical math, nutrition and health, human growth and development, processes of disease, and job-seeking skills upon completion of this course.

17053 HHS Human Body in Health and Disease

Grade: 10-12—½ credit - 1 semester

This course focuses on anatomy and physiology of body systems and the diseases of those systems. Specific areas of study include the basic structure of the human body, processes of disease, and the following body systems; integumentary, skeletal, muscular, circulatory, lymphatic, nervous, sensory, respiratory, digestive, urinary, endocrine, and reproductive. *May also be taken for a .5 science credit.*

495363 HHS Medical Terminology

Grades: 10, 11, 12— ½ credit—1 semester

This course assists students in developing the language used for communication in the health care profession. Areas of study include fundamental word structure, organization of the body, diagnostic and imaging procedures, pharmacology, general medical terms and body systems. *This course may be taken for concurrent credit from ASU-MH.*

495333 HHS Medical Procedures

Grade: 10,11,12—½ credit - 1 semester

Prerequisite: Prior medical professions education course or instructor approval required.

Medical Procedures is a one-semester course which helps students develop specific skills needed in the health care profession. Emphasis is given to the development of competencies related to patient care, patient movement, patient environment, record keeping, clinical skills, documentation of medication, computing dosage, classification and effects of drugs, administration of medication, intravenous therapy, first aid/CPR, vital signs, safety, aseptic procedures, medical emergencies, medical laboratory skills and procedures, and medical assisting.

87053 HHS Certified Nurse's Assistant Course

Grades: 10,11,12 – 1 Credit – 2 semesters

Prerequisite: Minimum age of 16, transportation a valid driver's license, and a parent/student signed contract stating that the student will follow all the guidelines set by the state of Arkansas for CNA certification.

Requirements to become a Certified Nurse's Assistant include a minimum of 75 hours of instruction with 16 hours of clinical experience and passing a skills test and a knowledge test. This course prepares the student to take the skills and knowledge tests to become a certified nurse's assistant. The course will focus on patient rights, confidentiality, infection control, safety, patient movement, bed making, patient hygiene, vital signs, CPR, and patient care skills required for skills testing. *Sixteen hours of mandatory clinical experience is conducted in a healthcare setting, and students will need a uniform and a negative result on the required T.B. skin test.*

495313 HHS Medical Clinical Internship/

Specialization

Grades: 12—1 credit—2 semesters

Prerequisite: Must be a senior, prior medical professional education course with a **B** average, Have own transportation and driver's license, **and instructor approval by application.**

This course will provide classroom and laboratory experiences that prepare students for entry level employment in their career of choice and for entry into a higher level of training through an articulation agreement planned to eliminate repetition of content already mastered. The lab may be provided through cooperative/work-based learning, mentoring, apprenticeship, on-the-job-training, clinical experience, and/or pre-employment labs.

Medical Professions Department Staff
Joan Gross, HHS

N.J.R.O.T.C.

One-half credit may be used as an activity P.E. All credits may be used as electives.

495855 Naval Science I (J.R.O.T.C. I)

Grade Level: 9 — 2 semesters, 1 credit

This is an introductory course. Students learn the basics of military leadership, discipline, courtesy, respect, organization, and drill. Topics include: naval traditions, customs and terminology, naval history, oceanography, geography, basic seamanship and knot tying. Physical fitness training is conducted bi-weekly. Field trips to military bases take place in the spring.

495865 Naval Science II (J.R.O.T.C. II)

495875 Naval Science III (J.R.O.T.C. III)

Grade Level: 10, 11, 12 — 2 semesters, 1 credit

Prerequisite: Naval Science I

Students receive advanced knowledge of military leadership, discipline, courtesy, respect, organization and drill. Topics include leadership and management techniques; naval history, military law, astronomy, navigation, naval strategy tactics, diplomacy, naval weapons and orienteering. Students will build and launch model rockets in the spring. Field trips to military bases also take place in the spring.

15225 Naval Science IV (J.R.O.T.C. IV)

Grade Level: 12 — 2 semesters, 1 credit

Prerequisite: Naval Science III

NS-4 is a leadership seminar providing hands on leadership experiences. Topics include communication, goal setting, planning, organizing, training and lesson development and conduct. Students will design and conduct classroom training.

15235 Lab/Drill Period

Grade Level: 12 — 2 semesters, 1 credit

This period is designed to encompass the Armed Drill Team, Color Guard, and NJROTC Cadet Staff. All JROTC students desiring to participate in these activities must enroll in NJROTC IV in addition to enrolling in the appropriate regular Naval Science Class.

*Students enlisting in the military after high school will begin at pay grade E-2 with successful completion of 2 years NJROTC; pay grade E-3 is given for successful completion of 3 years NJROTC.

N.J.R.O.T.C. Department Staff

LCDR Byron Toole
OS1 (SW) David Mayfield

Publications

Count as elective credit.

11145 Yearbook

Grade Level: 10, 11, 12 — 2 semesters, 1 credit

Prerequisite: Minimum grade of a C in English and completion of an application.

Students will produce the high school yearbook. Staff responsibilities include selling advertising, taking pictures, writing copy, designing layouts, and working with the computer. Students will be expected to develop skills in writing and graphic design. Although a majority of work is accomplished in class, *students will be expected to contribute a significant amount of time outside of class as deadlines demand.* Applications to be on staff will be made to the faculty advisor prior to student registration.

415005 Journalism (Newspaper) Staff

Grade Level: 10, 11, 12 — 2 semesters, 1 credit

Prerequisite: A minimum grade of C in English is recommended and completion of an application.

Students will be introduced to the fundamentals of scholastic journalism through producing the monthly high school newspaper. Emphasis will be on learning basic news writing skills. Attention will be given to feature and editorial writing, reviews, and layout design. Students will have regular class assignments. While much of the work can be accomplished in-class, *staff members will be expected to make a commitment that will involve time after school until deadlines are met.*

Publication Department Staff

Stephanie McGraw, CAB

Kathy Gonten, ACME

Physical Education

One-credit of PE is required for graduation. One-half credit can be earned from band, ROTC, or athletics. One-half must be a PE credit. Health is also required for graduation.

485085 Personal Fitness (Weight Training)

Grade Level: 10, 11, 12 — 1 Semester, 1/2 Credit

The course will offer weight training 3 days per week and lifetime sports related activities 2 days per week. These activities will include golf, softball, tennis, volleyball, basketball, and soccer.

480005 Health and Safety

Grade Level: 10, 11, 12 — 1 Semester, 1/2 Credit.

This course covers units in nutrition, drugs, and alcohol abuse, C.P.R., water safety and first aid.

493995 Driver Education

Grade Level: 10, 11, 12 — 1 Semester, 1/2 Credit

Prerequisite: Valid drivers' permit or license the first day of class.

Driver Education will cover 6 weeks of classroom work, two weeks in the driving simulator (if available), and six weeks of actual behind-the-wheel training.

Physical Education Department Staff

Shane Patrick, HHS

Jason Sanders, CAB

Dell Leonard, HHS

Mark Paden, HHS

Athletics:

Grade Level: 10, 11, 12 — 1 Semester, 1/2 Credit

Students interested in participating in our sports programs should sign up for the PROPER semester that the sport is offered. Football and basketball are both double blocked.

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|---------------|---------------------|---------------------|---|------------|
| 15035 | Football | 2 Semesters | - | 1 credit |
| 15025 | Boy's Basketball | 2 Semesters | - | 1 credit |
| 15125 | Girl's Basketball | 2 Semesters | - | 1 credit |
| 485045 | Volleyball | after school | - | 1/2 credit |
| 485025 | Baseball | 2nd Semester | - | 1/2 credit |
| 485075 | Track and Field | 2nd Semester | - | 1/2 credit |
| 15095 | Golf | after school | - | 1/2 credit |
| 485035 | Soccer | after school | - | 1/2 credit |
| 485055 | Fast Pitch Softball | after school | - | 1/2 credit |
| 485065 | Swimming/Diving | after school | - | 1/2 credit |
| 15085 | Tennis | after school | - | 1/2 credit |
| 15115 | Cross Country | before/after school | - | 1/2 credit |

Science

Three credits are required for graduation.

13005 GIS Science

Grade Level: 11, 12 — 1/2 credit, 1 semester

Prerequisite: Physical Science

This is a one-semester course designed to aid the student in understanding scientific principles through the use of computers. The course will center around computer-based labs using Pasco interfaces with probes designed to collect data generated from many scientific disciplines.

Astronomy

Grade Level: 11, 12 — 1/2 credit, 1 semester

This physical science course involves the study of the history and motion of the sky, the use of telescopes, and makeup of the solar system with emphasis on planetary data as well as information on our star, the sun. Students will also learn about other galaxies, quasars, and the universe. A portion of instruction time will involve viewing the night sky

420095 Environmental Science

Grade Level: 11, 12 — 1/2 credit, 1 semester

Prerequisite: Biology

Broad course that looks at the natural environment and how it functions from chemical, biological and physical perspectives. In addition, it takes a serious look at current problems within the environment, the solutions that exist and the frustrations involved with making sensible change. This will count toward a physical science credit.

420004 General Biology

Grade Level: 10 — 1 credit, 2 semesters

Prerequisite: 45th percentile or below and a problem with science. Teacher recommendation.

Recommended for students who have difficulty with reading and science.

420001 Biology ACME Academy

420002 Biology CAB Academy

420003 Biology HHS Academy

Grade Level: 10 — 1 credit, 2 semesters

This course designed as a general survey of the living world, including the study of both plant and animal life and their relationships to man.

420075 Zoology (HHS)

Grade Level: 11, 12 — 1/2 credit, 1 semester

Prerequisite: Biology with a C or better

This is a broad-spectrum survey of the animal kingdom. Students will engage in developing information on selected taxa of animals, including both invertebrates and vertebrates. Emphasis will be placed on vertebrate taxonomy and systems. A collection of some type will be required.

420065 Botany (HHS)

Grade Level: 11, 12 – ½ credit, 1 semester

Prerequisite: Biology with a C or better

This is a one-semester course that deals with a survey of the plant kingdom emphasizing life cycles, morphology, and physiology as well as taxonomy. Appropriate labs will accompany the various topics. A collection of some type will be required.

421001 Chemistry ACME Academy

421002 Chemistry CAB Academy

421003 Chemistry HHS Academy

Grade Level: 11, 12 —1 credit, 2 semesters

Prerequisite: Completion of Algebra I

Chemistry is the study of substances—what they are made of, how they react with other substances, how they change under different conditions, and why these substances behave as they do. It is an important foundation course for a long list of career fields. Lab work also provides an opportunity for familiarization with lab equipment, techniques, and safety procedures. A strong foundation in algebra is needed and mathematical skills as metrics, significant figures, scientific notation, dimensional analysis, percentages and ratios are stressed.

422001 Physics ACME Academy

422003 Physics HHS Academy

Grade Level 12 - 1 credit, 2 semesters

Prerequisite: Algebra I, Algebra II, and geometry with a “C” or above. Prior completion of trigonometry is highly recommended, but at a minimum, concurrent enrollment is necessary. A calculator with trigonometric and scientific notation functions is needed.

Physics is a useful foundation course for a variety of career fields and contributes to the understanding of such college courses as chemistry, physics, and engineering. This course deals with the nature of physics and each of its major areas, including concepts of motion, mechanics, light, sound and electricity. Classroom and laboratory works are fully integrated.

495303 Human Anatomy and Physiology (HHS)

Grade Level: 11, 12 — 1 credit, 2 semesters

Prerequisite: Biology with a C or better and instructor recommendation

This is an integrated approach to the human organism and its functions. Students will study organization of the body and its ten systems. *This course can be taken for concurrent credit from ASU-MH.*

420125 AP Environmental Science

Grade Level: 11, 12 — 1 credit, 2 semesters

Prerequisite: Biology with a B or better and instructor approval

This course deals with advanced concepts in environmental science. Topics covered include, but are not limited to, populations and their affects on the environment, the role of modern civilization on the future of the earth, and various cycles including nitrogen, carbon, water cycles. There will be A.P. designed laboratory activities to support the many concepts as well as some student generated labs. Students may receive college credit by electing to take and pass an A.P. exam at the end of the year.

420043 Advanced Placement Biology (HHS)

Grade Level: 11, 12 — 1 credit, 2 semesters

Prerequisite: Biology with a B and instructor recommendation

This course consists of the study of molecular and cellular biology, organismal biology and population

biology. Students may receive college credit by electing to take and pass a comprehensive A.P. exam at the end of the year.

Science Department Staff

Randy Flanagin, Department Chair, HHS
Wes Pillow, HHS
Tom Kennedy, HHS
George Sitkowski, ACME
Jeannie Bushey, ACME
Deborah Teems, CAB
Jill Roach, CAB

421011 AP Chemistry (ACME)

421013 AP Chemistry (HHS)

Grade Level: 12 — 1 credit, 2 semesters

Prerequisite: Physical Science, Biology, Chemistry, and Algebra II as well as instructor recommendation

This course deals with advanced concepts in chemistry. Laboratory work and chemical problem solving make up an integral part of this course. Strong math background is necessary. Students may receive college credit by electing to take and pass a comprehensive AP exam at the end of the year.

Social Studies

Three credits are required for graduation: 1.5 credits must be in U.S. History, 1 credit must be in World History, and .5 credit must be in civics or government.

472001 Civics/Government ACME

472002 Civics/Government CAB

472003 Civics/Government HHS

Grade Level: 10, 11, 12 – ½ credit, 1 semester

The study of our American political system at the federal, state, and local levels. Required for graduation and college core.

14111 US History I : Exploration to 1820 ACME

14112 US History I : Exploration to 1820 CAB

14113 US History I : Exploration to 1820 HHS

Grade Level: 10, 11, 12 – ½ credit, 1 semester

It is a survey course covering the period from exploration and discovery through 1860. Required for graduation.

14121 US History II:1820-1917 ACME

14122 US History II: 1820-1917 CAB

14123 US History II: 1820-1917 HHS

Grade Level: 10, 11, 12 – ½ credit, 1 semester

It is a survey course covering the period from the Civil War through the 1920's. Required for graduation.

14131 US History III: 1917 – Present ACME

14132 US History III: 1917 – Present CAB

14133 US History III: 1917 – Present HHS

Grade Level: 10, 11, 12 – ½ credit, 1 semester

Prerequisite: American History I and II

This course begins with the 1930's and continues through the cold war years, the New Frontier, the Great Society, Vietnam and Watergate to the present.

14082 Global Studies (CAB)

Grade Level: 10, 11, 12 – ½ credit, 1 semester

Global Studies stresses the commonalties, rather than the differences, of peoples around the globe. Students will seek to understand global issues, how others view these issues, and effects these issues have on us.

479072 Geography (CAB)

Grade Level: 10, 11, 12 – ½ credit, 1 semester

This is the study of the earth and its features, the distribution of life on the earth, and its effects on humans. This course teaches associations of the world and man's place in the world.

471001 World History ACME

471002 World History CAB

471003 World History HHS

Grade Level: 12 – 1 credit, 2 semesters

A course for the college bound student. World history begins with ancient times and brings us to the present.

479122 Psychology CAB

479123 Psychology HHS

Grade Level: 10, 11, 12 – ½ credit, 1 semester

Study of the important scientific principles of human behavior, with emphasis on their application to personal and social problems.

472004 Basic Civics/Government

Grade Level: 10, 11, 12

See course descriptions above.

44114 Basic US History I

Grade Level: 10, 11, 12

See course descriptions above.

44124 Basic US History II

Grade Level: 10, 11, 12

See course descriptions above.

44134 Basic US History III

Grade Level: 10, 11, 12

See course descriptions above.

471004 Basic World History

Grade Level: 12

Prerequisite: *Teacher recommendation required and enrollment in practical English.*

See course descriptions above.

Basic courses are provided for students with difficulty in reading and social studies

470020 AP US History

Grade Level: 11, 12

Prerequisite: B average in US I and Government

This course is offered for US History II and III credit. It is for students who wish to complete studies equivalent to college introductory courses in US History. Students are expected to complete the College Board AP Exam necessary to obtain college credit at the conclusion of the course.

Social Studies Department Staff

Terry Snyder, Department Chair, ACME

Carol Norris, ACME

Linda Thrasher, CAB

Martha Brazas, CAB

Jenny Hughes, HHS

Chad Dewey, HHS

Extra Class Offerings

999005 Study Hall

Grade Level: 10,11, 12 —2 semesters, **No credit**

A study hall in a student's schedule provides the student additional time within his school day to complete class assignments and to study for up-coming tests. It is a good option for students who are attempting a difficult class load, for students who work after school, or for entering sophomores who are making the transition from the junior high setting to the much more complex high school setting. **Students may have up to two study halls in their schedules providing they are on different days (one odd; one even).** Be sure to keep up with your credits and don't schedule a study hall when you need that credit to graduate.

15135 Cheerleading

Grade Level: 10,11, 12 — 2 semesters, 1 credit
(May count as 1/2 of a P.E. credit)

Students must tryout in the spring and be selected to participate in these activities.

15155 Dance Team

Grade Level: 10,11,12 — 2 semesters, 1 credit (May count as 1/2 of a P.E. credit)

Students must tryout in the spring and be selected to participate in these activities.

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| <p>Extra Class Offerings Staff</p> |
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| <p>Bill Lansing, ACME</p> |
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| <p>Tina Killian, HHS</p> |
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| <p>Joy Bigham</p> |
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Academy Career Connections

Agriculture—ACME &HHS Academies

Career Connections: *agricultural-related businesses, farming programs, government agencies, veterinarian studies*

Agricultural Scientists: animal scientist, soil conservation scientist, dairy scientist, forester, horticulturist, park naturalist, poultry scientist

helpful high school courses: agri courses, biology, environmental science, zoology, English, math

Agricultural-related: business, machinery industry, mechanic, welder

helpful high school courses: metals I, II; agri structures, accounting, math, English

Farm & forestry: animal caretaker, conservation worker, farm management, farm worker, forestry, groundskeeping, horticulture, logger, nursery worker, poultry farmer

helpful high school courses: any of the agriculture course offerings; business, math

Artistic—CAB Academy

Career Connections: *artists, entertainment industries, musicians, printmaking, art education, and lifetime leisure activities*

Communicators: photojournalists, news writers, photographer, playwright, public relations, radio/TV announcers

helpful high school courses: English, publications, speech, theater arts, theater tech, art, word processing, multi-media I,II, desktop I, II

Performing artists: actor, choral director, choreographer, dancer, disc jockey, music arranger, composer, director, musician, producer, singer, and stage director

helpful high school courses: band, choir, art, speech, English, word processing, multi-media, theater arts, theater tech

Visual artists: artist, cartoonist, fashion designer, commercial artist, floral designer, graphic designer, illustrator, industrial designer, interior designer, landscape architect, set designer.

helpful high school courses: art, ceramics, survey of fine arts, English, housing and interior design

Business—CAB Academy

Career Connections: *accounting, banking, clerical, government and private sector business management and administration, personal home financial affairs, communications*

Managers & administrators: accountant, buyer, construction manager, education administrator, financial manager, general business management, property manager, restaurant manager

helpful high school courses: Accounting, English, Word Processing I, II, CT concept courses, banking courses, any business courses

Marketing & sales: cashiers, retail clerk, real estate sales, sales, securities, travel agent

helpful high school courses: Accounting, English, Geography, banking courses, world history

Administrative support: bank teller, bookkeeper, clerical, computer operator, office clerk, receptionist, legal secretary, secretary, teacher aide

helpful high school courses: accounting, English, Word Processing I, II, math, banking classes, any business classes

Healthcare—HHS Academy

Career Connections: *medical physicians, nurses, therapists, pharmacists, health technicians*

Medical physicians: anesthesiologist, cardiologist, chiropractor, dermatologist, dentist, family practitioner, optometrist, orthopedist, pathologist, pediatrician, podiatrist, psychiatrist, radiologist, surgeon

helpful high school courses: English, math, biology, AP biology, chemistry, AP chemistry, human anatomy & physiology; psychology, parenting, food science, zoology, medical profession education classes

Nurses, therapists, pharmacists: dietician, nutritionist, pharmacist, physician assistant, registered nurse, therapists: occupational, physical, recreational; audiologists, public health nurse, nursing home nurse

helpful high school courses: English, math, biology, chemistry, human anatomy & physiology; food science, family consumer science, parenting, psychology; medical profession education classes, zoology, botany

Health technicians: clinical lab, dental hygienist, medical technicians, licensed practical nurse, medical records technician, optician

helpful high school courses: English, math, biology, chemistry, human anatomy & physiology; zoology, botany, medical profession education classes, spreadsheet, word processing I,II

Industrial—ACME Academy

Career connections: *computer programming, repair, systems analyst; jobs in industry, business and service industries*

Production workers: assembler, inspector, boilermaker, machinist, tool & die maker, bookbinder, photoengraver, upholster, woodworker, welder

helpful high school courses: industrial arts, metals I, II; math, English

Transportation workers: bus driver, taxi driver, truck driver, able seaman, operating engineer

helpful high school courses: drivers education, math, English, business courses

Mechanical—ACME Academy

Construction worker: bricklayer, carpenter, carpet installer, concrete mason, drywall installer, electrician, highway maintenance worker, painter, paperhanger, plasterer, plumber, pipefitter, roofer, structural metal work

helpful high school courses: industrial arts, wood-working, building trades, drafting I, II; metals I, II; English, math, cabinetry

Engineers & architects: architect, landscape architect, surveyor, engineering fields: aerospace, ceramic, chemical, civil, electrical, electronic, industrial, mechanical, metallurgical, mining, petroleum

helpful high school courses: industrial arts, building trades, drafting I, II, all CT Concept courses; English, math, physics

Mechanics & repairers: air conditioning service, aircraft mechanic, automotive mechanic, automotive body service, diesel mechanic, maintenance; industrial machinery maintenance

helpful high school courses: industrial arts, metals I, II, CT Concept courses, math, English, small engines, physics

Scientific—HHS & ACME Academies

Life scientists: agricultural scientist, aquatic biologist, biologist, biochemist, botanist, microbiologist, physiologist, zoologist, ecologist, medical scientist, food scientist, conservation scientist, park naturalist

helpful high school courses: biology, AP biology, environmental science, AP environmental science, zoology, botany, chemistry, Algebra II, English, food science

Mathematicians & computer scientists: actuary, computer engineer, computer programmer, computer research analyst, computer systems analyst, system analyst, computer scientist, statistician, mathematician, operations research analyst

helpful high school courses: chemistry, physics, trigonometry, calculus, AP calculus, all CT concept courses, English, statistics

Physical scientists: astronomer, chemist, climatologist, environmental analyst, geographer, geophysicist, hydrologist, meteorologist, mineralogist, oceanographer, paleontologist, physicist, seismologist, soils engineer, stratigrapher

helpful high school courses: biology, environmental science, AP enviro science, chemistry, AP chemistry, physics, zoology, botany, advanced math, English

Service—HHS Academy

Career Connections: cooperative extension services, early-childhood education, dietary and nutritionist careers, food service, home management, teaching

Food service work: baker, bartender, butcher, cook; cafeteria, restaurant, fast food; chef, food preparation worker, waiter/waitress

helpful high school courses: math, English, family consumer science, foods and nutrition, food science, health

Personal & health service work: barber, childcare, cosmetologist, flight attendant, janitor, home health aide, ambulance attendant/driver, dental assistant, medical assistant, nursing aide, orderly, psychiatric aide, occupational therapy aide, pharmacy assistant, physical therapy aide

helpful high school courses: family consumer science, parenting, foods and nutrition, health, biology, chemistry, psychology, math, English, physical education, medical profession courses

Protective service work: correction officer, guard, deputy sheriff, detective, FBI agent, fire fighter, police officer, probation officer, private investigator

helpful high school courses: health, math, English, physical education, psychology, statistics, geography, any computer courses

Social—H.H.S. Academy

Educators: teachers: elementary, preschool, kindergarten, special education, secondary, college, vocational education, adult education; physical training instructor, librarian, counselor

helpful high school courses: biology, zoology, English, math, history, psychology, word processing I, II, multi media I, II, desktop publishing, physical education, health, publications, accounting, family consumer science, parenting

Social & legal work: anthropologist, biographer, clergy, economist, geographer, historian, human services worker, lawyer, marketing research analyst, paralegal, psychologist, recreation worker, social worker, sociologist, urban & regional planner

helpful high school courses: science, English, math, history, psychology, physical education, health, parenting, family consumer science, statistics

Course Codes

These numbers have been added to the end of each course code and mean the following:

- 1 courses in the ACME Academy
- 2 courses in the CAB Academy
- 3 courses in the HHS Academy
- 4 basic courses – all academies
- 5 courses that cross-academy—all academies
- 9 special education courses – cross-academy