

Community Update – June 9, 2016

In response to questions and comments received at the community input session held on April 9th, the school district will be providing updates to the community. The purpose of these updates will be to provide information about the school district, to respond to previous inquiries, to continue to listen to input, and to receive new inquiries.

The theme for the first community update is to provide a general overview of the school district's academic, athletic, and extracurricular offerings. You may sign up to receive updates directly to your e-mail by visiting the school district website. You may continue to pose questions or provide input by e-mailing Dr. Craig Skaluba, Muncy School District Superintendent at cskaluba@muncysd.org.

Comprehensive Plan

The school district's comprehensive plan serves as a good resource for general information related to the school district. Access to the comprehensive plan is available through the following link:

<http://www.muncysd.org/cms/lib7/PA06000076/Centricity/Domain/3/2015-2018%20Comp%20Plan%20Muncy%20SD.pdf>

Policies

Muncy School District policies are established by the Muncy School District Board of Directors as a way of governing the operations of the school district. All of Muncy School District's policies are available online through the following link:

<http://www.boarddocs.com/pa/munc/Board.nsf/Public>

Handbooks

The elementary school handbook, the high school handbook, and the athletic handbook provide information related to the programs and services offered within the elementary and high school programs.

The elementary school handbook may be accessed through the following link:

<http://www.muncysd.org/Page/878>

The high school handbook may be accessed through the following link:

<http://www.muncysd.org/Page/315>

The athletic handbook may be accessed through the following link:

<http://www.muncysd.org/Page/303>

Curriculum

- **Academic Standards for Student Achievement**

- The Pennsylvania academic standards describe what a student must know or be able to do prior to graduation from public school. These standards will be presented to students through a systematic organization of curriculum, instruction and assessment designed to meet or exceed state and national standards. The district shall provide for attainment of the academic standards as stated in Chapter 4, section 4.12 and consistent with Muncy School District Board Policy 102. The approved Pennsylvania Academic Standards shall guide the district program in the areas of reading, writing, speaking, listening and mathematics. The District currently aligns its curriculum with the following Pennsylvania Standards:
 - Reading, Writing, Speaking and Listening
 - Mathematics
 - Science and Technology
 - Environment and Ecology
 - Social Studies: specifically, civics and government, geography, economics and history
 - Arts and Humanities
 - Career Education and Work
 - Health, Safety and Physical Education
 - Family and Consumer Sciences
 - World Languages
- For students who need additional support to reach academic standards, Title I and special education services are available for each student that meets the criteria for services. Parents and staff members may refer a student for participation in a gifted education program that is instructed by a K-12 gifted education teacher. The gifted education teacher coordinates with regular classroom teachers and course instructors to provide enhanced and enriched activities for each student that meets the criteria for services.

- **Elementary Planned Instruction**

- All elementary age students attending the Muncy School District receive instruction in the core subjects of reading, spelling, math, English, science, and social studies. Kindergarten students receive a full year, full-day program. Additionally, students receive weekly instruction in art, music, physical education, technology, health, and library by certified specialists. Planned courses and curriculum maps outline all subject matter to be taught at

each grade level. Realizing that students vary in their rate of acquisition and retention of material, the Muncy School District provides a variety of instructional activities for students at risk of not meeting academic standards. Title I programs, instructional support services, and special education services are available to students meeting criteria for services.

- Strategies, such as differentiated instruction, guided reading and performance assessment continue to be a major focus of our instructional delivery system. A combination of local, state and national assessments, outlined in the Assessments and Public Reporting section of this plan, are used to monitor student progress and provide feedback to guide our curriculum and professional development.
- Support for gifted learners is provided for students in grades K-6. A district gifted teacher coordinates with regular classroom teachers to provide enhanced and enriched activities for each student that meets the criteria for services.

- **High School Planned Instruction**

- In order to be eligible to graduate from the Muncy School District, a student shall meet the requirements of completing the necessary courses of instruction with passing grades. In compliance with Chapter 4, they will complete a culminating project and demonstrate mastery of the Pennsylvania Academic Standards. The current graduation requirements are as follows:

High School Graduation Requirements

Higher Education

Grades 9-12 (Credit total = 26.50)

<u>Category</u>	<u>Credits</u>
English <i>(includes speech using computer apps)</i>	4.50
Social Studies	4.00
Science <i>(Biology is required)</i>	4.00
Mathematics <i>(Algebra I is required)</i>	4.00
*Foreign Language	1.00
Physical Education/Health	2.00
Electives (2 credits must be in Arts and/or Humanities)	7.00

****Note: Two year sequence is strongly recommended for acceptance into colleges and universities***

Career/Business Education

Grades 9 – 12 (Credit total =26.50)

<u>Category</u>	<u>Credits</u>
English (<i>includes speech using computer apps</i>)	4.50
Social Studies	4.00
Science (<i>Biology is required</i>)	4.00
Mathematics (<i>Algebra I is required</i>)	3.00
Business Technology	5.00
Physical Education/Health	2.00
Electives (2 credits must be in Arts and/or Humanities)	4.00

Lyco CTC Education

Grades 9 – 12 (Credit total = 25.50)

<u>Category</u>	<u>Credits</u>
English (<i>includes speech using computer apps</i>)	4.50
Social Studies	3.00
Science (<i>Biology is required</i>)	3.00
Mathematics (<i>Algebra I is required</i>)	3.00
Physical Education/Health	2.00
Electives (2 credits must be in Arts and/or Humanities)	10.00

Note: Requirements associated with the Keystone Examinations will apply as dictated by state regulations.

Support for gifted learners is provided for students in grades 7-12. A gifted teacher coordinates with regular course instructors to provide enhanced and enriched activities for each student that meets the criteria for services.

Grading System

In grades K - 12, each student receives a report of their school progress at the end of each nine week grading period. The report contains a course grade, achievement, effort and behavior comments for each subject. A copy of the report of school progress is also maintained for the guidance office permanent records. Grades have the following values:

A = 95 - 100 Superior

B = 85 - 94 Above Average

C = 75 - 84 Average

D = 70 - 74 Below Average

E = Below 70 Failing

Junior High Course Offerings

BUSINESS/COMPUTER TECHNOLOGY

Career Technology

(530)

Length: 1 Semester

Grade: 7-8

Meeting/Cycle: Daily

Credit: .50

In 7th grade, students will learn and improve their keyboarding skills by utilizing an online typing program. Students will also become more “cyber smart” learning about internet safety including, but not limited to the following topics: cyber bullying, privacy & security, online relationships & reputations, identity theft, information literacy, etc. Students will create an online portfolio through Bridges Transitions. The Bridges portfolio will provide students with the opportunity to explore and research careers throughout their junior and senior high school years and help them to prepare for life after high school. Microsoft Office suite will be utilized to create various activities and projects.

In 8th grade, students will hone in improving word processing, spreadsheet, power point, and desktop publishing skills by creating a variety of assignments and projects utilizing Microsoft Office software. Students will also learn about child labor laws and jobs minors can have while in high school. Students will create an online portfolio through Bridges Transitions. The Bridges portfolio will provide students with the opportunity to explore and research careers throughout their junior and senior high school years and help them to prepare for life after high school.

ENGLISH

Communications 7

(115)

Length: 1 Year

Grade: 7

Meeting/Cycle: Daily

Credit: 1

This course emphasizes the development and improvement of reading and writing skills. Students will increase reading fluency as well as learn and utilize various comprehension strategies for both fiction and nonfiction. They will develop vocabulary through the study of prefixes, suffixes and root words and improve spelling skills, especially of multi-syllabic words. Students will respond in writing to both fiction and nonfiction on a regular basis. Finally, students will enhance research skills through traditional and electronic means.

Study Skills

(112)

Length: 1 Semester

Grade: 7-8

Meeting/Cycle: Daily

Credit: .50

This course is designed to introduce students to student life at Muncy Jr./Sr. High School and the study skills necessary to be successful in a variety of academic subject areas. The

course is designed to provide students with the necessary “tools” to be more effective and efficient in their learning environments. The course introduces students to high school life by orienting them to the building, the faculty, and the policies. Additionally, since students have different learning styles, this course teaches students how to learn and study using a variety of methods. The strategies that will be taught focus on improving reading comprehension, increasing organization, learning effective note-taking skills, researching techniques, preparing and delivering oral presentations, and test-taking and study strategies. Students will be taught to utilize specific study skills most appropriate to their individual learning style.

Communications 8

(133)

Length: 1 Year

Grade: 8

Meeting/Cycle: Daily

Credit: 1

This course is designed to improve the reading skills of students. Students will be introduced to strategic approaches for various tasks such as vocabulary development, literal comprehension, inferential comprehension, and evaluative comprehension. Students will identify specific details, draw conclusions, and identify the genre of reading materials.

Reading

(138)

Length: 1 Semester or 1 Year

Grade: 7-8

Meeting/Cycle: Daily

Credit: .50 or 1

This course is designed to improve student reading skills ranging from letter-sound correspondence and syllabification to reading fluency and comprehension. Special emphasis will be given to spelling, reading literature aloud and responding in writing to literature.

English 7

(110)

Length: 1 Year

Grade: 7

Meeting/Cycle: Daily

Credit: 1

This course covers all components required by the state standards: speaking, writing, reading, and analyzing the spoken or written word. Students will read and interpret novels, short stories, poems, and plays. Emphasis will be placed on paragraph writing specifically working to enhance students’ ability to express themselves with more depth. Students will be required to prepare and present information orally. In addition, they will research a topic, organize information, and construct a paper. Two cross-curricular units will help enhance the learning experience. A continual emphasis is placed on using the parts of speech correctly and writing complete sentences-- void of fragments and run-ons. Students are expected to use proper punctuation, correct spelling, and capitalization.

English 8
(120)

Length:1 Year
Meeting/Cycle: Daily

Grade:8
Credit: 1

This course places an emphasis on many literary genres and focuses on both literature and the English language. Areas of study include speaking, writing, reading and analyzing literature, and grammar study. Novels, short stories, poems, and plays are investigated. Projects and lessons utilize research, writing, vocabulary study, and discussion. A clear focus is on preparation for the PSSA writing and reading exams. Learning correct grammar, spelling, punctuation and mechanics is enforced as well as learning and using new vocabulary in context.

WORLD LANGUAGES

Introductory Spanish
(623)

Length:1 Semester
Meeting/Cycle: Daily

Grade: 8
Credit: .50

This course provides students with an introduction to the Spanish culture and the opportunity to learn basic Spanish vocabulary. A wide variety of Hispanic countries and customs will be examined. In addition, students will develop a basic Spanish-speaking vocabulary. Correct pronunciation will be stressed.

Spanish for Teens
(627)

Length: 1 Semester
Meeting/Cycle: Daily

Grade: 7-8
Credit: .50

Do teenagers in Hispanic countries tweet? What type of music do students listen to in Mexico? What is the latest fashion in Spain? Spanish for Teens will examine the life and culture of a typical teenager living in a Spanish speaking country. Students will learn Spanish words and phrases that are frequently used in the world of young adults. Topics will include: forms of technology, entertainment, travel and leisure, fashion and design, street slang, and dating.

MATHEMATICS

Math 7
(410)

Length: 1 Year
Meeting/Cycle: Daily

Grade 7
Credit: 1

This course is intended to lay the foundation for Pre- Algebra and to prepare students for the PSSA Grade 7 Assessment. Units include (1) ratios and proportional relationships, (2) the number system, (3) expressions and equations, (4) geometry, (5) statistics and probability. An emphasis will be placed on mathematical thinking and reasoning life applications.

Pre-Algebra
(420)

Length: 1 Year

Grade: 7 or 8

Meeting/Cycle: Daily

Credit: 1

This course is intended to lay the foundation for Algebra I and to prepare students for the PSSA Grade 8 Assessment. Topics include: (1) algebraic expressions and integers; (2) solving equations (one-, two- and multi-step) with integers, decimals and fractions; (3) solving inequalities; (4) rules for exponents; (5) ratios, proportions and percent's; (6) greatest common factor and least common multiples, including with variable expressions; (7) data analysis; (8) counting principles; (9) introduction to linear functions and graphing; and, (10) areas and volumes.

Algebra I
(432)

Length: 1 Year

Grade: 8 or 9

Meeting/Cycle: Daily

Credit: 1

This course involves the study of the basic structure of algebra from real numbers through algebraic functions to prepare students for the Keystone Algebra I Exam. This course involves exploration of such math concepts as operations with real numbers, variables, solutions and graphs of equations and inequalities, real-world problems, and operations with polynomial functions and rational expressions. This mathematics course connects algebra to the real world and to other subjects.

PHYSICAL/HEALTH/SAFETY EDUCATION

Health 7
(915)

Length: 1 Semester

Grade: 7

Meeting/Cycle: Daily

Credit: .50

Seventh grade health focuses on the student and his/her relationship with others. Subject material and activities will focus on mental health, social health, communication skills, problem solving and decision-making skills, violence prevention/conflict resolution, drug prevention (Project STAR), and drug education. In addition, students will study the body systems in preparation for the course of study in 9th and 10th grades.

Physical Education 7/8
(910) or (911)

Length: 1 Semester

Grade: 7-8

Meeting/Cycle: Daily

Credit: .50

This course develops essential skills related to physical education: locker room etiquette, teamwork, sportsmanship, and individual fitness levels. Students are expected to exhibit the appropriate behavioral skills, fine and gross motor skill development, and the knowledge and confidence needed to adopt and maintain an active lifestyle. The emphasis of instruction will

be on active participation, promoting good sportsmanship, and working with other students in a variety of activities. Students will learn new skills and new strategies to prepare them for life-long fitness.

SCIENCE

General Science 7 (310)

Length: 1 Year

Grade: 7

Meeting/Cycle: Daily

Credit: 1

This course will explore areas of the scientific method, biology, physical science, and complete a research project on an earth science topic. The scientific method portion will focus on lab skills. The biology portion will focus on classification and levels of organization. Physical science will focus on an introduction to chemistry and basic principles of physics. The research project will be on the solar system.

General Science 8 (320)

Length: 1 Year

Grade: 8

Meeting/Cycle: Daily

Credit: 1

This course is designed to build on the introductory principles in physical, biological, and earth sciences presented through 7th grade. This course will serve to acquaint the students with principles of each of the core sciences to prepare them for further work in chemistry, biology, physics, environmental science and applied science. The course will use environmental studies as its unifying theme.

SOCIAL STUDIES

World Cultures I (210)

Length: 1 Year

Grade: 7

Meeting/Cycle: Daily

Credit: 1

This course is designed to be a survey course of ancient civilizations from their beginnings through the Middle Ages and Renaissance. This course is designed to provide students the background necessary to understand the development and settlement of the Americas. Emphasis is placed on cultural development, growth and evaluation of political ideas, and geographic conditions that influenced the development of these cultures.

**Geography/Current Events
(215)**

Length: 1 Semester

Grade 7-8

Meeting/Cycle: Daily

Credit: .5

This course is designed to be a semester course with emphasis on geography and current events. The instructional content of this course is designed to provide a broad overview of the major regions of the world with emphasis on the increasing interconnectedness of people and places. Discussions will be held about the influence globalization is having on world trade, travel, communication, culture, and the natural environment.

**Pennsylvania and Local History
(220)**

Length: 1 Semester

Grade 7-12

Meeting/Cycle: Daily

Credit: .5

Pennsylvania and Local History is a survey course based on the political, economic, social and military history of the state of Pennsylvania and Muncy community. This semester long course reveals the state and local areas role in the founding of our nation, its importance in early America, and its present historical markers. In conjunction with the local historical society and other volunteers, students will be able to experience history through walking tours, field trips to local sites, guest speakers, and local history events. In addition to local curriculum, students will learn about the geography, culture, and government of Pennsylvania. Open to students in grades 7 – 12, the class offers a wide variety of curriculum that includes primary and secondary source readings, artifacts, and oral history.

**American Cultures I
(221)**

Length: 1 Year

Grade: 8

Meeting/Cycle: Daily

Credit: 1

This course is designed to be a survey course of the exploration, colonization and the first one hundred years of American history. Major emphasis will be placed on colonization, independence and expansion of our nation. Students will trace the early struggles of our new nation through the turmoil of the Civil War. Attention will also be directed to the role that Pennsylvania played in our nation's birth and early struggles as a nation. Social studies skills will be incorporated along with geographical skills.

UNIFIED ARTS

Fine Arts/Art

Art 7

(710)

Length: 9 Weeks

Grade: 7

Meeting/Cycle: Daily

Credit: .25

This course is designed to introduce students to a wide variety of art media with an emphasis on the principles and elements of art. Students will learn aspects of drawing,

painting, weaving, ceramics, metals, print making and fiber arts. Art history, aesthetics and criticism will be studied with each technique.

Art 8
(720)

Length: 9 Weeks
Meeting/Cycle: Daily

Grade: 8
Credit: .25

This course is designed to build on techniques students previously learned in a wide variety of art media. Students will revisit aspects of drawing, painting, weaving, ceramics, metals, print making and fiber arts and develop skills at a higher level. Art History, aesthetics and criticism will be studied with each technique.

Fine Arts/Music

Band 7 - 8
(701- Full Year) or (702- One Semester)

Length: 1 Year or 1 Semester
Meeting/Cycle: Daily

Grade: 7-8
Credit: .50 or 1

This course is designed for the student who wishes to further his/her knowledge of music and his/her instrumental skills through performances. Students in this course will practice in school as well as after school in order to prepare for the various concerts/performances and home football games throughout the year. Any junior high student enrolled in this class will have the opportunity to audition to perform in the Lycoming County Band Directors Association Junior County Band Festival.

Chorus 7-8
(711- Full Year) or (712- One Semester)

Length: 1 Year or 1 Semester
Meeting/Cycle: Daily

Grade: 7-8
Credit: .50 or 1

This class is designed for the students who desire to further their knowledge of music and vocal music through performance. This class rehearses in school in order to prepare students to perform in concerts throughout the school year. Any seventh and eighth grade student enrolled in this class will have the opportunity to audition to perform in the Lycoming Junior High County Chorus Festival.

Music 7
(713)

Length: 9 Weeks
Meeting/Cycle: Daily

Grade: 7
Credit: .25

This course is designed for students in seventh grade with the goal of developing an appreciation and understanding of music as it relates to history and how music is made.

Students will explore the physical and mechanical form of music and sound using elements of sound, movement, and technology. Students will gain a basic understanding of musical concepts and history.

Music 8
(723)

Length: 9 Weeks

Grade: 8

Meeting/Cycle: Daily

Credit: .25

This course is designed for students in eighth grade with the goal of developing an appreciation and understanding of music as it relates to current musical trends. We will explore the physical and mechanical form of music and sound using elements of movement and technology. Students will gain a basic understanding of musical concepts and current musical trends.

Practical Arts/Technology Education
7th Grade Technology Education Integration
(715)

Length: 9 Weeks

Grade: 7

Meeting/Cycle: Daily

Credit: .25

This course is designed to enable students to investigate several areas of technology through the use of Technology Learning Activities (TLAs) and problem solving activities. Students will study various systems models as well as various problem solving loops in order to find solutions to real-world problems. Guided student workbooks and interactive activities will be used to expose student to various forms of technology such as physical technologies, energy and power technologies, informational technologies, graphics technologies and systems technologies. Students will learn basic tools and design techniques to create and test working prototypes of possible solutions. Students will then evaluate designs and communicate possible modifications. This is part one of a two part course, which will be continued in Technology Education 8.

8th Grade Technology Education Integration
(725)

Length: 9 Weeks

Grade: 8

Meeting/Cycle: Daily

Credit: .25

This course is designed to enable students to investigate several areas of technology through the use of advanced Technology Learning Activities (TLAs) and problem solving activities. Students will study various systems models as well as various problem solving loops in order to find solutions to complex real world problems. Guided student workbooks and interactive activities will be used to expose students to various forms of technology such as physical technologies, energy and power technologies, informational technologies, graphics technologies and systems technologies. Students will learn advanced tools and design techniques to create and test working prototypes of possible solutions. Students will then

evaluate designs and communicate possible modifications. This is part two of a two part course continued from Technology Education 7.

Practical Arts/Family and Consumer Science

Family and Consumer Science - 7

(714)

Length: 9 Weeks

Grade: 7

Meeting/Cycle: Daily

Credit: .25

This course is designed to equip students with the basic skills necessary for independent living. The course is divided into several instructional units designed to develop nutritional awareness and improve basic sewing and cooking skills, including kitchen safety and sanitation. Within these areas the ability to follow written instructions and self-esteem building is stressed. Responsible babysitting will be studied as well.

Family and Consumer Science - 8

(724)

Length: 9 Weeks

Grade: 8

Meeting/Cycle: Daily

Credit: .25

The course is designed to further develop the student's decision making skills, concern for environmental issues, an awareness of nutritional needs--concentrating on breakfast and snack foods-- ability to follow written instructions, expand cooking proficiency and apply clothing care skills. This course is a continuation of FACS 7.

Senior High Course Offerings

BUSINESS/COMPUTER TECHNOLOGY

Computer Applications

(532)

Length: 1 Semester

Grade: 9-12

Meeting/Cycle: Daily

Credit: .50

This course is designed to reinforce keyboarding skills and familiarize students with the following programs: Microsoft Word, Microsoft Excel, Microsoft Access, and Microsoft PowerPoint.

Introduction to Business

(535)

Length: 1 Year

Grade: 9

Meeting/Cycle: Daily

Credit: 1

This course is designed to introduce students to a wide variety of business aspects: economics, marketing, entrepreneurship, international business, human resources, consumer buying, banking, and personal finance.

Personal Finance

(540)

Length: 1 Semester

Grade: 10-12

Meeting/Cycle: Daily

Credit: .50

This course is designed to teach students about various aspects of financial decision making: balancing a checkbook, budgeting, purchasing insurance, renting, leasing or purchasing a car, making investments, and planning for retirement, etc.

Accounting

(550)

Length: 1 Year

Grade: 10-12

Meeting/Cycle: Daily

Credit: 1

This course is designed to enable students to develop the ability to analyze and record business transactions on the basis of accepted principles of accounting. An emphasis will be placed on the systematic interpretations of recording business transactions. Automated accounting software will be introduced to give students "real world" experiences in accounting.

Marketing

(565)

Length: 1 Year

Grade: 10-12

Meeting/Cycle: Daily

Credit: 1

This course is designed to introduce students to how businesses use marketing to buy, sell, advertise, promote, and distribute their goods and services to customers. Students will

learn about marketing institutions, marketing research, selling techniques, sales promotions, and careers in marketing.

Career Exploration Program
(570)

Length: 1 Year

Grade: 12

Meeting/Cycle: By Appt.

Credit: 1

This course is uniquely planned for the development of career knowledge as an extension of training received in the high school classroom. This course is open to senior students who have a specific job interest for their futures. Students who are accepted into this course are released from school to go to an approved workplace. The job must provide a variety of experiences, which will develop workplace readiness skills, encourage attitudes and habits that meet acceptable employment standards, and enable students to investigate their career interest more fully. The employer must agree to evaluate the student on a nine-week basis and allow a school official to observe several times during the year. Transportation to the worksite is the responsibility of the student.

Law
(574)

Length: 1 Year

Grade: 10-12

Meeting/Cycle: Daily

Credit: 1

This course is designed for students to learn about the legal environment in which they live in the American society: about the laws that govern human conduct in a civilized society, about avoiding legal difficulties, and about cooperating more effectively with a lawyer if and when that proves necessary. Specifically, students will learn about crimes, torts, contracts, bailment's, sales contracts, checks, promissory notes, credit buying, personal and real property, landlord and tenant relationships, and wills.

Entrepreneurship
(575)

Length: 1 Year

Grade: 10-12

Meeting/Cycle: Daily

Credit: 1

This course is designed to familiarize students with all elements required to write a functional business plan. A store management software simulation will be completed to familiarize the students with everyday operations in business.

Web Design
(580)

Length: 1 Semester

Grade: 9-12

Meeting/Cycle: Daily

Credit: .50

This course is designed to introduce students to the basics of HTML coding. Students will learn how to use Dreamweaver CS5 to create web pages.

ENGLISH
Study Skills
(112)

Length: 1 Semester

Meeting/Cycle: Daily

Credit: .50

The course is designed to provide students with the necessary “tools” to be more effective and efficient in their learning environments. Additionally, since students have different learning styles, this course teaches students how to learn and study using a variety of methods. The strategies that will be taught focus on improving reading comprehension, increasing organization, learning effective note-taking skills, researching techniques, preparing and delivering oral presentations, and test-taking and study strategies. Students will be taught to utilize specific study skills most appropriate to their individual learning style.

English 9
(130)

Length: 1 Year

Grade: 9

Meeting/Cycle: Daily

Credit: 1

This course is designed to cover all basic areas of English. Students will study the short story, nonfiction, poetry, drama, and the novel. The study of important authors and relevant literary terms will be incorporated in the units of study. Writing assignments will include compositions based on the literature as well as longer writings, including a research paper. Students will strengthen their grammar skills with a focus on the parts of speech, centering on verbs as well as becoming more proficient with many aspects of grammar in their writing. Vocabulary will be taken from literature with an emphasis on the meaning of words and their correct usage, as well as context clues.

Speech Using Computer Applications
(133)

Length: 1 Semester

Meeting/Cycle: Daily

Credit: .50

This course is designed to teach students about public speaking and aid in developing skills necessary to become an effective communicator. This course exposes students to the public speaking process. Students will learn to develop self-confidence, listen carefully, organize ideas, prepare and practice presentations, and be aware of nonverbal messages. Students will actively participate in a variety of public speaking experiences: informative, persuasive, extemporaneous and impromptu speaking, drama and oral interpretation, informal and formal debate, and various communication projects. Technology applications will be explored that can enhance and strengthen students’ presentations. Students will use their Bridges Portfolio to complete a career interest inventory and research careers they would like to pursue after high school. Students will create a PowerPoint on a career of their choice and present it to the class.

**Reading
(138)**

Length: 1 year

Grade: 9-12

Meeting Cycle: Daily

Credit: 1

This course is designed to improve student reading skills ranging from letter-sound correspondence and syllabification to reading fluency and comprehension. Special emphasis will be given to spelling, reading literature aloud, and responding in writing to the literature.

**English 10
(140)**

Length: 1 Year

Grade:10

Meeting/Cycle: Daily

Credit: 1

This course is designed to be a thematic survey of a variety of literature and literary genres. Students will explore a variety of literature from a number of different cultures and time periods. In addition, students will develop essential reading, speaking and writing skills from vocabulary enrichment, independent reading development, communication skills improvement, note taking, and critical thinking—all of which will be incorporated throughout the course.

**English 11
(150)**

Length: 1 Year

Grade:11

Meeting/Cycle: Daily

Credit: 1

This course is designed to assist and challenge students to reach the proficient or advanced status required by the Common Core Standards for reading, writing, speaking and listening, as well as prepare students for post-secondary endeavors. A variety of literary genres will be addressed in a thematic structure—with a primary focus on American literature. Students will develop vocabulary, reading, writing, grammatical, and discussion skills throughout the course.

**English 12
(160)**

Length: 1 Year

Grade: 12

Meeting/Cycle: Daily

Credit: 1

English 12 covers British literature from Beowulf to the present and incorporates both the historical background of each literary period and the development of the English language. Writing assignments relate to the literature and develop various types of composition. A planned study of vocabulary emphasizes improving word knowledge and usage and also includes literary terms. Students complete several short research projects as well as complete MLA and APA research papers.

Creative Writing
(163)

Length: 1 Semester

Meeting/Cycle: Daily

Credit: .50

This course is designed to advance student understanding of the creative writing process. By exploring several genres including nonfictional essays, short fiction, poetry, and drama, students will be able to express themselves in written forms which reflect development of plot, tone, theme, and characterization. Specific attention will be paid to creative, clear expression and the development of style through use of figurative language and the literary devices. Special consideration will be placed on sharing and evaluating writing. On a regular basis, students will explore ideas through journal writing and the analysis of their own and others' writings.

English Literature and Composition - Advanced Placement
(165)

Length: 1 Year

Meeting/Cycle: Daily

Grade: 12

Credit: 1

This course is designed for the student of superior ability in the English language. The course is designed to provide such a student with a rigorous course in English literature and writing. Intense analytical and critical study of a large number of works of different genres and literary periods is expected. Students may also prepare for an Advanced Placement examination-- which may result in earning college credit. This course requires the students to do extensive amounts of reading, writing, and discussing. Analysis essay writing techniques will be addressed and practice provided to allow students to improve and expand their techniques as writers.

English Literature and Composition- Advanced Placement Lab
(166)

Length: 1 Semester

Meeting/ Cycle: Daily

Credit: .50

This course is designed to compliment the close reading involved in the experience of literature, the interpretation of literature, and the evaluation of literature done in class. Writing to understand a literary work may involve writing response and reaction papers along with annotation, free writing, and keeping some form of a reading journal. Writing to explain a literary work involves analysis and interpretation, which may also include writing brief, focused analyses on aspects of language and structure. Writing to evaluate a literary work will also be addressed with emphasis on exploring the author's underlying social and cultural values through analysis, interpretation, and argument. Writing assignments will focus on the critical analysis of literature and may include expository, analytical, and argumentative essays. In addition, well-constructed creative writing assignments will be expected.

Yearbook

(172)

Length: 1 Year

Grade: 10-12

Meeting/Cycle: Daily

Credit: 1

This course is designed around the ultimate production of the Canusarago, Muncy High School's annual yearbook. Students will develop skills in the following areas: brainstorming, creating layout design, gathering information, using photography techniques, and writing copy. All students are required to sell advertisements to local businesses to raise money in support of the yearbook. Students must be able to work independently and in a cooperative setting.

S.A.T. Preparatory

(180)

Length: 1 Semester

Credit: .50

Meeting/ Cycle: Daily

This course is designed for students who intend to take the SAT and/or ACT as part of their college application process. The instruction for this course will address all aspects— mathematics, reading (including tier-two vocabulary), writing, and conventions—covered on the SAT standardized exam. Skill instruction as well as rigorous practice will be provided for all the mathematics, verbal, and written areas included on the SAT and ACT exam. Even though the overall goal of this course is to enable students to be more successful on the SAT and/or ACT exam, an alternate goal is to enable students to achieve a higher level of competency in various testing scenarios and college-level courses.

WORLD LANGUAGES

SPANISH

Spanish I

(624)

Length: 1 Year

Grade: 9

Meeting/Cycle: Daily

Credit: 1

This course is designed for students to experience and develop all four language skills – reading, writing, speaking and listening – while expanding their cultural knowledge of Spanish exploration. Students will use their knowledge to create sentences in Spanish and understand various listening passages. At the conclusion of the year, students will be able to use basic vocabulary and sentence forms to carry on a conversation in Spanish.

Spanish II

(634)

Length: 1 Year

Grade: 10

Meeting/Cycle: Daily

Credit: 1

This course is designed to build on the skills acquired in Spanish I. Students will be able to apply their knowledge of the Spanish language to everyday situations that require speaking,

listening, reading and writing. Upon completion of this course students will have the ability to carry on basic conversations in a Hispanic setting.

Spanish III
(644)

Length: 1 Year

Grade: 11

Meeting/Cycle: Daily

Credit: 1

This course is designed to be an extension of Spanish II. Students will be able to participate in casual conversations, give simple instructions, as well as describe, report, and provide narration about present, past, and future activities. Students will increase their knowledge of the Hispanic world through the study of Spanish music, current events, and videos about the Spanish culture.

Spanish IV
(654)

Length: 1 Year

Grade: 12

Meeting/Cycle: Daily

Credit: 1

Students will review all aspects of the Spanish language. Students will compose five-paragraph essays, participate in classroom discussions and oral presentations, as well as read excerpts from novels, short stories and poems in Spanish. The course is taught entirely in Spanish.

Advanced Placement Spanish
(659)

Length: 1 Year

Grade: 12

Meeting/Cycle: Daily

Credit: 1

This course is designed for students who intend to take the AP Spanish exam. This course requires the student to do an extensive amount of reading, writing, listening and speaking in Spanish. Students will also complete assignments in the summer prior to the beginning of the course.

Advanced Placement Spanish Lab
(661)

Length: 1 Semester

Meeting/Cycle: 1 Semester

This course is designed to function collectively with Advanced Placement Spanish. This lab will prepare students for taking the Advanced Placement Spanish examination. The lab will consist of the development and practice of test taking skills in the seven major areas of the test: short dialogues, long narratives, reading selections, impersonal writing, formal writing, conversational dialogues, and presentational speaking.

FRENCH

French I (620)

Length: 1 Year

Grade: 9

Meeting/Cycle: Daily

Credit: 1

This course is designed for students to develop French skills in all four of the communication areas: reading, writing, listening, and speaking. Students will learn through authentic materials, textbook, and other resources. Students will develop proficiency in basic grammar areas such as the present and past tense and be able to carry on a basic conversation in French. Students will complete the level I text of the Bien Dit! Series.

French II (630)

Length: 1 Year

Grade: 10

Meeting/Cycle: Daily

Credit: 1

This course is designed for students to continue their learning beyond the skills mastered in Level I French. Students will be able to converse in French in a wide array of settings. Students will explore grammar in deeper detail as well as develop proficiency in reading and speaking. There will also be a focus on the French culture. Students will complete the level II text of the Bien Dit! Series.

MATHEMATICS

Algebra I (432)

Length: 1 Year

Grade: 9

Meeting/Cycle: Daily

Credit: 1

This course involves the study of the basic structure of algebra from real numbers through algebraic functions to prepare students for the Keystone Algebra I Exam. This course involves exploration of such math concepts as operations with real numbers, variables, solutions and graphs of equations and inequalities, real-world problems, and operations with polynomial functions and rational expressions. This mathematics course connects algebra to the real world and to other subjects.

General Math (435)

Length: 1 year

Grade: 9-12

Meeting/Cycle: Daily

Credit: 1

This course is designed for students that need additional preparation before enrolling in Algebra II. Topics covered will include operations with real numbers, exponents, radicals, linear equations, linear inequalities, polynomial expressions, systems of linear equations, functions, coordinate geometry, probability and data analysis.

Algebra II
(442)

Length: 1 Year

Grade: 9-10

Meeting/Cycle: Daily

Credit: 1

This course is designed to make mathematics accessible and applicable to students who have successfully completed Algebra I. Students will focus on expanding the following concepts and skills from Algebra I: solving linear functions, exponential functions, and systems of equations and inequalities. Content also covered includes matrices, polynomials, irrational numbers, and complex numbers. Algebra II develops real-world applications: building understanding of the concepts that provide a strong foundation for future courses and careers; connecting Algebra to the real world; involving students in exploring and discovering math concepts; and assessing students' progress in ways that support learning.

Accelerated Algebra II
(444)

Length: 1 Year

Grade: 9-10

Meeting/Cycle: Daily

Credit: 1

This course is designed to make mathematics accessible and applicable to students who have successfully completed Algebra I and to address content necessary for success on the Keystone Algebra II Exam as well as prepare students for Pre-Calculus without taking Algebra III. This course will be taught at an accelerated pace to allow students to be adequately prepared for both of these requirements. Students will expand their understanding of concepts learned in Algebra I, such as Systems of Equations and Quadratics. Students will focus on the following concepts and skills: polynomial functions, radical functions and rational exponents, exponential and logarithmic functions and matrices. Content also covered includes: complex numbers, statistics, sequences and series. This course develops real-world applications: building understanding of the concepts that provide a strong foundation for future courses and careers; connecting Algebra to the real world; involving students in exploring and discovering math concepts; and assessing students' progress in ways that support learning.

Algebra III
(445)

Length: 1 Year

Grade: 10-12

Meeting/Cycle: Daily

Credit: 1

This course is designed to provide conceptual understanding and contemporary problem solving primarily using the language, symbols and algorithms of algebra. Algebra III is designed for all students desiring a thorough pre-calculus algebra background with an introduction to trigonometry, but not at the rigorous, intensive level required for taking Advanced Placement Calculus in the future. Problem-solving and applications are emphasized throughout the course. Problems will be represented using the "Rule of Four" – algebraically, graphically, numerically and verbally. Graphing calculator technology use is integrated throughout the course to facilitate these representations. The Algebra III course is offered to advanced tenth graders and 11th graders as a prerequisite to Pre-Calculus and to 12th graders as an enrichment before taking a pre-calculus in college.

Geometry
(452)

Length: 1 Year

Grade: 10-11

Meeting/Cycle: Daily

Credit: 1

This course is designed for students who have successfully completed Algebra I. This course is designed to emphasize reasoning and logical thinking; balance coordinate, synthetic, and transformational geometry; integrate technology as a problem solving tool; and incorporate proofs of various kinds. A major goal of the course goal is to connect geometric concepts and principles to the real world through experimentation and discovery.

Pre-Calculus
(454)

Length: 1 Year

Grade: 10-12

Meeting/Cycle: Daily

Credit: 1

This course is designed to prepare students for the study of calculus and is the prerequisite course for Advanced Placement Calculus AB. Emphasis is placed on the study of functions: polynomial, exponential, logarithmic, rational and trigonometric. Other topics include sequences, series, analytic geometry, limits and continuity. Problems will be examined verbally, analytically, graphically and numerically.

Calculus
(455)

Length: 1 Year

Grade: 12

Meeting/Cycle: Daily

Credit: 1

This course is designed to introduce students to the basic concepts of calculus with an approach not as in-depth and rigorous as that necessary in Advanced Placement Calculus. Course content will include prerequisite topics dealing with functions, analytic geometry and trigonometry, limits and continuity, basic techniques of differentiation, basic applications of differentiation, and basic techniques of integration.

Statistics
(460)

Length: 1 Year

Grade: 12

Meeting/Cycle: Daily

Credit: 1

This course is designed to introduce students to topics in descriptive and inferential statistics. A major emphasis will be placed on interpreting the statistical results rather than on the calculations. Technology will play an important role in the course. Major topics include organization of data, descriptive measures, probability, the normal distribution, the Central Limit Theorem, sampling distributions, confidence intervals, hypothesis testing, regression, correlation, chi-square procedures, and analysis of variance (ANOVA).

Mathematics Analysis

(465)

Length: 1 Year

Grade: 11-12

Meeting/Cycle: Daily

Credit: 1

This course is designed to cover topics in consumer and practical, real-life mathematics. Real-life mathematical topics include, but are not limited to, applications of Algebra, Physics, Statistics, and Probability. Consumer topics will include, but are not limited to, personal budgeting, personal banking, paychecks and taxes, credit, investments and loans (automobile, personal and mortgages).

Calculus - Advanced Placement (AB)

(462)

Length: 1 Year

Grade: 10-12

Meeting/Cycle: Daily

Credit: 1

This course is designed to enable students to study concepts of differential and integral calculus. (This course is an equivalent to more than a one-semester calculus course at most colleges and universities.) Topics from the syllabus of the College Entrance Examination Board's Calculus AB Examination will be covered: (1) limits, continuity and rates of change; (2) derivatives; (3) applications of derivatives; (4) integrals (definite and indefinite); and, (5) applications of integrals. All students enrolled in this course are expected to take the Advanced Placement Exam at their own expense. Students who score a 3, 4 or 5 on the AP Calculus AB exam will have their test-taking fee reimbursed by the district. After the AP Exam is completed, that year's free response questions will be examined in detail and the remainder of the semester will consist of a study of topics that will be covered in the AP Calculus BC course.

Calculus- Advanced Placement (AB) - Lab

(466)

Length: 1 Semester

Meeting/ Cycle: Daily

Credit: .50

This course is designed to complement the AP Calculus AB course. This course will provide students enrolled in AP Calculus AB with the opportunity to practice and master the graphing calculator procedures required on the AP Exam as well as the opportunity to practice AP Exam-style multiple choice and free response questions. Emphasis will be placed on exam preparation until the AP Exam is taken in early May. Practice exams will be administered over four-day periods. After the AP Exam is completed, that year's free response questions will be examined in detail and the remainder of the semester will consist of any of the following: (1) additional topics in calculus (e.g., integration by parts, integration by partial fractions, etc.); (2) projects (e.g., constructing models of solids of revolution and solids of known cross-section, research projects, etc.); (3) student presentations of topics of personal interest in mathematics-- not limited to calculus. After the AP Exam is completed, that year's free response questions will be examined in detail and the remainder of the semester will consist of a study of topics that will be covered in the AP Calculus BC course.

Calculus- Advanced Placement

BC

(468)

Length: 1 Semester
12

Grade: 11-

Meeting/ Cycle: Daily

Credit: 1

Advanced Placement Calculus BC is an extension of Advanced Placement Calculus AB. The topical outline for BC contains all topics in the AB course as well as parametric, polar and vector functions; Euler's Method; length of a curve; integration by parts; integration by simple partial fractions; logistical differential equations; and, polynomial approximations and series. All students enrolled in Calculus BC are expected to take the Advanced Placement Calculus BC Exam at their own expense. Students will receive both an AB sub-score and a BC score on this exam. Any student scoring a 3, 4 or 5 as their BC score will have their test-taking fee reimbursed by the district.

Senior Math Lab

(080)

Length: 1 Year

Grade: 12

Meeting/Cycle: Daily

Credit: 1

Designed for seniors who have not scored proficient or advanced on the Keystone Algebra I exam, this course will provide an intensive study of Common Core Standards. Skills, basic math and algebraic competencies and concepts considered essential for becoming algebra-proficient will be presented.

PHYSICAL/HEALTH/& SAFETY EDUCATION

Adaptive Physical Education

(900)

Length: Varied

Grade: 7-12

Meeting/Cycle: Varied

This course is designed to be an adaptive physical education program with the purpose of providing special services for those students who cannot participate in the regular physical education program. This course is divided into three specific areas: adaptive, remedial, and rehabilitative physical education.

Physical Education 9
(930) or (931)

Length: 1 Quarter
Meeting/Cycle: Daily

Grade: 9
Credit: .25

This course is designed to focus on locker room etiquette, teamwork, sportsmanship, and individual fitness levels. Students will develop skills in a variety of sport activities. Students are expected to exhibit the appropriate behavioral skills, demonstrate fine and gross motor skill development, as well as demonstrate knowledge and confidence needed to adopt and maintain an active lifestyle. The emphasis will be on active participation, promoting good sportsmanship, and working with other students in a variety of activities.

Health 9
(935)

Length: 1 Quarter
Meeting/Cycle: Daily

Credit: .25

This course is designed to present life-long skills, including fitness for life, nutritional and infectious disease (including HIV/AIDS and sexually transmitted infections) knowledge. Abstinence instruction and a continuation of Project STAR will also be a part of the course. Students will gain knowledge and skills to cope with everyday life for their future.

Health 10
(945)

Length: 1 Quarter
Meeting/Cycle: Daily

Credit: .25

This course is designed to build on the concepts taught in 7th and 9th grade health. The curriculum includes in-depth study of non-infectious diseases including ways to prevent them, first aid /CPR, and human development & reproduction. Knowing how to maintain optimum health and maintain a healthy lifestyle will be discussed.

Driver Education 10
(946)

Length: 1 Quarter
Meeting/Cycle: Daily

Credit: .25

This course is designed to provide classroom instruction and practice driving a car. The classroom instruction is mandatory and is scheduled during the sophomore year. Students will become familiar with the laws of the Motor Vehicle Code of the Commonwealth of Pennsylvania; take a personal inventory of the physical, mental, and emotional factors which determine efficiency in driving; and develop a realization that attitudes, habits, and emotional reactions affect driving efficiency. The behind-the-wheel driving component is optional. This element of the course is scheduled by appointment with the instructor after students have received their driving permit. Classroom instruction is a prerequisite for practice driving.

Physical Education 10/11/12
(960) or (961)

Length: 1 Semester

Meeting/Cycle: Daily

Credit: .50

This course is designed to promote an active lifestyle with an emphasis on life-long activities. Students will review skills and concepts taught in previous years. The curriculum will include activities to promote individual fitness levels and prepare students for life-long activities following graduation

SCIENCE

General Science 9

(330)

Length: 1 Year

Grade 9

Meeting/Cycle: Daily

Credit: 1

This introductory life science class will include learning lab skills needed for further study in Biology class. Topics included in this course are the scientific method, measurement in science, introductory biochemistry, ecology and the cell. Students will complete labs with an emphasis on collecting and analyzing science data.

Integrated Science I

(332)

Length: 1 year

Grade: 10

Meeting/Cycle: Daily

Credit: 1

This course is designed to provide students with applications of biology and integration of biological principles into other fields of science and everyday life. Integrated topics include bioenergetics, homeostasis and transport, cell growth and reproduction, genetics, evolution and ecology. Students who achieve below acceptable criteria in General Science 9 will be assigned this course. This is the first of two courses of integrated science and students that successfully complete this course will be expected to take Integrated Science II

Integrated Science II

(334)

Length: 1 year

Grade: 10 or 11

Meeting/Cycle: Daily

Credit: 1

This course is designed to provide students with applications of biology and integration of biological principles into other fields of science and everyday life. Integrated topics include environmental science, biochemistry, food science, biotechnology and anatomy. Students may take this concurrently with chemistry or accelerated chemistry.

Integrated Science III
(336)

Length: 1 year

Grade: 12

Meeting/Cycle: Daily

Credit: 1

This course is designed as a project based learning opportunity for students in the twelfth grade who were not proficient or better in the Biology Keystone Exam. Students will have an opportunity to work to complete the state requirements to prove proficiency in the Biology Anchors as they work with a Biology Certified teacher. Additional project learning opportunities include topics in physical science, earth and space science, forensic science applications and horticulture.

Biology
(340)

Length: 1 Year

Grade: 9-10

Meeting/Cycle: Daily

Credit: 1

This course is designed to provide the study of biology with an emphasis on the intellectual understanding of the living world and the interrelationships among different organisms. Topics include taxonomy, ecology, cells, biochemistry, genetics, evolution and labs with data analysis.

Applied Chemistry
(349)

Length: 1 Year

Grade: 10-12

Meeting/Cycle: Daily

Credit: 1

This course is designed to provide students the opportunity to learn, develop and use important chemistry concepts. The course will provide basic chemical skills to help students in future endeavors including additional coursework and/or employment opportunities. Students will develop skills to enhance their understanding of the chemistry behind issues and problems that students may encounter within the community. This course will have a laboratory component designed to explore chemistry related concerns that occur in people's lives and communities. Students will propose solutions to such problems and do risk-benefit analysis of chemistry related issues. It is not intended for students that are going to pursue a 4 year college degree in science, math, engineering or health care related fields.

Chemistry
(350)

Length: 1 Year

Grade: 10-12

Meeting/Cycle: Daily

Credit: 1

This course is designed to give students a background in the field of chemistry and an appreciation of the importance of chemistry in today's technological society. In the laboratory setting, students will learn how to apply chemistry concepts. The students will explore various experimental designs, utilize technology, and develop conclusions based on experimental information which will be expressed in a lab report format. Topics include the nature of matter, atoms, periodicity, bonding, formulas, equations, states of matter, solutions, acids and bases,

and stoichiometry. This course will have a strong math component and students will be expected to perform calculations to support the concepts of a general chemistry class.

Accelerated Chemistry
(352)

Length: 1 Year

Grade: 10-12

Meeting/Cycle: Daily

Credit: 1

This course is designed to give students a background in the field of chemistry and an appreciation of the importance of chemistry in today's technological society. In the laboratory setting, students will learn how to apply chemistry concepts. The students will explore various experimental designs, utilize technology, and develop conclusions based on experimental information which will be expressed in a lab report format. Topics include the nature of matter, atoms, periodicity, bonding, formulas, equations, states of matter, solutions, acids and bases, and stoichiometry. This course will have a strong math component and students will be expected to perform calculations to support the concepts of a general chemistry class.

Applied Physics
(359)

Length: 1 Year

Grade: 11-12

Meeting/Cycle: Daily

Credit: 1

This course is designed to emphasize the major concepts of Physics while relating them to everyday applications. Topics for this course will include major concepts of forces, motion, energy, power and simple machines. Heat, sound, magnetism, electricity, and atomic phenomena will be covered if time allows. Physics will provide the knowledge, prerequisite skills, and habits of mind needed for problem solving and ethical decision making about matters of scientific and technological concern, as well as, provide a basic foundation for personal career choices.

Physics
(360)

Length: 1 Year

Grade: 11-12

Meeting/Cycle: Daily

Credit: 1

Physics is the study of the physical phenomena that we encounter in our daily lives. Students work in teams to learn Physics through a method of engagement, exploration, explanation, elaboration, and evaluation. Physics emphasizes the application of mathematics as a tool to describe the physical universe that surrounds us. The course includes the traditional study of Newtonian mechanics, kinematics and circular motion. The concepts are presented at a level that requires an understanding of algebra, plane geometry, graphing techniques and the trigonometry of the right triangle. Students work in teams to learn physics through a method of engagement and exploration. Research projects are welcomed and encouraged.

Accelerated Physics
(361)

Length: 1 Year

Grade: 11-12

Meeting/Cycle: Daily

Credit: 1

Physics is the study of the physical phenomena that we encounter in our daily lives. Students work in teams to learn Physics through a method of engagement, exploration, explanation, elaboration, and evaluation. Physics emphasizes the application of mathematics as a tool to describe the physical universe that surrounds us. The course includes the traditional study of Newtonian mechanics, kinematics and circular motion. The concepts are presented at a level that requires an understanding of algebra, plane geometry, graphing techniques and the trigonometry of the right triangle. Students work in teams to learn physics through a method of engagement and exploration. Research projects are welcomed and encouraged.

Environmental Science
(366)

Length: 1 Year

Grade: 10-12

Meeting/Cycle: Daily

Credit: 1

This course is designed to provide an examination of ecology and environmental issues, with laboratory investigations as a major component. Topics investigated include terrestrial ecology with emphasis on forests, aquatic ecology and wetland ecology.

Biology - Advanced Placement
(368)

Length: 1 Year

Grade: 10-12

Meeting/Cycle: Daily

Credit: 1

This course is designed to provide interested students with an opportunity to participate in a challenging experience of a college-level course, with the possibility of advanced placement and/or credits as they enter a college or university. Over 30% of the course is laboratory based including all twelve AP recommended laboratories and many additional labs. The course reinforces the themes as listed in the *AP Biology Course Description*. The themes are arranged in three general areas of biology to include molecules and cells, heredity and evolution, and organisms and populations.

Biology – Advanced Placement Lab
(370)

Length: 1 Semester

Meeting/Cycle: Daily

Credit: .50

This course is designed to give students the equivalent laboratory experiences that would be experienced in a two-semester college introductory biology course. The laboratory components of this course will require the time and effort expected of college freshmen. Descriptive and experimental laboratory exercises will be completed to

provide the student with the opportunity to learn a number of skills and to apply concepts learned in lecture to the laboratory experience.

Chemistry - Advanced Placement
(364)

Length: 1 Year

Grade: 11-12

Meeting/Cycle: Daily

Credit: 1

This course is designed to prepare students for college-level general chemistry. The content of the course builds on the knowledge acquired in general Chemistry. Advanced Placement Chemistry challenges the student to refine and extend his/her knowledge of the subject matter of chemistry and to improve his/her skills in the experimental work in the laboratory. Students who are taking this course are required to take the advanced placement examination for the subject of chemistry.

Chemistry – Advanced Placement Lab
(369)

Length: 1 Semester

Credit: .50

Meeting/ Cycle: Daily

This course is designed to complement the AP Chemistry course. This course will provide an introduction to the principles and techniques of experimental chemistry with emphasis on the application of course material to problem solving in the laboratory. Students enrolled in AP Chemistry will also have the opportunity to practice and master the Chemistry concepts and quantitative analysis required on the AP Exam as well as the opportunity to practice AP Exam-style multiple choice and free response questions. Emphasis will be placed on exam preparation until the AP Exam is taken in early May, with “practice exams” being administered over four-day periods.

Anatomy & Physiology
(372)

Length: 1 Year

Grade: 11-12

Meeting/Cycle: Daily

Credit: 1

This course is designed for students who plan to enter careers that require extensive knowledge of human anatomy and physiology. The focus of this course will be centered upon the orientation and organization of the human body, the support and movement of the human body, regulation and maintenance of the human body, and the integration and control systems of the human body.

Marine Ecology- Independent Study
(374)

Length: No more than one school year

Grade: 11-12

Meeting/Cycle: Teacher's discretion

Credit: 1

This course is designed to be an independent study of marine ecology. This is an on-line, independent study course with exams proctored by the instructor. Individuals taking this course will need to be self-motivated, as the content will be completed independently, without direct instruction. Deadlines for units will be established by the instructor and these will be expected to be met. The instructor will communicate with students via e-mail and personal contacts outside of the traditional class. Activities will include hands-on, independent labs, written reports and papers. Topics will include the marine environment, plankton, nekton, benthos, deep sea ecology, coral reef ecology and intertidal ecology. Students will need high speed Internet access (DSL or better), Microsoft Word and Excel, a free six month trial download of Mini-tab is also suggested. All on-line readings, activities and labs are required for successful completion of this course. Unit exams will be proctored. Students should expect to spend a minimum of 120 hours through the course.

Physics - Advanced Placement
(380)

Length: 1 Year

Meeting/Cycle: Daily

Credit: 1

AP Physics is intended for those students who plan to major in the physical sciences, mathematics, engineering, and medicine and who plan on taking the AP Physics C – Mechanics Exam. This class is intended to be representative of a common college or university level calculus based physics course (mechanics and dynamics). Students who are taking this course are required to take the advanced placement examination for the subject of AP Physics C Mechanics exam. The main emphasis of AP Physics at Muncy Junior Senior High School is to develop the students' abilities to use mathematical reasoning in problem solving and physical situations and to perform experiments and interpret the results of observations.

Physics – Advanced Placement Lab
(381)

Length: 1 Semester

Grade 11-12

Meeting/Cycle: Daily

Credit: .5

This course is designed to complement the AP Physics Course. This course will provide additional emphasis on the application of course material to problem solving strategies and laboratory investigations. Students enrolled in AP Physics will also have the opportunity to sharpen their problem solving skills and deepen their understanding of physics principles required for the AP Physics C – Mechanics Exam. Much of the time in lab will be spent in laboratory activities or improving problem solving skills.

SOCIAL STUDIES

Pennsylvania and Local History (220)

Length: 1 Semester

Meeting/Cycle: Daily

Credit: .5

Pennsylvania and Local History is a survey course based on the political, economic, social and military history of the state of Pennsylvania and Muncy community. This semester long course reveals the state and local areas role in the founding of our nation, its importance in early America, and its present historical markers. In conjunction with the local historical society and other volunteers, students will be able to experience history through walking tours, field trips to local sites, guest speakers, and local history events. In addition to local curriculum, students will learn about the geography, culture, and government of Pennsylvania. Open to students in grades 7 – 12, the class offers a wide variety of curriculum that includes primary and secondary source readings, artifacts, and oral history.

American Civics (231)

Length: 1 Year

Grade: 9

Meeting/Cycle: Daily

Credit: 1

This course is designed to focus on citizenship rights and responsibilities. Students will examine immigration, naturalization, voter rights and governmental functions. The structure of the federal, state and local governments will be examined, with major emphasis placed on the national and local governments. This course will enhance students' abilities to understand government in everyday life and take an active role in all levels of government.

World Cultures II (241)

Length: 1 Year

Grade: 10

Meeting/Cycle: Daily

Credit: 1

This course is a blend of ancient and contemporary resources designed to increase students' knowledge of the effects of history and geography on various cultures. The course emphasizes world history and geography from the Enlightenment to the twentieth century.

American Cultures II (252)

Length: 1 Year

Grade: 11

Meeting/Cycle: Daily

Credit: 1

This course is designed to provide a study of American history and culture from 1865 until the present, emphasizing the economic, social, and political development of the United States over the last century and a half of American history. This course focuses on why political movements have taken place, what effects they have had, and what are the dynamics of the United States currently.

Principles of Democracy/Economics
(260)

Length: 1 Year

Grade: 12

Meeting/Cycle: Daily

Credit: 1

This course is designed to be a survey of American government and economic systems with emphasis on how the government affects our contemporary society. Students become acquainted with the political, economic, and social problems that face the United States today. It prepares students for responsible citizenship thorough the understanding of present day ideas, institutions, achievements, as well as problems that currently exist in American society. The purpose of the Economics section of this course is to provide an elementary introduction to micro and macroeconomics. Students will study how individuals and nations make choices and how those choices affect our society.

Contemporary History
(264)

Length: 1 Semester

Meeting/Cycle: Daily

Credit: .50

This course is designed to provide students the opportunity for an in-depth study in US politics, foreign policy/international relations, and contemporary history. The course examines the background of any current issues facing the United States. Students will analyze and evaluate the options the United States government has in handling problems, as well as the possible effects of carrying out those potential alternatives.

Sociology
(265)

Length:1 Year

Grade:10-12

Meeting/Cycle: Daily

Credit: 1

This course is designed to be an interdisciplinary approach to the study of human behavior and relationships. It provides students with a comprehensive study of basic concepts principles and practices of sociology, while incorporating examples from psychology, world cultures, geography, and anthropology. Major emphasis is placed on critical thinking and writing in the social sciences.

U.S. History - Advanced Placement
(266)

Length: 1 Year

Grade: 11-12

Meeting/Cycle: Daily

Credit: 1

This course is a survey of United States History from 1491-to present. One of their major goals is to provide students with a rich, balanced, and thought-provoking treatment of the American past. The course is designed to provide a comprehensive overview of U.S. history, and provide students with the analytical skills and factual knowledge necessary to deal critically with the problems and materials in U.S. history. This course develops the skills necessary to arrive at conclusions on the basis of an informed judgment, and to present reasons and evidence clearly and persuasively in essay format. The goal is for students to be prepared to

take the college-level examination, which could earn college credit in U.S. History. Preparation for this exam, as well as course requirements will include striking a balance between learning factual knowledge and increasing critical thinking skills of analysis, interpretation, synthesis, and evaluation. The course is designed for students with a very solid history background who have a desire to study United States history in detail. All students enrolling in this course are required to take the Advanced Placement Examination offered in May.

U.S. History- Advanced Placement Lab
(267)

Length: 1 Year

Grade 11-12

Meeting/ Cycle: Daily

Credit: .50

This course is designed to provide students with the analytic skills and factual knowledge necessary to deal critically with problems and issues in United States history. Students will use the AP Lab to develop the skills necessary to assess, evaluate and make the interpretations necessary in preparing for the AP exam.

Advanced Placement Psychology
(270)

Length: 1 Year

Grade 10-12

Meeting/Cycle: Daily

Credit: 1

Advanced Placement Psychology is designed to provide students with a systematic and scientific study of behavior and mental processes of humans and other animals. Students will be introduced to the core concepts of Psychology in both traditional and contemporary viewpoints. Other subfields and associated material provide students with a broad spectrum of understanding in the field of human studies and social understanding. This course is designed as an equivalent to a university course of 101 Introduction to Psychology. Students will be expected to handle moderate amounts of reading and understanding on scientific theory, replication of historical and modern Psychological research. All students enrolling in this course are required to take the Advanced Placement Examination offered in May.

Advanced Placement Psychology Lab
(271)

Length; 1 Semester

Meeting/Cycle: Daily

Credit: .50

This complimentary course is designed to enhance and reinforce the ideas and instruction in AP Psychology. In this course students will commonly use scientific data or method to validate or refute historical and contemporary Psychological experiments and methods of research. Lab work is meant to be equivalent to that of a college freshman course level.

UNIFIED ARTS
Fine Arts/Art

Ceramics
(781)

Length: 1 Semester
Meeting/Cycle: Daily

Grade: 9-12
Credit: .50

This course is designed for students to develop different techniques with clay and glass. Exposing students to the aesthetics relevant to various media and techniques of the cultures from which they evolved is part of the process. Students will create original clay art using the Principles & Elements of Art in projects such as tiles, mosaics, hand-built construction and drapery ware. Students will spend the second half of the year exploring the possibilities of art with glass. Students will again create original art using the Principles & Elements of Art in glass projects such as fused glass, glass slumping, dichroic glass and stained glass. Students will learn to evaluate, analyze, and critique their own work and that of others in a productive way using art specific vocabulary.

Drawing and Painting
(782)

Length: 1 Semester
Meeting/Cycle: Daily

Credit: .50

This course is designed for students to delve into the mechanics of drawing/ painting. Students will be exposed to the aesthetics relevant to various media and techniques from which they evolved. Students will demonstrate knowledge and use of the Principles & Elements of each art form in production of specific drawing and painting projects and verbal articulation of explanations and critiques. Projects will encompass still-life drawing, landscape, human form, three-dimensional art, color theory, and computer generated art. Students will learn to evaluate, analyze, and critique their own work and that of others in a productive way using art specific vocabulary.

Textiles and Design
(783)

Length: 1 Semester
Meeting/Cycle: Daily

Grade: 9-12
Credit: .50

This course is designed for the student to explore different materials techniques and design aspects within each media. Students will be exposed to the aesthetics relevant to various media and techniques of the cultures from which they evolved. Students will create original textile art using the Principles & Elements of Art in projects such as fabric dyeing, batik, gutta resist, weaving, paper making, book art, printmaking, quilting and embellishing. Students will learn to evaluate, analyze, and critique their own work and that of others in a productive way using art specific vocabulary.

Graphic Arts
(786)

Length: 1 Semester

Grade: 9-12

Meeting/Cycle: Daily

Credit: .50

The Graphic Arts course covers a broad range of art forms. Graphic art is typically two-dimensional and includes calligraphy, photography, drawing, painting, printmaking, lithography, typography, silk-screen printing, and bindery. This course is designed to also have a computer generated component to the art class. Students will be using Photoshop type applications along with other desktop programs to enhance graphic art projects. Students will learn to evaluate, analyze, and critique their own art work and that of others in a productive way using art specific vocabulary.

Fine Arts/Music

Band 9 - 12

(701- Full Year) or (702- One Semester)

Length: 1 Semester or 1 Year

Meeting/Cycle: Daily

Credit: .50 or 1

This course is designed for the student who wishes to further his/her knowledge of music and their instrument through performances. This class rehearses in school as well as after school in order to prepare for the various concerts and home football games throughout the year. Any junior high student enrolled in this class will have the opportunity to audition to perform in the Lycoming County Band Directors Association Junior County Band Festival. Additionally, any senior high student enrolled in this class will have the opportunity to audition to perform in other ensembles outside of Muncy Jr./Sr. High School. (A student may take band and chorus simultaneously during a semester.)

Chorus 9-12

(711- Full Year) or (712- One Semester)

Length: 1 Semester or 1 Year

Meeting/Cycle: Daily

Credit: .50 or 1

This course is designed for the student to further his/her knowledge of music and vocal music through performance. This class rehearses in school in order to prepare to perform in concerts throughout the school year. Any seventh and eighth grade student enrolled in this class will have the opportunity to audition to perform in the Lycoming Junior High County Chorus Festival. Any Senior High student enrolled in this class will have the opportunity to audition to perform in PMEA Festivals. (A student may take chorus and band simultaneously during a semester.)

Practical Arts/Industrial Arts/Technology Education

CAD I

(735)

Length: 1 Semester

Meeting/Cycle: Daily

Credit: .50

This course is designed to be an introductory course in which students will learn basics of technical drawing, as well as rendering and rapid prototyping. Students will learn basic board drafting techniques as well as geometric constructions. Instruction in the use and function of the computer aided drafting (CAD) programs and accepted drafting techniques and conventions will be demonstrated. Students will explore 2D CAD and 3D solids modeling programs as well as integration of vector and raster image programs into the engineering design process. This course is recommended for students interested in entering the fields of engineering (civil or mechanical), drafting/design and/or architecture.

Technology I

(736)

Length: 1 Semester

Meeting/Cycle: Daily

Grade: 9-12

Credit: .50

This course is designed to be a direct application of current technical topics in manufacturing, construction, communications, energy, power and biotechnology. The main goal of this course is to provide instruction in the use of technology for identifying and collecting data, making and validating hypotheses, and problem solving. Mathematical reasoning and mathematical concepts such as charting and graphing will also be part of the course content. This course is for any student with a strong desire to learn how technology applies to a wide variety of industrial and experimental applications.

Methods and Material of Woodworking I

(745)

Length: 1 Semester

Meeting/Cycle: Daily

Credit: .50

This course is designed to be an introductory course where students will learn the science of various materials and gain experience in working with various building materials. This course is designed to teach students basic scientific properties of materials as well as proper tools and techniques for cutting, shaping, and finishing each medium. Students will work individually to complete projects that incorporate woods, plastics metals, ceramics, concrete and engineered materials. In a culminating experience, students will employ skills learned throughout the course to design and fabricate a project of their choice with the permission of the instructor.

Technology II
(748)

Length: 1 Year

Meeting/Cycle: Daily

Credit: 1

This course is designed to be a study of advanced applications in manufacturing, construction, communications, energy, power and biotechnology. The main goal of this course is to provide instruction in the use of technology for identifying and collecting data, making and validating hypotheses and problem solving. Mathematical reasoning and mathematical concepts such as charting and graphing will also be part of the course content. Advanced applications in digital electronics, robotics, CAD/CAM and graphical design technology will be explored. Students will be expected to develop prototype solutions to real-world problems and communicate design solutions to their peers.

Methods and Material of Woodworking II
(755)

Length: 1 Semester

Meeting/Cycle: Daily

Credit: .50

This course is designed to be an intermediate course where students will learn the science of various materials and gain experience in working with various building materials. This course is designed to teach students in-depth scientific properties of materials as well as proper tools and techniques for cutting, shaping, and finishing each medium. Students will work individually to complete projects that incorporate woods, plastics, metals, ceramics, concrete and engineered materials. In a culminating experience, students will employ skills learned thought the course to design and fabricate a project of their choice with the permission of the instructor.

Methods and Materials of Woodworking III
(765)

Length: 1 Semester

Meeting/Cycle: Daily

Credit: .50

This course is designed to be an advanced course in which students will learn advancements in material science. Students will gain experience in material processing techniques as well as tool care and maintenance. Students will explore concepts and techniques in bending wood, forming plastics, casting ceramics, and employing advanced finishing techniques. Students will complete projects to gain experience in each medium. In a culminating experience, students will employ skills learned thought the course to design and fabricate a project of their choice with the permission of the instructor.

CAD II
(766)

Length: 1 Semester
Grade: 10-12
Meeting/Cycle: Daily
.50

Credit:

Architecture is an advanced course where students will learn advanced elements of technical drawing, rendering and rapid prototyping. Instruction in the use and function of the computer aided drafting (CAD) programs and accepted drafting techniques and conventions will be demonstrated. Elements of house design from planning to design consideration will be addressed. Students will learn about house designs from the aspects of structure, interior, exterior, roofs, plumbing, electrical, HVAC and engineering design. Exercises are designed for students to learn about aspects and codes involved in each element of house design from foundation planning to kitchen design. Students will explore Building Information Modeling (BIM) which allows for structural analysis as well as cost analysis. This course is recommended for students interested in entering the fields of Architecture, drafting/design and/or Architectural Engineering and is for students who are self-motivated to learn in an online environment.

Methods and Materials of Construction
(768)

Length: 1 Year
Meeting/Cycle: Daily

Grade: 11-12
Credit: 1

This course is designed to be a capstone experience where students can employ skills learned in previous technology education courses to solve real-world predictable and unpredictable problems. Students will work collectively in teams to solve problems and create prototypes as to mimic industrial organization. Class diversity will allow for students to work through the design process in teams where some students will excel in design while others will excel in fabrication and materials selection. The main goal of this course is to let students experience how an industrial organization is divided into differing talent groups and how those groups work collectively to develop a solution a common problem. Such problems in the class might include, but are not limited to, designing a hovercraft, building a CNC machine, developing a new product, or creating an improvement to an existing product.

CAD III
(769)

Length: 1 Semester

Meeting/Cycle: Daily

Credit: .50

Solid Modeling is an advanced course where students will learn advanced elements of technical drawing, rendering and rapid prototyping. Instruction in the use and function of the computer aided drafting (CAD) programs and accepted drafting techniques and conventions will be demonstrated. Elements of Engineering Design will be addressed from part creation to assembly to engineering drawing creation. Students will study on-screen testing analysis and well as rendering and animation of mechanical drawings using Solidworks. Units in mechanics such as power transmission, pneumatics and hydraulics will be studied. Students will also gain insight to the world of automation through the study of LASER, CNC and rapid prototyping activities. This course is designed to be for students who are interested in the field of Mechanical Engineering and who have a desire to learn on an independent timeframe and experiment with 3D drawing software.

Practical Arts/Family and Consumer Science

Family and Consumer Science 9

(734)

Length: 1 Semester

Meeting/Cycle: Daily

Credit: .50

This course is designed to instruct students about the basic needs of all humans, including a brief introduction to the development of children. Emphasis will be placed on ways to strengthen the family unit through positive communication and rational decision-making skills. The child development unit includes the option of a "REAL BABY II" experience. The food and nutrition unit emphasizes fruits and vegetables.

Family and Consumer Science I

(744)

Length: 1 Semester

Meeting/Cycle: Daily

Credit: .50

This course is designed around activity-based mini-units. The topics of this course include using the muffin and biscuit mixing methods, understanding the principles of baking and the function of ingredients, as well as the chemistry of baking. Attention will be given to using ingredients to promote healthy eating and prevention and treatment of diseases, as well as gaining an understanding of current fad diets and eating disorders.

Family and Consumer Science II
(756)

Length: 1 Semester

Meeting/Cycle: Daily

Credit: .50

This course is designed to provide students with the basic food preparation methods, such as roasting, baking, steaming, sautéing, and slow cooking. It includes freezing, canning, and drying of local, seasonal food, to preserve for future use. The baking unit will emphasize yeast breads. Students will also explore ethnic foods and dishes.

Family and Consumer Science 12
(767)

Length: 1 Year

Meeting/Cycle: Daily

Grade: 12

Credit: 1

This course is designed to enable students to participate in a more in depth study of foods and nutrition, with an emphasis on sports nutrition, as well as lifestyle changes that promote wellness and prevent disease. Students will work in groups to prepare eggs, salads, casseroles, and other healthy foods. Sources of protein will be prepared, including vegetarian alternatives. There will be a unit on financial management and renting an apartment, as well as buying a car. Students will also learn about relationship skills and childcare/parenting issues.

Special Education

Academic Instructional Support
(090 -092)

Length: 1 Semester

Meeting/Cycle: Daily

Credit: 1

This course is designed for identified students. The class is designed to facilitate and develop independent work ethic and study habits that will provide students with skills to be successful beyond high school. Additionally, this course focuses on progress monitoring of individualized education plan (IEP) goals. This course is a requirement for all identified students during both semesters of the school year.

LYCOMING CAREER AND TECHNOLOGY CENTER

Students may enroll in a vocational-technical system offering program clusters through the Lycoming Career Center. The program clusters are three year/levels; a student may enroll for one to three years. **The following coursed descriptions were written by LCTC instructors and were approved by their local governing body.**

AUTOMOTIVE TECHNOLOGY – (2.0 hours/day)

If you are interested in cars and want to repair high tech vehicles, take a closer look at the Auto Tech program. This program, designed for students who would like to work in the automotive service industry, is certified by Automotive Service Excellence (ASE.) The LycoCTC Automotive Technology Program follows the National Automotive Technicians Education Foundation (NATEF) guidelines.

When you enroll in the program, you will learn about performance, computer electronics, engine and chassis diagnoses and repair. Through this program students may acquire a Pennsylvania Automotive State Inspection License, prepare for the Automotive Service Excellence (ASE) Certification, and complete SNAP-ON DVOM Training.

COMPUTER SERVICE TECHNOLOGY – (2.0 hours/day)

Technology today is changing at supersonic speed. However, you don't need to be left behind. You can become part of the team of experts who repair or maintain computers and networks.

By learning operating systems, hardware, and networking as part of the preparation for the Computer Technology Industry Association's (CompTIA) A+ Service Technician Certification, you will gain foundation skills valued by employers.

CONSTRUCTION TECHNOLOGY – (2.0 hours/day)

This program provides students the opportunity to learn skills in the construction field such as: carpentry, masonry, electricity, plumbing, heating, and air conditioning. Students learn safety practices as they relate to using hand tools, power tools and performing tasks in the construction industry. *All students learn to use hand tools, power tools and the safety practices related to their use.* Students may earn the National Center for Construction Education and Research (NCCER) Certification.

CRIMINAL JUSTICE – (2.0 hours/day)

The Criminal Justice program is available to high school students who are interested in law enforcement or the military. Through a combination of academic-based instruction and “hands-on” experience, students will acquire the basic skills needed to succeed in a related career field. Some of the areas studied include the criminal justice system, use of force, communication and report writing, patrol functions, crimes code and vehicle code, crime scene investigation, and physical education.

The Criminal Justice program helps to prepare you for a career in private security, law enforcement, corrections, military, or to continue your post-high school education.

CULINARY ARTS – (2.0 hours/day)

Did you ever wonder what it would be like being a chef working in a 5-star restaurant? What about being an executive chef working for a Food Service Corporation? Our program prepares you for higher education and gets you ready to attain your goals you have set for yourself. Our instructor will give you a jump-start on your career goals and help you receive your ServSafe certification.

DRAFTING & DESIGN TECHNOLOGY – (2.0 hours/day)

If you are interested in combining your creativity with your interests in the architectural, industrial, or mechanical world, this program could be for you. When you enroll in the Drafting & Design Program, you work toward successfully moving into architectural, mechanical, or civil engineering careers. In this curriculum you will branch out into other industrial areas such as Precision Machine Technology or Plastics and Polymers. You can assist in the design of our student-built construction projects. These are fully built, successfully designed and completed each year by our students. What could serve as a better hands-on experience?

You can continue your education at a college or university. Your background established here combined with post-secondary education provides you with an excellent foundation for a prosperous career in an engineering related field.

EARLY CHILDHOOD EDUCATION – (2.0 hours/day)

This program prepares students for employment in early childhood education and childcare services and provides the foundations for study in higher education that lead to early childhood educators and child related careers. The course of study includes but is not limited to: planning and guiding developmentally appropriate activities for young children; developmentally appropriate practices of guidance and discipline; application of basic health and safety principles when working with young children; overview of management and operation of licensed child care facilities and employability skills.

This course emphasizes learning experiences, which will help students gain knowledge and understanding of the intellectual, physical, social, and emotional development of children from conception to adolescence. The students will have opportunities to apply their understanding about children through participation, observation of children individually and in groups, and planning and evaluating group activities, which meet their needs. It includes instruction in child development and behavior, as well as observations and participation in an actual on-site preschool.

This course provides a solid base for students planning to enter the fields of Occupational Child Care, Para-educator, or Elementary Education. *This program is located at the Ashkar Elementary School in Hughesville.*

HEALTH CAREERS – (2.0 hours/day)

As the world of medicine and science changes and grows virtually every day, the number of jobs in the health field grows as well. Join the Health Careers program and learn about the exciting world of health care in a productive hands-on learning environment to gain a head-start in the health field. Learn about human anatomy, medical abbreviations and terminology, the skills required for lab and technical employment, and the behind-the-scenes work such as insurance billing and record keeping. The Health Careers Program offers students the opportunity to prepare for a variety of health occupations. Students learn basic health assistant skills in the theory and skills lab within the classroom. Whether you are college bound or seeking employment immediately upon high school graduation, this program will prepare you for a future in the health field. Completion of the Health Careers program is not just educational; the program leads students to rewarding careers in one of today's fastest growing job markets.

SPECIAL PROGRAMS

DIVERSIFIED OCCUPATIONS (720 hours/year)

This senior only, one year program, resembles a traditional apprenticeship as students gain on the job experience in a career field not offered as a program at LycoCTC.

WORK BASE OPTION

This third year/senior student opportunity allows students to get on the job training in their field at a co-op or internship placement.

COLLEGE CREDIT OPTIONS

This upper level opportunity is based out of the **Pennsylvania College of Technology** (Penn College) for students interested in earning college credits while in high school. Students can earn these credits by attending Penn College courses or by doing coursework at LycoCTC through the Penn College NOW Program. An agreement between Penn College and LycoCTC makes these courses available.

Interscholastic Athletic Offerings

The high school athletic department offers a wide variety of interscholastic sports for students in the Muncy School District. A member of the Pennsylvania Interscholastic Athletic Association (PIAA), the governing body which establishes standards for all athletic events in the state, Muncy also has league affiliations with the Northern Tier League in Football.

- **Fall Sports**

- Football
- Boys Soccer
- Girls Soccer
- Field Hockey*
- Girls Tennis
- Golf*
- Cheerleading
- Junior High Softball

- **Winter Sports**

- Boys Basketball
- Boys Junior High Basketball
- Girls Basketball
- Girls Junior High Basketball
- Wrestling
- Cheerleading

- **Spring Sports**

- Baseball
- Softball
- Boys Tennis*
- Track & Field*
- Junior High Field Hockey
- Boys Junior High Soccer
- Girls Junior High Soccer

*Cooperative Sponsorship with Montgomery Area School District

** Elementary offerings include wrestling and basketball for both boys and girls.

Extracurricular Activities

ARS NOVA

Ars Nova Theater program is available for students in Grades 7 – 12. The program is designed to provide theater and stage experience to our students. In addition to a student cast, there may also be a student director, student manager, stage crew, lighting crew, ticket crew, and a program committee. Rehearsals are scheduled during the evening, as requested by the faculty director. Public and school performances will be scheduled as determined by the faculty director and building principals.

ART CLUB

Open to students in grades 7-12. Students in this club do art related projects for school, such as t-shirts and murals.

BLUE ARROWHEAD

The Muncy Jr./Sr. High School Blue Arrowhead Club is open to and composed of students in grades 7 – 12 who enjoy writing with purpose and creativity. This club is designed to enhance writing skills/abilities and foster open mindedness along with respectful communication through choice of words both written and spoken. The Blue Arrowhead Advisor will encourage club members to share their pieces of work with fellow club members in a positive atmosphere. It is the sincere hope to help each student find their “voice” through their writing so they may be an assertive, effective and respectful member of our society.

CHESS CLUB

The Chess Club is available to students in grades 7-12. The club is designed to teach concentration, strategy, and sportsmanship through the game of Chess.

CHRISTIAN CLUB

The focus of The Christian Club is to provide Christian fellowship in the school environment and opportunities to serve school and local community needs. Members are eligible to participate in Christian entertainment and informative programs. Students in Grades 7 – 12 are eligible for membership.

DIVERSITY CLUB

The Diversity Club is open to all 7-12 grade students. The purpose of this organization is to promote, support, and embrace the diversity of our school and community.

FOREIGN LANGUAGE CLUB

Foreign Language Club is for students in Grades 8– 12. The purpose of the Foreign Language Club is to encourage students to become aware of differences and similarities in culture and to motivate them in the reasons for learning a foreign language.

FUTURE BUSINESS LEADERS OF AMERICA (FBLA)

Future Business Leaders of America (FBLA) is a national organization created to help high school students develop competent, aggressive business leadership; strengthen the confidence of students in themselves and their work; create more interest in and understanding of American business enterprise; encourage members in the development of individual projects that contribute to the improvement of home, business, and community; develop character, prepare for useful citizenship, and foster patriotism; encourage and practice efficient money management; encourage scholarship and promote school loyalty; assist students in the establishment of occupational goals; and facilitate the transition from school to work. To achieve these goals FBLA participates in a variety of regional, state, and national activities, including, but not limited to: Regional Leadership Workshop, State Leadership Workshop, Regional Leadership Conference, State Leadership Conference, and the National Leadership Conference. Local members also participate and sponsor an assortment of local activities such as: Indian Fest, various fundraising events, local volunteering, discussion about leadership and business. General membership is open to all students' grades 9-12 who have an interest in developing business and leadership skills.

KEY CLUB

The Muncy Chapter of Kiwanis International sponsors the Muncy High School Key Club. The purpose of the club is to model the Kiwanis theme of "service". This includes both service to school and service to community. To achieve this goal, the club conducts various projects to benefit the citizens of the Muncy community. Students in Grades 9 – 12 are eligible for membership.

M CLUB

The Muncy M Club will provide an organization that students may participate in the aid in school spirit throughout the Muncy Community and the Muncy Student body and aid in raising money for student varsity jackets and other items that would either benefit Muncy Athletes or increase school spirit.

ODYSSEY OF THE MIND

Odyssey of the Mind (OM) is an international competition in creative problem solving. Students in Grades 4 – 12 are eligible to compete. Teams consist of seven students divided into divisions based on grade level and the problem chosen by the team. Coaches and judges consist of volunteer parents and teachers. The team organization begins in October. Regional competition takes place in March. Teams that advance at the Regional level compete at the State competition in April. The World competition is held in June.

OUTDOOR CLUB

The Outdoor Club is open to students in Grades 7 – 12. The purpose of the organization is to provide outdoor activities in order to promote environmental awareness at Muncy Jr./Sr. High School. During the year, student members will have the opportunity to attend various outings.

SADD

This organization, Students Against Destructive Decisions, was born out of growing concern for people, especially teenagers, who drive under the influence of alcohol. Students at Muncy High School have banded together to try to do something about this national problem. The student members of SADD share four common goals: To help save their own lives and the lives of others. To educate fellow students concerning the problem of drinking and driving. To increase public awareness of the problem of drinking and driving. To provide their peers with an opportunity to talk about their attitudes and behavior toward alcohol and drugs.

SADD conducts various activities throughout the year aimed at accomplishing their goals. Students also hold fundraisers to help support future projects. Membership is open to all interested students in Grades 7 – 12.

SCIENCE CLUB/SCIENCE OLYMPIAD

The Science Club is open to students in Grades 7 – 12. The focus of the club is to provide opportunities for students to compete in various Regional and State science competitions. Student members are also eligible to attend field trips and informative sessions at area colleges.

STUDENT COUNCIL

The purpose of the Student Council is to develop attitudes of and practice in good Citizenship; improve harmonious relations through the entire school morale; assist in management of school; provide a forum for student expression; and promote the general welfare of the school. To achieve these goals, Student Council sponsors Secret Pal and Spirit Weeks, dances, assemblies, contests, and special activities near the Holidays. Several students attend National, State, Regional, and District meetings. The main objective of the Council is to make Muncy Jr/Sr High School the best school ever. General membership is composed of students elected from each grade representing each homeroom, as well as members at large. (Elementary has its own Student Council).

TECHNOLOGY AND COMPUTER CLUB

The Technology and Computer Club at Muncy School District encompasses grades 7-12 at the Jr. Sr. High School. We hold meetings during activity periods and either before or after school pending student schedules. The club is divided into Jr. High section grades 7-9 and Sr. High section grades 10-12. One of the main goals of the club is to increase technology literacy of students through the applications of concepts taught in the regular classroom as well as through activities that the club will perform during monthly meetings. Meetings will be used as a time to plan and collaborate for competitions such as the PA Computer Fair and Pennsylvania College of Technology. At the PA Computer Fair, students can gain real-world experiences through applications while working in teams to compete against local schools. Also, competitions will allow students to network with other students around the state and share ideas to solve future technological problems of tomorrow. The overall main goal of the Technology and Computer club is to develop leadership skills in the students at Muncy School District.

WEIGHT TRAINING CLUB

The purpose of the Muncy Weight Training Club is to discuss and execute life time health and fitness exercises and nutritional habits which in turn will lead to being well rounded individuals and positive contributors to society. The club would have members, both male and female students that attend the Muncy High School. These members would coordinate and take the lead on the Weight Training Club fundraisers and marketing of future activities or events the club would develop or participate in. To be a member of the club doesn't require that a student be involved with weight training but that student must show interest in improving themselves both mentally and physically.

Elementary Offerings include:

6th grade play; Odyssey of the Mind; Battle of the Books; Honors Art; Honors Chorus; Band