

LCHS/FMCTC



PROGRAM OF STUDIES 2021 - 2022

Lewis County Schools

96 Plummers Lane
Vanceburg, KY 41179
606-796-2811
Mr. Jamie Weddington – Superintendent

“Equal Education and Employment Opportunity”

Lewis County High School
79 Lions Lane
Vanceburg, KY 41179
606-796-2823
Mr. Jack Lykins – Principal
Mr. Matt Voiles – Assistant Principal
Mr. Jeremy Ruckel – Assistant Principal
Mr. Kevin Lewis – Counselor
Mrs. Lori Ginn-O’Keefe – Counselor

Foster Meade Career and Technical Center
HWY 10 Lions Lane
Vanceburg, KY 41179
606-796-6106

General Scheduling Information

1. Descriptions for all courses may be found in the online Course Guide which can be viewed at www.lewis.kyschools.us (choose Lewis County High School, then click on 2017-2018 Course Guide). Specific academic requirements are listed on pages 5-6 of the Course Guide.

2. Students will enter their course requests through Request Portal. Each student must ensure they have requested enough courses to fill **7 periods**. If you do not register for a full schedule of classes (7 periods), or if you do not provide 3 alternates, your schedule will be filled with the courses that are available and you will not be permitted to request a schedule change.

3. Please check the course guide for specific course requirements and/or prerequisite courses.

4. **College Ready Math OR English** courses – students not meeting English, reading, and/or math benchmarks on the ACT are required to take a CCR elective. If this section is filled in for you, then you will be placed in the appropriate section. Student placement is mandatory – you cannot request to be removed.

5. **Once course requests have been selected and entered into the Infinite Campus scheduling portal, requests will become a commitment on the part of the student to remain in the requested courses.** Every effort will be made to accommodate the requests indicated; however, the following factors may affect the student's final schedule:

The courses listed in the course guide and on the schedule request form represent possibilities for the 2017-2018 master schedule. If a course listed is not requested by a sufficient number of students during registration, that course will not be included in the master schedule. If that occurs, an alternate course will be substituted.

Based on staffing constraints, students may not receive all courses requested due to the large number of student requests. In scheduling classes, priority is given to upperclassmen.

If a student registers for two courses that are offered in the final master schedule during the same class period, one course will be placed in the student's final schedule and an alternate course will be selected to fill the other class period.

If a student requests a course for which they do not meet the prerequisite, the student's schedule will be adjusted and an alternate course will be used to fill the class period.

Elective courses are rarely offered more than one or two periods per day; therefore, once the master schedule is finalized, students will be expected to remain in the elective course they have requested.

6. Schedule changes will only be considered if the student is academically misplaced, has a duplicate class, lacks a required course for graduation, or does not meet the prerequisite for the course. Students may not request a schedule change based on teacher request.

7. **Final responsibility for choosing your classes belongs to you and your parent.**

LCHS/FMCTC PROGRAM OF STUDIES

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WELCOME

Lewis County High provides a unique and rigorous educational program for each student who attends and wants to obtain an excellent educational experience.

This booklet provides students, parents and members of the community information regarding specific courses which have been carefully crafted into a comprehensive educational program or “program of study.”

The program that is chosen by the student provides the framework for academic course work in grades 9 through 12. To develop and implement an appropriate educational and career plan, it is important that students and parents carefully review the contents of this booklet and work closely with the professional staffs at each of the participating schools.

Please contact any Lewis County High counselor or principal should you have questions regarding the Program of Studies or should you need additional information.

GUIDING PRINCIPLES

1. All students can learn.
2. All students must prepare for lifelong learning.
3. All students will be actively responsible for learning.
4. Student and staff must learn and apply current technologies.
5. Respect for the dignity and worth of each individual is of paramount importance to teaching and learning.
6. Selecting and maintaining a staff of the highest quality are necessary for excellence in education.
7. Participatory staff involvement is vital to the life of the school.
8. Family, community, and business partnerships are essential components for school success.
9. Cultural diversity is valued and should be stressed in the educational process.
10. Data on school performance must be gathered, analyzed, communicated, and utilized for school improvement.

REQUIREMENTS AND POLICIES

Our schools are committed to providing quality academic and technical programs. To be successful in the workplace, to take advantage of post-secondary educational opportunities, or to secure advanced training, students must graduate from Lewis County High School with strong academic and technical backgrounds. Therefore, a challenging program of study has been developed for each career cluster/major.

Each program exceeds the state-mandated graduation requirement including Carnegie unit course work and competency completion. It is our goal for each student graduating from Lewis County High to receive a diploma and a technical/academic certificate.

CLASSIFICATION REQUIREMENTS

FRESHMEN:	Successful completion of grade 8
SOPHOMORE:	5 credits
JUNIOR:	11 credits
SENIOR:	17 credits
TO GRADUATE:	24 credits

GRADING SCALE

LETTER	PERCENT	VALUE
A	90 - 100	4.0
B	80 - 89	3.0
C	70 - 79	2.0
D	60 - 69	1.0
F	59 and Below	0

For weighted courses (see SBDM policy)

A	5.0
B	4.0
C	2.0
D	1.0
F	0

REQUIRED COURSES FOR GRADUATION

GRADE 9—English I or II, Alg I or Geom, Int. Science, World Civ., Health, 2 electives.

GRADE 10—English II or III, Geom or Alg II, Chemistry, Integrated Soc. Studies, 3 electives.

GRADE 11—English and Math aligned with ILP, U. S. History, Biology, 3 electives.

GRADE 12—English and Math aligned with ILP, Fine Arts, 4 electives.

SCHEDULE CHANGES

By the 3rd day of each semester class drop/add will cease. Ten days prior to each semester students will have the ability to change classes for valid purposes. **The only schedule changes for the second semester will be for classes of one semester duration and/or for students who need a class for graduation purposes according to school council policy.** When students schedule, they are requesting courses, not a specific teacher or time. Neither the choice of teacher or time of class is an acceptable reason for dropping a class.

Summa Cum Laude, Magna Cum Laude and Cum Laude

Lewis County High School will no longer recognize the designation of Valedictorian or Salutatorian beginning with the class of 2014.

Students will be recognized using the collegiate based academic system. Students will be recognized as follows:

- Cum Laude 3.50-3.74 having taken and passed 75% of the AP/Honors/College classes offered.
- Magna Cum Laude 3.75-4.00 having taken and passed 75% of the AP/Honors/College classes offered.
- Summa Cum Laude 4.01 and higher having taken and passed 75% of the AP/Honors/College classes offered.

Beta Club members are recognized at graduation by wearing a gold honor stole.

LCHS

GRADUATION REQUIREMENTS

ENGLISH – 4 CREDITS— ENGLISH I, II AND 2 ADDITIONAL ENGLISH LANGUAGE ARTS CREDITS ALIGNED WITH THE STUDENT’S ILP

MATH – 4 CREDITS— ALGEBRA I, GEOMETRY AND TWO ADDITIONAL MATHEMATICS CREDITS ALIGNED WITH THE STUDENT’S ILP

SCIENCE – 3 CREDITS-- AT LEAST 1 ALIGNED WITH THE STUDENT’S ILP

SOCIAL STUDIES – 3 CREDITS— AT LEAST 1 ALIGNED WITH THE STUDENT’S ILP

HEALTH – 1/2 CREDIT

PE, WELLNESS OR ADV. SPORTS SKILLS – 1/2 CREDIT

FINE ARTS – 1 CREDIT OR ANY DUAL CREDIT ARTS CLASS OFFERED IN CONJUNCTION WITH AN ACCREDITED UNIVERSITY, OR AT LEAST ONE CREDIT FROM ONE OF THE FOLLOWING COURSES: BAND, CHOIR, VISUAL ART, DRAMA OR ENGINEERING GRAPHICS

TOTAL OF 24 CREDITS NEEDED TO GRADUATE

- **SUBJECT TO CHANGE PER BOARD POLICY BASED UPON NEW GRADUATION REQUIREMENTS BY KENTUCKY BOARD OF EDUCATION.**

PRE-COLLEGE CURRICULUM (PCC)

The Pre-College Curriculum is comparable to Lewis County High School's, except that the PCC includes 2 consecutive years of a modern foreign language.(Ex. Spanish I and II)

COLLEGE LEVEL PROGRAM - MSU

STUDENT PARTICIPATING IN THE PROGRAM MUST:

- a. HAVE A GPA OF 3.0 OR HIGHER UNLESS ENROLLING IN A DEVELOPMENTAL OR TRANSITION COURSE;
- b. HAVE A JUNIOR OR SENIOR CLASS STANDING;
- c. MEET ANY COURSE REQUIREMENT OR PREREQUISITES SUCH AS ACT SCORES;
- d. HAVE A COUNSELOR RECOMMENDATION;
- e. COMPLETE THE MSU REGISTRATION APPLICATION FOR CLASSES FOR HIGH SCHOOL STUDENTS;
- f. FOLLOW THE POLICIES AND PROCEDURES OF MSU AND LCHS;
- g. ATTEND CLASS BECAUSE ABSENCES MAY NEGATIVELY IMPACT GRADES IN THE COURSE;
- h. MAINTAIN A HS GPA OF 3.0 OR HIGHER AND AN MSU/MCTC GPA OF 2.5 OR HIGHER TO CONTINUE ENROLLING IN MSU/MCTC CLASSES AS A HIGH SCHOOL STUDENT; AND
- i. PURCHASE ANY REQUIRED BOOKS OR EDUCATIONAL SUPPLIES OR MATERIALS THAT ARE NOT SUPPLIED BY LCHS.

COLLEGE LEVEL PROGRAM - MCTC

To help maximize high school student success in dual credit courses and subsequent college/university coursework upon high school graduation, and to maintain the integrity of college-level coursework, this policy has been developed to assess and place 9th through 12th grade high school students in dual credit classes. All KCTCS Colleges will follow these guidelines as written, which align closely with the CPE Admissions and Placement Regulation and align with but do not completely match the general provisions of the KCTCS Assessment and Placement Policy. Limited admissions programs such as Early or Middle College programs will follow those program admission requirements.

As per KHEAA policy, the Dual Credit and Work Ready Kentucky Scholarships may not be used for a course which previously received a scholarship. So, if a student earned an E, F, I or W, they may not use either scholarship to repeat the course. Note that KHEAA success policy is different from KCTCS dual credit course success practices as shown below.

Requirements for enrollment into General Education Dual Credit Courses

- Students must meet:
 - KCTCS's college readiness benchmarks for English AND Reading for enrollment into all non-QR/Math courses;
 - OR Mathematics (at least Meta-Major Pathway benchmarks) for enrollment into all QR/Math courses;
 - AND any course-specific requirements noted in the KCTCS course catalog as appropriate to the desired coursework.
 - Exception: Dual credit students in the 12th grade who assess/place into an English, Math or Reading course with a supplemental course may enroll in that option if offered by their KCTCS College. The corequisite course would be paid at full tuition cost by the student (*pending notification by CPE of any changes*).

 - Students must have a high school grade point average (GPA) of at least 2.5 on a 4.0 unweighted scale.
 - Exception: First semester 9th grade students who do not have a high school GPA may enroll in one general education course if they meet KCTCS college readiness benchmarks as appropriate for their coursework. This requires benchmarks
 - In English AND Reading for enrollment into all non-QR/Math courses;
 - OR the appropriate Mathematics benchmark for enrollment into all QR/Math courses based on the course admission requested;
 - AND any course-specific requirements noted in the KCTCS course catalog as appropriate to the desired coursework.

 - Dual credit students (not including Early or Middle College students) who do not successfully complete a dual credit course with a C or higher¹:
 - If enrolled in 9th or 10th grade, the student may repeat that course or take another dual credit course. The student may only register for one dual credit class the returning semester, and, if applicable, the accompanying corequisite lab. Please note a KHEAA scholarship may not be used to retake a course for which a scholarship has already been utilized.
 - If enrolled in 11th or 12th grade, the student may repeat that course, and, if applicable, the accompanying corequisite lab AND/OR take other dual credit courses. Please note a KHEAA scholarship may not be used to retake a course for which a scholarship has already been utilized.

 - Any dual credit student withdrawing from two or more courses in a session or semester must meet with the College Chief Academic Officer or designee before enrolling for any subsequent session or semester.
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Technical Education Course Requirements

- Students must meet:
 - An ACT Composite Score of 16;
 - OR ACT Mathematics 16 AND ACT Reading 16;
 - OR any accepted equivalent from the KCTCS Assessment and Placement Policy;
 - OR a high school grade point average (GPA) of 2.5;
 - AND any course-specific requirements noted in the KCTCS course catalog.

- Dual credit students (not including Early or Middle College students) who do not successfully complete a dual credit course with a C or higher⁹:
 - If enrolled in 9th or 10th grade, the student may repeat that course or take another dual credit course. The student may only register for one dual credit class the returning semester, and, if applicable, the accompanying corequisite lab. Please note a KHEAA scholarship may not be used to retake a course for which a scholarship has already been utilized.
 - If enrolled in 11th or 12th grade, the student may repeat that course, and, if applicable, the accompanying lab AND/OR take other dual credit courses. Please note a KHEAA scholarship may not be used to retake a course for which a scholarship has already been utilized.

⁹ Students with a D, E, F, or I are considered unsuccessful completers for KCTCS dual credit coursework. Most courses will not transfer or count as a course pre-requisite unless the grade earned is a C or higher.

Kentucky Education Excellence Scholarship (KEES)

Purpose

To enable high school students to earn scholarships for postsecondary study. The program contains incentives designed to award continued achievement as students' progress through high school.

Eligibility Criteria

- Be a Kentucky resident.
- Be enrolled in a Kentucky high school after July 1, 1998.
- Meet the curriculum requirements established by the Kentucky Council on Postsecondary Education.
- Meet the minimum required grade point average (GPA) at the end of any academic year beginning after July 1, 1998.
- Not be a convicted felon.

Program Description

Effective July 1, 1998, high school students began to earn scholarship dollars (called the "base amount") for each year in which they attained at least a 2.5 GPA. In addition, eligible students who achieve at least a composite score of 15 on the ACT by the date of graduation from high school also receive a bonus award. Upon graduation, the base amount that a student has earned in each eligible year of high school is added to the bonus award to determine a total KEES award. Students will generally be eligible to receive their scholarships for a maximum of eight academic terms in an undergraduate program.

The scholarship can be used at any participating accredited public or private institution in Kentucky, including community and technical colleges. For most programs of study, the scholarship must be used within five years of high school graduation. To receive the full amount, students must attend full time. Students attending at least half time, but less than full time receive a proportionate amount; however, each academic term for which a scholarship is received will count as a full academic term, even if the award amount is reduced.

Students enrolled full time will receive the maximum amount for the first two academic terms of postsecondary study. To retain the maximum award for the second year, students must have completed their first two academic terms with a cumulative 2.5 GPA. For subsequent award periods, students must maintain a 3.0 cumulative GPA to retain the maximum award.

Funding and Data Collection

The KEES program will be funded by Kentucky Lottery proceeds. Net lottery revenues will be transferred to the Student Financial Aid and Advancement Trust Fund, administered by the Council on Postsecondary Education (CPE), to provide funding for this program. CPE is also responsible for promulgating regulation regarding KEES.

The Kentucky Department of Education (KDE) is responsible for collecting data from high schools. At the end of each academic year, KDE will transmit to KHEAA a compiled list of all eligible high school students, and by the end of January each year, a list of all eligible students expecting to graduate.

Annual KEES Awards

Listed below are the base scholarship amounts for each GPA. Students earn an award for each year they attain a 2.5 GPA or higher. For instance, a high school student who earns a 2.8 GPA for the freshman year, a 2.4 GPA for the sophomore year, a 3.0 GPA for the junior year, and a 3.20 GPA for the senior year will receive awards of \$200, \$0, \$250, and \$300 for a total base amount of \$750. That \$750 base award will be available for each year of postsecondary study.

GPA	Amount	GPA	Amount
2.50	\$125.00	3.30	\$325.00
2.60	150.00	3.40	350.00
2.70	175.00	3.50	375.00
2.75	187.50	3.60	400.00
2.80	200.00	3.70	425.00
2.90	225.00	3.75	437.50
3.00	250.00	3.80	450.00
3.10	275.00	3.90	475.00
3.20	300.00	4.00	500.00
3.25	312.50		

ACT Bonus Awards

Listed below are the base awards students may earn for an ACT score of 15 or higher. The bonus award is added to the base amount to derive a total award for each year of postsecondary study. Continuing the example from above, if a student who has earned a base award of \$750 scores 23 on the ACT, \$321 will be added to the \$750 for a total annual award of \$1,071 available each year of postsecondary study.

ACT Score	Bonus	ACT Score	Bonus
15	\$36.00	22	286.00
16	71.00	23	321.00
17	107.00	24	357.00
18	143.00	25	393.00
19	179.00	26	428.00
20	214.00	27	464.00
21	250.00	28 or above	500.00

AP Supplement Award Amounts

If you have been eligible for free or reduced-price lunch during any year of high school and have earned a qualifying score on an Advanced Placement (AP) exam taken during or after the 2008-2009 academic year, you can earn a supplemental award. For example, a KEES eligible student who receives a score of 3 on an AP exam and is eligible for free or reduced-price lunch would earn an additional \$200 for each year of college.

Exam Score	Supplemental Amount
3	\$200
4	\$250
5	\$300

COURSE DESCRIPTIONS

Agribusiness or Agriculture Power, Structural and Technical Systems

Principles of Agricultural Science and Technology

Valid Course Code

030715

Course Description

This course provides instruction in the foundations of the various segments of the agricultural industry. Agricultural career opportunities will be emphasized. Animal science, plant and land science, and agricultural mechanics skills will be the focus of the curriculum. The selection and planning of a supervised agricultural experience program and related record keeping will be presented. Leadership development will be provided through FFA. Students will receive personal guidance and counseling with preparatory instructional program selection. (grades 9th) 1 cr.

Agriscience

Valid Course Code

030711

Course Description

Agriscience introduces the scientific agricultural approach to animal science and selection, and plant and land science. Agricultural career opportunities will be emphasized in each class. Laboratory experiences relating to basic and current technology will be part of the program. Content may be enhanced by utilizing appropriate computer applications. Leadership development will be provided through FFA. Each student will be expected to have a supervised agricultural experience program and keep appropriate records. (grades 9-10th) 1 cr.

Agricultural Business / Farm Management

Valid Course Code

010131

Course Description

Prerequisites: Principles of Agricultural Science and Technology or Agriscience

This course introduces the free enterprise system, the study of economic principles, risk management, business law, budgets, finance, recordkeeping, and careers in agribusiness. Basic skills will be developed to manage a farm or agribusiness. Material will include: managing production/inventory, equipment, credit and taxes, market analysis and developing a business/farm plan. Content may be enhanced with appropriate computer applications. Leadership development will be provided through FFA. Each student will be expected to have a supervised agricultural experience program. (grades 10-12) 1 cr.

Agricultural Construction Skills
Valid Course Code
010241

Course Description	Prerequisites: Principles of Agricultural Science and Technology
<p>Prepares students to construct and maintain agricultural structures and equipment. Develops basic skills such as: tool identification, interpreting plans, calculating a bill of materials, electrification, carpentry, welding, metal fabrication, plumbing, and masonry. Content may be enhanced with appropriate computer applications. Leadership development will be provided through FFA. Each student will be expected to have a supervised agricultural experience program. This course may be extended to two credits offered on a two-hour basis provided that instruction is enhanced with laboratory experience, project construction, and in-depth skill development.</p>	

Small Power Equipment
Valid Course Code
010231

Course Description
<p>This course is designed to develop skills in maintenance, repair, and operation of equipment, small combustion-type engine and electric motors. Content may be enhanced with appropriate computer applications. Leadership development will be provided through FFA. Each student will be expected to have a supervised agricultural experience program. (grades 10-12) 1 cr.</p>

Agricultural Power and Machinery Operation
Valid Course Code
010212

Course Description	Prerequisites: Small Power Equipment or Agriculture Construction
<p>This course provides instruction and hands-on experience in basic principles of agricultural machinery assembly, operation, maintenance, service, repair and safety. Content may be enhanced with appropriate computer applications. Leadership development will be provided through FFA. Each student will be expected to have a supervised agricultural experience program. This course may be extended to two credits and offered on a two-hour basis providing the instruction is enhanced with laboratory experience and in-depth skill development. (grades 11-12) 1 cr.</p>	

Greenhouse Technology
Valid Course Code
010641

Course Description	Prerequisites: Principles of Agricultural Science and Technology or Agriscience
<p>Greenhouse Technology provides instruction in greenhouse structures and greenhouse environment regulations. Plant growth and development and propagation are included as well as production and maintenance of bedding and container produced plants. Fundamental principles of vegetable production and commercial production of vegetable crops as well as marketing of horticulture products may be included. Content may be enhanced with appropriate technology. Leadership development will be provided through FFA. Each student will be expected to have a supervised agricultural experience program. (grades 10-12) 1 cr.</p>	

Crop Technology
Valid Course Code
010610

Course Description	Prerequisites: Principles of Agricultural Science and Technology
<p>Crop Technology instruction concentrates on the production practices and current biotechnological applications of one or more agriculture crops. Hands-on experiences will be emphasized. Instruction will include variety selection, seed bed preparation, fertilization, pest, weed and disease control, harvesting, and marketing crops. Current biotechnological applications may be included. Content may be enhanced with appropriate computer applications. Leadership development will be provided through FFA. Each student will be expected to have an agricultural experience program. (grades 10-12) 1 cr.</p>	

Plant and Land Science
Valid Course Code
010611

Course Description	Prerequisites: Principles of Agricultural Science and Technology or Agriscience
<p>Plant and Land Science develops basic scientific knowledge and skills pertaining to management of the land and its effects on food and fiber production, the environment, and the quality of life. The relationship of land to plant growth will be emphasized. Plant composition, reproduction, growth, and current biotechnological advances will be included. Content may be enhanced with appropriate computer applications. Leadership development will be provided through FFA. Each student will be expected to have a supervised agricultural experience program. (grades 10-12) 1 cr.</p>	

BUSINESS-FINANCE & MARKETING EDUCATION

Accounting and Financial Foundations (grades 10-12) Prerequisites: none

This course will provide an introduction to both areas of accounting and finance. Topics will include banking, credit, financial literacy, career exploration, spreadsheet usage, and technical writing. The accounting principles taught in this course are based on a double-entry system and include preparing bank reconciliations, payroll taxes, and financial statements. Detailed career exploration in the various fields of accounting will be available. Technical writing will be provided through IPAC business plan curriculum and exploration of case studies. Leadership development through FBLA (Future Business Leaders of America). (CTC Code 060122)

Financial Services I (grade: 11-12) 1 credit (Course Code 060311) This course will provide an introduction to both areas of accounting and finance. Topics will include banking, credit, financial literacy, career exploration, spreadsheet usage, and technical writing. The accounting principles taught in this course are based on a double-entry system and include preparing bank reconciliations, payroll taxes, and financial statements. Detailed career exploration in the various fields of accounting will be available. Technical writing will be provided through IPAC business plan curriculum and exploration of case studies. Topics include financial planning, buying and borrowing, saving, budgeting, investing, insurance, and taxes. Students will manage the school bank (Students Deposit Bank of Lewis County.) (CTC Code 060311)

Financial Services II (grade 12) 1 credit, Prerequisites: Financial Services I. Financial Services II is a continuation of Financial Services I. Providing opportunities to enhance students' employment portfolio. Students continue to learn and practice financial activities associated with the operation of a bank and other finance-related institutions in addition to assuming management and supervisory responsibilities, including training "new employees." Students will participate in a work-based learning experience Leadership development will be provided through FBLA. **Students will assist in the management of the school bank and train Financial Services I students to work in (Students Deposit Bank of Lewis County).** (CTC Code 060351)

Digital Literacy (grades 9-10) 1 cr. (Dual Credit) Prerequisites: None.

Students will use a computer and application software including word processing, presentation, database, spreadsheets, internet, and email to prepare elementary documents and reports. The impact of computers on society and ethical issues are presented. The impact of computers on society, and ethical issues are presented. Students use a microcomputer and application software, including word processing, database, spreadsheets, presentation software, and the Internet, to prepare elementary documents, reports, and electronic presentations. This course is designed to develop skill in operating a keyboard by touch. This course provides students an opportunity to develop skills through the completion of projects and performance based activities. The experiences apply and reinforce competencies required for employment in the modern business office. (CTC Code 060112)

Advanced Computers/Office Administration (grades 11-12) 1 cr. Prerequisites: Digital Literacy. This course is designed to provide students an advanced-level experience with practical applications through hands-on instruction. Course content will include understanding

of various hardware, software, operating systems, care/operations, administrative applications, and employment skills. Course work is designed to propel students into 21st century business world in positions such as college interns, administrative assistants, and assistant managers. While using high levels of technology learned in previous classes, students will be taught fundamental business procedures such as records management, human resource management, time management, payroll, mail procedures, and ethical decision making skills. A heavy emphasis will be placed on employability skills. The software includes advanced business applications using word processing, presentation, spreadsheets, database management, desktop publishing, and electronic communication. Leadership development will be provided through FBLA. Upon completion of this course, a student will be ready to take the core level tests for MOS Certification and/or the Administrative Support Skill Standard Assessment. (CTC Code 070743)

Microsoft Office Specialist (MOS) (grade 11-12) 1 credit **Prerequisite:** Digital Literacy and permission of the instructor. Microsoft Office Specialist is an extension of Computer and Technology. Students will have the opportunity to increase their computer skills. Advanced functions and integration of Microsoft Word, Excel, Access, and PowerPoint will be taught. Students will work toward MOS/MCAS Certification in one or more of the Microsoft areas. In addition, students will utilize Internet access to complete various projects. Leadership development will be provided through FBLA. (CTC Code 070750)

Personal Finance (grade 12) 1 credit (Senior Math Credit) (Dual Credit)--BAS 120

Prerequisites: None

The goal of the Personal Finance course is to help students to become financially responsible, conscientious members of society. To that end, this course develops student understanding and skills in such areas as money management, budgeting, financial goal attainment, the wise use of credit, insurance, investments, and consumer rights and responsibilities. This course is designed to provide students with the knowledge and skills to manage one's financial resources effectively for lifetime financial security. Topics include economics, money in the economy, budgeting, credit, consumer rights, investments and retirement planning. Throughout the course, students also examine contemporary, real-world ethical dilemmas that individuals commonly encounter when managing their personal finances. Leadership development will be provided through FBLA (Future Business Leaders of America). (CTC Code 080719)

Medical Office Procedures (Grades 11 – 12)

The course introduces the duties and skills required in a medical office. Students will gain skills in medical communications, scheduling, records management and learn procedures to use when preparing patient bills. (CTC Code 070971)

Principles of Marketing (grades 9-12) (Dual Credit--BAS 282)

This course provides a basic foundation for marketing. Students study economic functions at work in the marketplace; marketing functions including purchasing, pricing, and distribution functions. This course is based on the business and marketing core that includes communication skills, economics, financial analysis, and promotion. Both marketing and employment skills learned will improve and increase the student's college and career readiness. (CTC Code 080716)

Advanced Marketing/Sports Marketing (grades 10-12) 1 credit

Prerequisites: Principles of Marketing

This course is designed to enhance marketing skills developed in the marketing prerequisite courses and to learn advanced marketing skills in such areas as advertising, customer service, supervision, and employee/employer relations for a wide range of marketing careers. This course is based on the business and marketing core and includes communication skills, emotional intelligence, economics, marketing, operations, promotion, marketing-information management and financial analysis. Students will study the fundamentals of producing, promoting, and marketing events ranging from professional baseball games to rock concerts. Students will take a step-by-step journey through the world of marketing as it relates to the sports and entertainment industry. Students will learn how products are marketed through sports and entertainment, public relations, promotions, legal issues, and marketing plans. Leadership development will be provided through FBLA and competitive events. (CTC Code 080717)

***Dual credit courses for juniors and seniors through Maysville Community and Technical College.**

Business Education Co-op (grade 12) 1 credit

Cooperative Education for CTE courses provide supervised work site experience related to the student's identified career pathway. A student must be enrolled in an approved capstone course during the same school year that the co-op experience is completed. Students who participate receive a salary for these experiences, in accordance with local, state and federal minimum wage requirements according to the Work Based Learning Guide. (CTC Code 060107)

Marketing Education Co-op (grade 12) 1 credit

Cooperative Education for CTE courses provide supervised work site experience related to the student's identified career pathway. A student must be enrolled in an approved capstone course during the same school year that the co-op experience is completed. Students who participate receive a salary for these experiences, in accordance with local, state and federal minimum wage requirements according to the Work Based Learning Guide. (CTC Code 080707)

DRIVER & TRAFFIC SAFETY EDUCATION

DRIVER AND TRAFFIC SAFETY EDUCATION (grades 10-12) Must be 16 years of age and have a permit by the first day of class.) 1/2 cr.

This course provides classroom and laboratory experiences designed to enable motor vehicle operators to become safe and efficient highway users.

FINE, PERFORMING AND VISUAL ARTS

Advanced Production Design (Graphic Design Advanced) (grade 11)—1 cr.

Prerequisite: Introduction to Media Arts and Two- Dimensional Media Design

This course emphasizes an advanced and independent use of compositional theory, elements and Principles of design, techniques, and creative processes for effectively performing the function of persuasion and information through use of materials and media to create visual effects and produce original authentic works.

BAND (grades 9-12) 1 cr.

Teaches music through group performances. It is an ensemble of wind, brass and percussion players organized to study, rehearse, and perform the repertory for this media. May be repeated for 4 credits.

CHORAL MUSIC I (grades 9-12) 1 cr.

Teaches music through group performance by studying and performing a varied program of music literature. **Concert participation is required.**

FINE ARTS (grade 12) --1 cr.

Survey of beliefs, thoughts, values, traditions, and customs of humankind as reflected in history, art, literature, language and folklore. Emphasis is placed on humankind's attempts to establish a meaningful relationship between the individual and the world.

Introduction to Media Arts (grade 9)—1 cr

This course is an introduction to and survey of the creative and conceptual aspects of designing media arts experiences and productions, including techniques, genres, and styles from various and combined media and forms including moving image, sound, interactive, spatial and/or interactive design.

MEDIA ARTS INTERNSHIP (grade 12)—1 cr.

Prerequisites: Introduction to Media Arts, Two- Dimensional Media Design, Advanced Production Design (Graphic Design Advanced)

Two-Dimensional Media Design (grade 10)—1 cr

Prerequisite: Introduction to Media Arts

This course is a proficient study and production of creative and conceptual aspects of signing and producing digital imagery, graphics, and photography. This includes techniques, genres, and styles from fine arts and commercial advertising, internet and multimedia, web design and industrial and virtual design.

VISUAL ARTS I (grades 9-12) 1 cr.

Course provides instruction in the basic arts areas with emphasis on design, drawing, painting, printmaking, sculpture, and ceramics.

VISUAL ARTS II (grades 10-12) Prerequisite: Visual Art I--1 cr.

Continuation of the Visual Arts I course with higher expectations. A survey of art works, artists, styles of art and architecture from primitive through contemporary times, encompassing various cultures.

VISUAL ARTS III (grades 11-12) Prerequisite: Visual Art II--1 cr.

Course provides in-depth instruction in a combination of at least three areas selected from design, drawing, painting, printmaking, sculpture, ceramics, computer graphics, and commercial art.

VISUAL ARTS IV (grade 12) Prerequisite: Visual Art III--1 cr.

Course is developed in areas selected from design, drawing, painting, printmaking, sculpture, and ceramics.

PHOTOGRAPHY (grades 11-12) Photography will develop and expand their skills in producing both artistic and commercial photographs using digital cameras and equipment.

Access to your own camera is required.

FOREIGN LANGUAGE

SPANISH I (grades 10-12) 1 cr.

Prepares students to: perform interpersonal, interpretive and presentational communicative tasks within the novice range on the ACTFL Proficiency scale; interpret, exchange, and present, information, concepts and ideas both within the classroom and beyond on a variety of topics including connections to other subject areas; and understand the relationship among the products, practices and perspectives of other cultures. In addition, students develop insight into their own language and culture.

SPANISH II (grades 10-12) Prerequisite: Grade of “C” or better in Spanish I unless approved by instructor. Must be taken the following year--1 cr.

Level II in the various languages continues development in the four basic language skills: listening comprehension, speaking, reading and writing.

SPANISH III (grades 11-12) Prerequisite: Grade of “B” or better in Spanish II unless approved by instructor. Must be taken the following year--1 cr.

Level III in the various languages continues development in the four basic language skills: listening comprehension, speaking, reading, and writing. An introduction to literary readings is offered.

SPANISH IV (grade 12) Prerequisite: Spanish III and teacher permission.

Emphasis continues on the culture, customs, and tradition of the people whose language is studied. Literary readings are included and expanded.

HEALTH SCIENCE (PRE-NURSING)

***ALLIED HEALTH CORE SKILLS** (grade 12) 1cr. KDE 170501

Prerequisites: Principles of Health Science, Medical Terminology and Emergency Procedures
Allied Health Core Skills is designed to provide knowledge, concepts, and psychomotor skills necessary for gainful employment as an entry-level health care worker. Assisting students in selecting a career major, classroom instruction and educational objectives are combined with learning experiences, observations, and work based learning opportunity such as internship, shadowing, or clinical rotation.

***PRINCIPLES OF HEALTH SCIENCE** (grades 9-12) 1 cr. KDE 170011

Prerequisites: None

Principles of Health Science is an orientation and foundation for occupations and functions in any health care profession. The course includes broad health care core standards that specify the knowledge and skills needed by the vast majority of health care workers. The course focuses on exploring health career options, history of health care, ethical and legal responsibilities, leadership development, safety concepts, health care systems and processes and basic health care industry skills. This introductory course is a prerequisite for additional courses in the Health Science program.

***BODY STRUCTURES AND FUNCTIONS** (10-12) 1 cr. KDE 170167

Prerequisite: Principles of Health Science

Body Structures and Functions(formerly Basic Anatomy and Physiology) is designed to provide knowledge of the structure and function of the human body with an emphasis on normalcy. The interactions of all body systems in maintaining homeostasis will promote an understanding of the basic human needs necessary for health maintenance, academic knowledge from the life science

core content as it relates to the human body included. Laboratory activities will be a part of the course where appropriate.

EMERGENCY PROCEDURES (11-12) ½ cr. KDE 170141

Prerequisites: Principles of Health Science, Body Structures and Functions

This course will focus on potential emergency situations. It is designed to promote an understanding of standard precautions necessary for personal and professional health maintenance and infection control. Upon successful completion of the course, the student will demonstrate the necessary skills in First Aid and Cardiopulmonary Resuscitation (CPR) and will be given the opportunity to take the completion examination as outlined by the American Red Cross.

***MEDICAID NURSE AIDE** (grade 12) 1 cr KDE 170631

Prerequisites: Principles of Health Science

An instructional program that prepares individuals to perform routine nursing-related services to patients in hospitals or long-term care facilities, under the training and supervision of an approved registered nurse. State Registry is available upon successful completion of state written and performance examination. Prior to offering this course, the instructor and health science program must be approved for meeting state requirements set by the Cabinet for Health and Family Services.

***MEDICAL TERMINOLOGY** (grades 11-12) ½ cr KDE 170131

Prerequisite: None

Medical Terminology is designed to develop a working knowledge of language in all health science major areas. Students acquire word-building skills by learning prefixes, suffixes, roots and abbreviations. Students will learn correct pronunciation, spelling and application rules. By relating terms to body systems, students identify proper use of words in a medical environment. Knowledge of medical terminology enhances the student's ability to successfully secure employment or pursue advanced education in health care.

HEALTH/PHYSICAL EDUCATION AND WELLNESS/FITNESS TRAINING PROGRAM

Health Education (Grade 9) ½ credit

This course emphasizes instruction in the health essential skills areas which are: Community/Consumer Health, Safety and Accident Prevention, Substance use and Abuse, Growth and Development, Personal Health, Family Life, Environmental Health, and Nutrition Education.

Physical Education (Grades 10-12)

The basic physical education course required of all students. A variety of activities which stress the development of basic skills, rhythmic activities, individual, dual and team sports and games, self-testing and physical fitness activities. Also, skill development, rule knowledge and strategy acquisition and lifetime skill development.

Wellness/Fitness Training Center Program (Grades 9-12)

The Wellness FTC class promotes physical and mental discipline for the conditioning and nutritional welfare of the students of Lewis County High School. The course will educate each individual to be a better physically fit individual and make students more aware of their body and how to work. Students will strive to better themselves and will be taught to achieve high overall physical wellness and conditioning.

INDUSTRIAL TECHNOLOGY EDUCATION

Carpentry I

460201 - Introduction to Construction Technology

Grade Level: 10 - 12 **Credits:** 1 **Description:** This course is broad-based with emphasis on all phases of the construction process, including safety; legal and permitting requirements; site selection; excavation; foundation; utilities; framing and structural components; interior and exterior finishing. Topics also include: Tool and equipment selection, safety and use; preventive maintenance; materials inventory, waste management and prevention. **Content:** Construction Technology for Industrial Ed. Credit

460214 - Site Layout and Foundations

Grade Level: 10 - 12 **Credits:** 1 **Description:** Students will prepare materials, calculate the cost for a building site, and lay out a site with a transit, locating property lines and corners. Students calculate the amount of concrete needed for footing and foundation walls and construct different types of foundations and forms. **Content:** Residential/Commercial Carpentry

Carpentry II

460212 - Floor and Wall Framing

Grade Level: 12 **Credits:** 1 **Description:** The student will practice floor framing, layout, and construction of floor frames. Cutting and installing floor and wall framing members according to plans and specifications will also be practiced. **Content:** Residential/Commercial Carpentry
Population: General

460213 - Ceiling and Roof Framing

Grade Level: 12 **Credits:** 1 **Description:** This course covers roof types and combinations of roof types used in the construction industry. The emphasis of this course is on layout, cutting and installing ceiling joists, rafters, roof decking, and roof coverings. **Content:** Residential/Commercial Carpentry **Population:** General

Electrical Technology Pathway

Industrial Electrician Assistant CIP 46.0302.02

This pathway prepares individuals to apply technical knowledge and skills to install, operate, maintain, and repair electric apparatus and systems in residential, commercial, and industrial electric-power wiring, DC and AC motors controls, and electrical distribution panels. The pathway includes instruction in the principles of electronics and electrical systems, wiring, power transmission, safety, industrial and household appliances, job estimation, electrical inspecting and inspection, and applicable codes and standards. Instruction includes the principles of electronics and electrical systems, wiring, power transmission, safety industrial and household appliances, job estimation, electrical testing and inspection, and applicable codes and standards.

BEST PRACTICE COURSES

Complete (4) four credits:

- **460312 Electrical Construction 1**
- **460316 Circuits I**
- **460331 Electrical Motor Controls**
- **460325 Rotating Machinery Electrical Motor Controls**

Circuits I 460316

This course provides an introduction to basic theory of DC and AC circuits, including circuit analysis techniques, introductory magnetism, and transformer principles.

Recommended Grade Level: 9 – 12

Recommended Credit: 1 – 1.5

Electrical Construction I 460312

This course involves the study of materials and procedures used in construction wiring.

Recommended Grade Level: 9 – 12

Recommended Credit: 1

Electrical Motor Controls 460331

This course addresses the diversity of control devices and applications used in industry today. Safety and electrical lockouts are also included.

Recommended Grade Level: 10 – 12

Recommended Credit: 1

Rotating Machinery Electrical Motor Controls 460325

This course focuses on the construction, operation and maintenance of DC motors and generators and AC motors and alternators. This course addresses the diversity of control devices and applications used in industry today. Safety and electrical lockouts are also included.

Recommended Grade Level: 10 - 12

Recommended Credit: 1

Also Teaching The Following for Seniors in Carpentry 2, Welding 2 and Drafting: Both ½ credit and Required for OSHA Certification

Industrial Safety 499930

This course provides practical training in industrial safety. The students are taught to observe general safety rules and regulations, to apply worksite and shop safety rules, and to apply OSHA (Occupational Safety and Health Administration) regulations. Students are expected to obtain certification in first aid and cardiopulmonary resuscitation.

Recommended Grade Level: 9 – 12

Recommended Credit: .5

Construction Prints 460217

This course will provide a series of lectures, demonstrations, and practice exercises in the study of symbols, views, sections, details, and material lists found on architectural working drawings, building materials and specifications lists, and construction dimensioning systems and charts/schedules.

Recommended Grade Level: 10 – 12

Recommended Credit: .5

Computer Aided Drafting

480110 - Introduction to Computer Aided Drafting (grades 9-12) 1cr. (CAD 100)

Prerequisite: None

Uses computer graphic workstation in the application of fundamental principles and capabilities of CAD, basic drafting conventions, and operations. An in-depth study of computer aided drafting commands, terminology, command utilization, and skill development.

480113 - Engineering Graphics (grades 10-12) 1cr. (CAD 112)

Prerequisite: Introduction to Computer Aided Drafting

Includes exploration of lines and planes as they relate to orthographic projection to show the size and shape of objects. Includes application of principles and graphic elements of sectioning to show interior detail; the techniques involved in creating oblique projections, axonometric

projections, and perspective drawings; and the dimensioning techniques and symbol usage common to all drafting disciplines.

480112 - Intermediate Computer Aided Drafting (grades 10-12) 1cr. (CAD 200)

Prerequisite: Introduction to Computer Aided Drafting

Uses CAD software to produce advanced two- and three- dimensional object drawings. Advance techniques of drafting, layering, and symbols associated with one or more design applications. Calculations of perimeters, areas, and mass associated with the drawings.

480136 - Parametric Modeling (grades 10-12) 1cr.

Prerequisite: Introduction to Computer Aided Drafting

This course introduces Parametric Modeling and Design in CAD. The course explores the techniques associated with drafting and design using parametric modeling software. It also introduces the creation of parametric models and explores associative function and flexibility of concurrent part design

219901 - INTRODUCTION TO ENGINEERING DESIGN (10-12 Grade) - 1 cr.

Prerequisite: College preparatory math class. Students use a problem-solving model to improve existing products and invent new ones. They learn how to apply this model to solve problems in and out of the classroom. Using sophisticated three-dimensional modeling software, students communicate the details of the products. Emphasis is placed on analyzing potential solutions and communicating ideas to others.

219902 - PRINCIPLES OF ENGINEERING (10-12 Grade) - 1 cr.

This course is designed to help students understand the field of engineering and engineering technology. Exploring various technology systems and manufacturing processes help students learn how engineers and technicians use math, science and technology in an engineering problem solving process to benefit people. The course also includes concerns about social and political consequences of technological change. Instruction should be enriched through participation in Kentucky Technology Student Association.

219909 - DIGITAL ELECTRONICS (DE) (grades 10-11) – 1 cr.

Prerequisite: Principles of Engineering. This course is the study of electronic circuits that are used to process and control digital signals. Digital electronics is the foundation of all modern electronic devices such as cellular phones, MP3 players, laptop computers, digital cameras, and high-definition televisions. The major focus of the DE course is to expose students to the design process of combinational and sequential logic design, teamwork, communication methods, engineering standards, and technical documentation. This course is designed for 10th and 11th grade students. (HS CODE 594804)

219906 - Engineering Design and Development (Capstone)

Prerequisite: IED and POE

Grade Level: 10 - 12 **Credits:** 1 **Description:** Teams of students, guided by community mentors, work together to research, design, and construct solutions to engineering problems. NOTE TO SCHOOL - this course requires a District agreement with PLTW. You MUST have a current agreement with PLTW to offer this course. **Content:** Pre-Engineering **Population:** General

Welding I

480501 - Cutting Processes

Grade Level: 10 - 12 **Credits:** 1 **Description:** A working knowledge of various cutting processes used by the welding industry. Will include, but is not limited to, safety, theory of operation, setup and operating techniques, troubleshooting, and making minor equipment repairs, terms and definitions, identification, evaluation, repair and prevention of discontinuities of cut surfaces. Includes oxy-fuel cutting, plasma arc cutting, exothermic cutting, air carbon arc cutting, shielded metal arc cutting, and mechanical cutting process. **Content:** Welding **Population:** General

480524 - Basic Welding

Grade Level: 10 - 12 **Credits:** .5 **Description:** This class introduces the student to the art and science of welding. Students learn to prepare the equipment and to perform basic welding operations. (WEX 120/121 may be substituted for WEX 151) **Content:** Welding **Population:** General

Welding II

480521 - Shielded Metal Arc Welding (SMAW)

Grade Level: 9 - 12 **Credits:** 1 **Description:** This course provides experiences in which students acquire the manipulative skills to do groove welds in all positions with backing. **Content:** Welding **Population:** General

480522 - Gas Metal Arc Welding

Grade Level: 9 - 12 **Credits:** 1 **Description:** This course is designed to teach students the identification, inspection, and maintenance of GMAW machines; identification, selection and storage of GMAW electrodes; principles of GMAW; and the effects of variables on the GMAW process. Theory and applications of related processes such as FCAW and SAW and metallurgy are also included. **Content:** Welding **Population:** General

* **Dual credit courses for Juniors and Seniors through Maysville Community and Technical College.**

LANGUAGE ARTS

ENGLISH I (grade 9) 1 cr.

English I continues to develop students' language arts abilities in reading, writing, speaking, and thinking gained in the elementary and middle school. Students study a variety of types of literature and practice the stages of the writing process by composing for a variety of purposes and audiences. Also, includes some applied communication units.

ENGLISH I--HONORS (grade 9) 1 cr.

Accelerated English covering content as in English I at a much faster pace and for college bound students.

ENGLISH II (grade 10) 1 cr.

English II continues the refinement of student's skills in language arts. Students read, respond to, and interpret a variety of types of literature and journalistic writings and continue their study of the writing process. Also, includes some applied communication units.

ENGLISH II--HONORS (grade 10) 1 cr.

Accelerated English covering content as in English II at a much faster pace and for college bound students.

ENGLISH III (grade 11) 1 cr.

English III continues to develop students' competencies in language arts skills. Content includes instruction in oral and written composition; study skills and reference and research techniques; and the historical, cultural and aesthetic significance of American literature. Includes some applied communication units.

ENGLISH III--HONORS (grade 11) 1 cr.

Accelerated English covering content as in English III but at a much faster pace and especially for college bound students.

ENGLISH IV (grade 12) 1 cr.

English IV offers continued refinement of pupil's abilities in language arts skills. Content includes appropriate experiences in oral and written composition and the historical, cultural, and aesthetic significance of English and/or world literature. Some units on applied communication are covered.

ENGLISH IV--HONORS (grade 12) 1 cr.

Accelerated English covering content as in English IV but at a much faster pace and especially for college bound students.

AP LITERATURE AND COMPOSITION (ENGLISH) (grade 12) 1 cr. This course involves intensive study of literature. Students are expected to read complete works of literature outside of class. The course also focuses intensively on writing about literature.

MATHEMATICS

ALGEBRA I (grades 9-12) 1 cr.

To develop strategies for solving non-routine problems and to give students an understanding of algebra by emphasizing concepts, structure and application.

Algebra 1 (Part 1)/Algebra 1 (Part A)/ Algebra 0.5

Grade Level: 9 - 10 Credits: 1/1E Description: This course is the first course of the set of Algebra 1 courses and is designed for students who might need two years (or two semesters in block schedules) to attain all the concepts addressed in a high school Algebra 1 course. Students must pass both courses (270302 and 270303) to earn the Algebra 1 credit for high school graduation.

Algebra 1 (Part 2)/Algebra 1 (Part B)

Grade Level: 9 - 10 Credits: 1/1E Description: This course is the second course of the set of algebra 1 courses and is designed for students who might need two years (or two semesters in block schedules) to attain all the concepts addressed in a high school Algebra 1 course. Students must pass both courses (270302 and 270303) to earn the Algebra 1 credit for high school graduation.

ACCELERATED ALGEBRA I (grade 9) 1 cr.

This course is designed for students who have demonstrated a high level of understanding and proficiency in concepts and skills in elementary math. Students must have good study habits, maturity, and motivation necessary to be successful.

GEOMETRY (grades 10-12) Prerequisite: Algebra I--1 cr.

This course is focused on discovery and realistic applications of geometric relationships and principles.

ACCELERATED GEOMETRY (grades 10-12) Prerequisite: Accelerated Algebra I or Algebra I--1 cr.

This course is designed for students who have demonstrated a high level of understanding of proficiency in concepts and skills in Algebra I. Course is focused on discovery and realistic application of geometric relationships and principles

ALGEBRA II (grades 11-12) Prerequisite: Algebra I--May be taken by 10th grade with special permission--1 cr.

This course is designed to expand the mathematical concepts of Algebra I. Emphasis should be placed on preparation for study of higher mathematics/abstract thinking skills, the function concept and the algebraic solution of problems in various content areas.

ACCELERATED ALGEBRA II (grades 11-12) Prerequisite: Accelerated Algebra I or Algebra I. May be taken in the 10th grade with Accelerated Geometry if approved by Algebra I

teacher--1 cr.

This course is designed for students who have demonstrated a high level of understanding and proficiency in concepts and skills of Algebra I.

PRE-CALCULUS (grades 11-12) --1 cr.

Includes the topics traditionally taught as Trigonometry and Analytic Geometry and integrated additional work with other functions.

AP CALCULUS (grade 12) Pre-requisite: Pre-Calculus

Course designed to meet the requirements of college calculus I. Topics include limits, differentiation and applications, integration and applications. Students have the option of taking the AP Calculus exam for college credit, but are not required to take the exam to receive high school credit.

MILITARY SCIENCE

ARMY JUNIOR ROTC LD-I (ROTC I) (grades 9-12) 1 cr.

Topics taught are: insight into ethical values and principles that underlie good citizenship including integrity, responsibility, and respect for constituted authority; development of leadership potential with attendant abilities to live and work cooperatively with others; knowledge of educational and vocational opportunities to function effectively as a member of the military team; familiarity with the history, purpose, and structure of the military services with emphasis on accomplishments of the US Army; appreciation of the importance of physical fitness in maintaining good health; and, ability to think logically and to communicate effectively both orally and in writing.

ARMY JUNIOR ROTC LD-II (ROTC II) (grades 10-12) Prerequisite: ROTC I--1 cr.

The topics of ROTC I are continued. Leadership development continues on an intermediate level; intermediate map reading; marksmanship; methods of instruction; weapons; drill; battalion organization; the US Army; people, places, and times; leadership theory and selected optional subjects.

ARMY JUNIOR ROTC LD-III (ROTC III) (grades 11-12) Prerequisite: ROTC II--1 cr.

Same course description continues. Leadership development continues on an applied level.

ARMY JUNIOR ROTC LD-IV (ROTC IV) (grade 12) Prerequisite: ROTC III--1 cr.

Course description continues. Leadership development continues on an advanced level.

SCIENCE

Career Path	Welding	Carpentry	Health Science	Art	Engineering	Agriculture	Business	College Prep
9th	Integrated Science I	Integrated Science I	Integrated Science (Honors)	Integrated Science I	Integrated Science (Honors)	Integrated Science I	Integrated Science I	Integrated Science (Honors)
10th	Applied Chemistry	Applied Chemistry	Biochemistry	Applied Chemistry	Advanced Chemistry	Biochemistry	Applied Chemistry	Advanced Chemistry
11th	Environmental Science	Environmental Science	Advanced Biology	Environmental Science	Advanced Biology	Agribiology	Environmental Science	Advanced Biology

All Incoming Freshman

303091 - Integrated Science I

Description: This lab-based introductory course is organized based on the topical structure contained in NGSS. Integrated Science I includes those standards listed not limited to the topics of: Structure and Properties of Matter, Energy, Forces and Interactions, Waves and Electromagnetic Radiation and Earth's Systems. Students will learn these core ideas within these topics through the use of the science and engineering practices and crosscutting concepts. The science and engineering practices are skills students will use as they investigate the natural world and develop solutions to problems. The crosscutting concepts are conceptual ways of thinking that cross the domains of science. A hands on approach to physics concepts with Earth/Space science taught as an integrated course.

Incoming Sophomores will select one course below as determined by ILP pathway. For example, nursing students will take BioChemistry. See table on page 1 for more information.

304521 – Applied Chemistry I

Prerequisite: Integrated Science

Students develop a conceptual understanding of Chemical concepts as connected to physical science portion of NGSS. This course focuses on problem solving techniques, communication, data analysis and connects these skills to big ideas such as Chemical Bonding, Chemical reactions, Intermolecular forces, Equilibrium as tied to the different career pathways (welding, carpentry, etc....) indicated by the ILP. Students develop a conceptual understanding of chemistry content and use mathematical/computational reasoning. Students will learn these core ideas within these topics through the use of the science and engineering practices and crosscutting concepts. The science and engineering practices are skills students will use as they investigate the natural world and develop solutions to problems. The crosscutting concepts are conceptual ways of thinking that cross the domains of science.

304521 – Advanced Chemistry I

Prerequisite: Integrated Science

Students who are college bound will develop a conceptual and mathematical understanding of Chemical concepts as connected to physical science portion of NGSS. This course focuses on problem solving techniques, communication, data analysis and connects these skills to big ideas such as Chemical Bonding, Chemical reactions, Intermolecular forces, Equilibrium. Students will learn these core ideas within these topics through the use of the science and engineering practices and crosscutting concepts. The science and engineering practices are skills students will use as they investigate the natural world and develop solutions to problems. The crosscutting concepts are conceptual ways of thinking that cross the domains of science. AP Chemistry is recommended as a follow up elective is possible.

302611 – Biochemistry

Prerequisite: Integrated Science I

Description: Biochemistry Students will connect Chemistry NGSS standards to career pathways such as medicine and agriculture. They will experience concepts such as Structure and Function, Chemical Reactions and Energy. Some examples of connections made may include biochemical evolution, macromolecules, metabolism, glycolysis, photosynthesis, and respiration. Students will learn these core ideas within these topics through the use of the science and engineering practices and crosscutting concepts. The science and engineering practices are skills students will use as they investigate the natural world and develop solutions to problems. The crosscutting concepts are conceptual ways of thinking that cross the domains of science.

All Incoming Juniors will select one course below as determined by ILP. For example, nursing students will take Advanced Biology 1. See table on page 1 for more information.

302601 – Advanced Biology 1

Prerequisite: Integrated Science I; Applied Chemistry, BioChemistry and/or Advanced Chemistry

Description: Students develop a conceptual understanding of biological sciences. They will experience concepts such as the cellular organization; molecular basis of heredity; biological change; interdependence of organisms; matter, energy and organization in living systems; and behavior of organisms. Students will learn these core ideas through the use of the science and engineering practices and crosscutting concepts. The science and engineering practices are the tools students will use, and skills they develop, as they investigate the natural world, and develop solutions to problems. The crosscutting concepts are conceptual ways of thinking that cross the domains of science. Advanced Biology will address these concepts at an accelerated pace with additional enrichment activities as necessary to meet life science standards via NGSS.

302680 – AgriBiology

Prerequisite: Integrated Science I; Applied Chemistry, BioChemistry and/or Advanced Chemistry

Description: This one-credit course uses agricultural contexts to present the life science content by using NGSS standards. As students study practical agricultural concepts, they apply scientific ways of thinking and working to real-life problems. During their study of agri-biology, students perform many practical tasks. Students develop an understanding of many concepts such as cell structure and function, morphology and physiology of agriculturally significant animals, heredity principles and inheritance patterns, genetic engineering, animal behavior, biological change, interdependence of plants and animals, and the flow of matter and energy through ecosystems. Students will learn these core ideas through the use of the science and engineering practices and crosscutting concepts. The science and engineering practices are the skills students will use as they investigate the natural world, and develop solutions to problems. The crosscutting concepts are conceptual ways of thinking that cross the domains of science.

304620 - Environmental Science

Prerequisite: Integrated Science I; Applied Chemistry, BioChemistry and/or Advanced Chemistry

Description: Students will develop understanding of environmental concepts as such as cycling of matter, biodiversity, earth systems, energy flow and climate, and human impact as determined by NGSS Life science standards. Students will learn these core ideas through the use of the science and engineering practices and crosscutting concepts. The science and engineering practices are the skills students will use as they investigate the natural world and develop solutions to problems. The crosscutting concepts are conceptual ways of thinking that cross the domains of science.

Possible electives for all students:

304526 - AP Chemistry

Prerequisite: Integrated Science I; Applied Chemistry, BioChemistry and/or Advanced Chemistry

Description: The AP Chemistry course provides students with a college-level foundation to support future advanced course work in chemistry. Students cultivate their understanding of

chemistry through inquiry based investigations, as they explore topics such as: atomic structure, intermolecular forces and bonding, chemical reactions, kinetics, thermodynamics, and equilibrium. College credit is earned with a qualifying score on an AP exam.

302646 - AP Biology

Prerequisites: Integrated Science I; Applied Chemistry, BioChemistry and/or Advanced Chemistry; Advanced Biology, Environmental Science or Agribiology.

Description: AP Biology is an introductory college-level biology course. Students cultivate their understanding of biology through inquiry-based investigations as they explore the following topics: evolution, cellular processes - energy and communication, genetics, information transfer, ecology, and interactions. College credit is earned with a qualifying score on an AP exam.

SOCIAL STUDIES

BASIC ECONOMICS (grades 9-12) 1 cr.

Study of how people produce, distribute and consume goods and services. Traditional and market-economic systems are compared to study how we attempt to satisfy our unlimited wants with the limited resources available. History of the American economic system and discussion of American economic policy.

GLOBAL ISSUES (grades 10-12) 1 cr.

Involves students in the reflective examination of persistent issues related to the social, political, and economic facets of human behavior. Explores American issues such as civil rights, Vietnam War, Persian Gulf War, Watergate, and history and culture of selected countries of the world.

INTEGRATED SOCIAL STUDIES (grade 10) 1 cr.

Study of economics, citizenship, government and other social studies elements.

LAW AND JUSTICE (grades 12) Must have special permission to take--1 cr.

Study of law--civil, criminal, constitutional; the judicial system and how it operates.

UNITED STATES HISTORY (grade 10) --1 cr.

After a short review, focus is on the Reconstruction Period to the present, looking at the forces that shaped and continue to shape our political, economic, and social institutions and the impact of those forces on the development of the United States in the 20th Century.

AP US HISTORY (grades 11-12) 1 cr.

This course is designed to provide students with the analytic skills and factual knowledge necessary to deal critically with the problems and materials in US history. Students will learn to assess historical materials – their relevance to a given interpretive problem, their reliability, and their importance.

WORLD CIVILIZATION (grade 9) --1 cr.

Within this course the students will be exposed to different types of culture and geography. Students need geographic knowledge to understand their relationship to the past, present, and future of our world. The course will also consist of different cultures, both past and present. Since we are a multicultural society, students need to be taught the importance of other customs and traditions, viewpoints, social rules, and how other cultures have different ways of life as well as how these cultures have evolved.

AP EUROPEAN HISTORY (grade 12) – 1 cr.

This course will discuss the historical and cultural events that have shaped Europe from the Middle Ages through the modern age. Students will be able to see how the development of Europe from feudal kingdoms to modern nation states has shaped the world economically and culturally.

KENTUCKY STUDIES (Grade Level: 9 – 12) 1 cr.

The Kentucky Studies elective course brings together various elements of Kentucky Studies stressed in the earlier grades. The course focuses on the historical and cultural forces that have influenced the people and the institutions of the Commonwealth. The Kentucky Studies elective should give equal chronological coverage to Kentucky before and after the Civil War. It should stress the role of geography in the state's development and the importance of the regional variations across Kentucky. The customs of the people, their values, their folklore, and their family life should be examined in the context of such forces as agrarianism and urbanism. All of this should be done through the historical context, and should enhance the forces shaping government, politics and social change. Topics of study may be the arts, civil rights, communications, education, environment, labor history, religions, the sciences and transportation.

**** All core areas: English, Math, Science, Social Studies are offered in a standard and advanced level. Students taking Honors or Advanced level courses will have the same content, but can expect to work at a faster pace, and complete more rigorous course work.**

COLLEGE COURSES

ENGLISH 100 – Prerequisite: An ACT subscore of 18 in English

This course is designed to help students understand and develop their writing, reading, and thinking abilities through the production and rhetorical examination of personal and academic texts. This course satisfies the required core---writing I for general education.

ENGLISH 200 – Prerequisites: ENG 100

Builds on skills learned in ENG 100 by leading students to analyze and write critically about readings that are related to one of the area studies within general education. This course satisfies the core---writing II requirement for general education.

COMMUNICATIONS – COMS 108

Practice and study of speech communication fundamentals, including: interpersonal skills; critical listening; small group problem solving; information gathering; preparation and delivery of a variety of informal presentations.

COLLEGE ALGEBRA – MATH 152 Prerequisite: Minimum ACT math subscore of 22.

This course is for students with at least two years of high school algebra experience. The topics covered will extend those learned in previous algebra courses, and therefore a strong algebra background is essential. The course will develop methods of solving linear, quadratic, and general polynomial equations, as well as exponential and logarithmic equations and systems of equations. Real life applications involving these topics will be included. The use of technology as an investigative tool will aid in problem solving. The objectives of the course are to prepare students to succeed in future mathematical and scientific courses or related courses and careers.

COLLEGE INTRO TO STATISTICS – MATH 123 Prerequisite: Minimum ACT math subscore of 19.

Basic concepts of probability, sampling, and the algebra of events. Properties of selected discrete and continuous distributions.

COLLEGE PLANE TRIGONOMETRY – MATH 141 Prerequisite: Minimum ACT math subscore of 22. Trigonometric functions, trigonometric identities, inverse functions, and applications.

COLLEGE PRE-CALCULUS – MATH 174 Prerequisite: minimum ACT math subscore of 24.

Exponential, logarithmic, and trigonometric functions; complex numbers, theory of equations. This course satisfies the required core---math reasoning for general education.

GENERAL MATHEMATICS PROBLEM SOLVING – MAT 131 Prerequisite: minimum ACT math subscore of 19

A course providing the student with experiences designed to improve the ability to make decisions and solve a variety of problems. Emphasis is on learning to investigate, organize, observe, question, discuss, generalize and validate. Mathematical content includes topics which are related to consumer mathematics, geometry, graphs, probability and statistics.

This course satisfies the required core-math reasoning for general education.

ART 100 – Introduction to Arts Administration (*This course will fulfill the credit for Fine Arts*)

Introduces students to the field of arts administration, describing the management structures and professional opportunities found in organizations such as art centers, arts councils, community arts organizations, dance companies, museums, galleries, operas, orchestras and theatres. Examines the type of work carried out by arts administrators through several public relations projects. Lecture: 3 credits (45 contact hours).

BIO 112 — Introduction to Biology

Hours: 3 – Basic study of structure, function and interactions of living organisms including cell theory, genetics energetics, evolution and ecology. Lecture: 3 credits

HIS 108 — History of the United States Through 1865

Hours: 3 – Examines key political, economic, and social topics that have significantly influenced the American experience from the pre-colonial period through the Civil War era. Lecture: 3 credits

HIS 109 — History of the United States Since 1865

Hours 3 – Examine key political, economic, and social topics that have influenced significantly the American experience from Reconstruction through the contemporary era. Lecture: 3 credits

PSY 110 — General Psychology

Hours: 3- Introduces the history, methods and content of modern psychology. Covers the history and systems of psychology, psychological research, physiological psychology, psychological processes, developmental psychology, personality, abnormal behavior and social psychology. Prerequisite: ACT, COMPASS, or ASSET scores for college level reading OR completion of Transitional reading course

PSY 223 — Developmental Psychology

Hours: 3 – Introduces the principles of developmental psychology as seen in human growth over the entire lifespan focusing primarily on infancy through adolescence. Emphasizes theory and data relating to developmental aspects of cognition, language, and personality. Lecture: 3 credits

SOC 101 — Introduction to Sociology

Hours: 3 – Introduces concepts and methods of sociology including investigation of socialization, group processes social inequality, social institutions, and social change Lecture: 3 credits

SPA 101 – ELEMENTARY SPANISH I

Hours: 3 – SPA 101 (spoken approach) introduces basic modes of communication in Spanish. Stresses speaking listening, reading and writing as target skills. Emphasizes everyday language which the students will learn by applying essential grammatical structures to vocabulary. Provides instructional assignments and self-correctional exercises that will be practiced in the classroom. Presents an overview of the culture of various Spanish-speaking countries

SPA 102 – ELEMENTARY SPANISH II

Hours 3 – Continues to highlight the basic modes of communication in Spanish, to include present and past tense. Stresses speaking, listening, reading and writing as target skills. Emphasizes everyday language which the students will learn by applying essential grammatical structures to vocabulary. Presents an overview of the culture of various Spanish-speaking countries.

BIOMEDICAL PROGRAM

PRINCIPLES OF BIOMEDICAL SCIENCES™ - (Grade 9) 1 cr.

Student work involves the study of human medicine, research processes and an introduction to bioinformatics. Students investigate the human body systems and various health conditions including heart disease, diabetes, sickle-cell disease, hypercholesterolemia, and infectious diseases. A theme through the course is to determine the factors that led to the death of a fictional person. After determining the factors responsible for the death, the students investigate lifestyle choices and medical treatments that might have prolonged the person's life. Key biological concepts such as homeostasis, metabolism, and inheritance of traits, feedback systems, and defense against disease are embedded in the curriculum. The course is designed to provide an overview of all the courses in the Biomedical Sciences program and to lay the scientific foundation necessary for student success in the subsequent courses.

HUMAN BODY SYSTEMS™ - (Grade 10) 1 cr.

Students engage in the study of the processes, structures, and interactions of the human body systems. Important concepts in the course include communication, transport of substances, locomotion, metabolic processes, defense, and protection. The central theme is how the body systems work together to maintain homeostasis and good health. The systems are studied as "parts of a whole," working together to keep the amazing human machine functioning at an optimal level. Students design experiments, investigate the structures and functions of body systems, and use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary actions, and respiratory operation. Students work through interesting real world cases and often play the role of biomedical professionals to solve medical mysteries.

PREREQUISITE: Principles of Biomedical Science or bypass from instructor.

MEDICAL INTERVENTIONS™ - (Grade 11) 1 cr.

Students investigate the variety of interventions involved in the prevention, diagnosis and treatment of disease as they follow the lives of a fictitious family. The course is a "How-To" manual for maintaining overall health and homeostasis in the body as students explore how to prevent and fight infection, how to screen and evaluate the code in human DNA, how to prevent, diagnose and treat cancer, and how to prevail when the organs of the body begin to fail. Through these scenarios, students are exposed to the wide range of interventions related to immunology, surgery, genetics, pharmacology, medical devices, and diagnostics. Each family case scenario introduces multiple types of interventions and reinforces concepts learned in the previous two courses, as well as presenting new content. Interventions may range from simple diagnostic tests to treatment of complex diseases and disorders. These interventions are showcased across the generations of the family and provide a look at the past, present and future of biomedical science.

PREREQUISITE: Human Body Systems or bypass from instructor.

BIOMEDICAL INNOVATIONS™ - (Grade 12) 1 cr.

In this capstone course, students apply their knowledge and skills to answer questions or solve problems related to the biomedical sciences. Students design innovative solutions for the health challenges of the 21st century as they work through progressively challenging open-ended

problems, addressing topics such as clinical medicine, physiology, biomedical engineering, and public health. They have the opportunity to work on an independent project and may work with a mentor or advisor from a university, hospital, physician's office, or industry. Throughout the course, students are expected to present their work to an adult audience that may include representatives from the local business and healthcare community. **Students must also enroll in a Biomedical Science Internship. This combination will result in 2 elective credits. Required co-course: Choose one of three internship courses (General Biomedical Science, EKG Technician, or Pharmacy Technician) PREREQUISITE: Medical Interventions or bypass from instructor.** -Page 13-

BIOMEDICAL SCIENCES GENERAL INTERNSHIP (Grade 12) 1 cr.

This course must be completed in conjunction with the PLTW Biomedical Innovations (BI) course during the student's senior year. This internship is completed partially as an independent study course in addition to the BI requirements. In this capstone internship course option, students apply their knowledge and skills during supervised real-world work-related experiences related to the biomedical sciences. Students design and implement an independent project and may work with a mentor or advisor from a university, hospital, physician's office, or industry. Throughout the course, students are expected to present their work to an adult audience that may include representatives from the local business and healthcare community. Students participating in the internship do not receive compensation. **Students must also enroll in Biomedical Innovations. This combination will result in 2 elective credits. PREREQUISITE: Medical Interventions or bypass from instructor.**

BIOMEDICAL SCIENCES EKG TECHNICIAN INTERNSHIP (Grade 12) 1 cr.

This course must be completed in conjunction with the PLTW Biomedical Innovations (BI) course during the student's senior year. This internship is completed partially as an independent study course in addition to the BI requirements. Material covered will include: Anatomy and Electrophysiology of the Heart, The Electrocardiogram; Heart Rate; Regularity; P Waves; QRS Complexes; PR Intervals; Sinus Node Dysrhythmias; Atrial Dysrhythmias; Junctional Dysrhythmias; Ventricular Dysrhythmias; AV Heart Blocks; Electrical Axis; Hypertrophy, Bundle Branch Block, and Pre-excitation; Myocardial Ischemia and Infarction; and Other Cardiac Conditions and the ECG . Students will also be required to document and complete 10 live EKG's under the supervision of the teacher or a health professional. Upon completion of this internship, students are eligible to take the EKG Technician Certification examination in order to obtain national certification. This internship requires supervised on-the-job work experience related to the students' education objectives in the area of EKG Technician. Students participating in the internship do not receive compensation. **Students must also enroll in Biomedical Innovations. This combination will result in 2 elective credits. PREREQUISITE: Medical Interventions or bypass from instructor.**

BIOMEDICAL SCIENCES PHARMACY TECHNICIAN INTERNSHIP (Grade 12) 1 cr.

This course must be completed in conjunction with the PLTW Biomedical Innovations (BI) course during the student's senior year. This internship is completed partially as an independent study course in addition to the BI requirements. Material covered will include: Orientation, Federal Law, Medication Review, Aseptic Techniques, Calculations, and Pharmacy Operations. It is suggested that students complete and document at least the minimum number of hours of observation required by the instructor and/ or interview with a pharmacist or pharmacy technician. Upon completion of this internship, students are eligible to take the Pharmacy Technician Certification Board examination in order to obtain national certification. This internship requires supervised on-the-job work experience related to the students' education objectives in the area of Pharmacy Technician. Students participating in the internship do not receive compensation. **Students must also enroll in Biomedical Innovations. This combination will result in 2 elective credits. PREREQUISITE: Medical Interventions or bypass from instructor.**

LAW AND JUSTICE PROGRAM

LAW AND JUSTICE: INTRO TO LAW AND JUSTICE 1 (Grade 9) 1 cr.

A foundational course that allows you to experience several different areas of the law. Every career needs a strong foundation, and if you are interested in a career in the field of law and justice then Foundations in Law will help you better understand why we live under the rule of law and how laws are created, enforced, interpreted, and changed. The course will allow you to explore diverse issues and areas of law, including constitutional law, criminal law, civil law, and civil rights. Experience the law first hand as you step foot inside our state-of-the-art 21st Century courtroom, conducting trials in front of juries and arguing cases in front of judges. This course provides students with foundations of the legal system and the legislative process. Throughout the course, students will explore careers in law and justice, the different court systems, and balance of powers in the legal system. Demonstrate your knowledge of law and justice in simulated civil and criminal trials. Students will develop analytical, communication, and presentation skills. Be ready to take the stand as you explore the career areas of law and justice!

LAW AND JUSTICE: LEGAL ISSUES (Grade 10) 1 cr.

Building upon the Foundations in Law course, Criminal Justice & Legal Issues provides students with a broad overview of the key components to the criminal and juvenile justice systems. You will learn about historical developments and current practices in criminal law, corrections, and the courts, and explore in greater depth the meaning of crime and justice. Explore the roles and careers of law enforcement, attorneys, judges, corrections officers, and juvenile justice advocates as you conduct investigations, and state and federal criminal cases within a state-of-the-art 21st Century courtroom. Finally, you will be able to meet and present to our highly experienced Advisory Council members comprised of judges, attorneys, officers, political leaders, and professionals from a variety of legal areas.

LAW AND JUSTICE: CRIMINAL INVESTIGATION (Grade 11) 1 cr.

Advanced Criminal Justice & Investigation provides students with a more intensive exploration and application of the key components to the Kentucky criminal and juvenile justice systems, as well as trial procedure. You will learn about current Kentucky practices in criminal law, corrections, and the courts, and explore in greater depth the meaning of crime and justice. Explore the roles and careers of law enforcement, attorneys, judges, corrections officers, and juvenile justice advocates as you conduct investigations, and state and federal criminal cases within a state-of-the-art 21st Century courtroom. Finally, you will participate in and conduct full mock trials to our highly experienced Advisory Council members comprised of judges, attorneys, officers, political leaders, and professionals from a variety of legal areas.

SPECIAL PROGRAMS

(All programs under this category are to be assigned. Students cannot schedule ahead for them. If students want these courses they must list them separately--not as a part of their original class requests. Students for these courses must meet eligibility requirements.)

ARMY JUNIOR ROTC LEADERSHIP COURSE (LDR 1) (Grade 10-12) 1 cr. Prerequisite: Successfully complete ROTC 1--Approval of senior army instructor.

Cadets duties will be to assist the Army Instructor in the teaching of all JROTC classes. They will be instructed on proper use of all leadership skills and how to properly instruct cadets in groups and one on one teaching.

ARMY JUNIOR ROTC LEADERSHIP COURSE (LDR 2) (Grade 11-12) 1 cr. Prerequisite: LDR 1--Approval of senior army instructor.

Same course description continues. Leadership development continues on an applied level.

ARMY JUNIOR ROTC LEADERSHIP COURSE (LDR 3) (Grade 12) 1 cr. Prerequisite: LDR 2. Approval of senior army instructor.

Same course description continues. Leadership development continues on an advanced level.

ARMY JUNIOR ROTC ADVANCED LIFE SKILLS COURSE I (Grade 9-12) 1 cr.

Prerequisite: Approval of Senior Army Instructor. Topics taught are: Consumer Education and Budgeting, Human Relations, Advanced drill with arms, Orienteering, Environmental Awareness, Advanced marksmanship and safety, Computer training, Exhibition Drill, Advanced Physical Education and Wilderness Survival/Safety.

ARMY JUNIOR ROTC ADVANCED LIFE SKILLS COURSE II, III and IV (Grade 10-12) 1 cr. Prerequisite: Approval of Senior Army Instructor. Same Course Description continues on advanced level.

PEER TUTOR (grades 11-12) Must have teacher approval to take--1 cr.

Students receive training and practice in helping special populations during the school day. However, students must be at or above grade level in Reading and math according to ePREP, ACT scores. Students will be assigned after school year begins.

WORLD OF WORK LEVELS I AND II (grades 11-12) Must be part of certain programs to be eligible-- Credits vary

Provides remediation and vocational experiences designed to prepare students for enrollment in regular vocational programs. Provides a continuum of programs and services for those students who may need three or four year program in special vocational education. Provides opportunities to develop knowledge and skills pertaining to the 15 occupational clusters. Work experience may be incorporated. Will be assigned after school year begins.

EXTENDED SCHOOL SERVICES

Monday through Thursday mornings, free tutoring is provided to any student needing assistance in any academic or technical area.

After school activity buses provide transportation to convenient drop-off points in the county.

All students are encouraged to take advantage of this educational opportunity.

