

**Hardin**

**Middle**

**7th Grade Enrollment**

**Packet**

**2020-2021**



## Core & Required Classes for 7<sup>th</sup> grade

**MATH 7:** This is a yearlong course. Students study the structural characteristics of mathematics with attention devoted to increasing proficiency in arithmetic and the use of mathematical concepts in problem solving. Topics covered include the language of pre-algebra, problem solving, properties of real numbers, integers, solving equations, fractions, ratios, proportions, percent, formulas, functions, exponents, graphing, geometry, and an introduction to coordinate geometry providing a foundation for the study of Introduction to Algebraic Concepts and the exploration of the other branches of mathematics.

**ACCELERATED MATH 7:** This is a yearlong course taught at the 7th grade level with students *meeting the accelerated criteria*. Students will be exposed to 8th grade material. Students study in a rigorous mathematics class with high expectations. Topics covered include a preview of algebra, properties of real numbers, signed numbers, solving equations and inequalities, graphs, slope, formulas, functions, systems of equations, exponents, sentences, radicals, polynomials, factorings, proportions, rational equations and quadratics. *Students must have teacher permission to enroll in this course.*

**ENGLISH LANGUAGE ARTS (ELA):** 7th Grade English Language Arts is a sequential course within the 5-8 programs utilizing Reader's & Writer's workshop. Students will develop skills in the following areas: grammar, composition, literature, speaking/listening, library skills, critical thinking skills, & vocabulary. The course is designed to familiarize the student with the communication skills, which are central to both cognitive & social development. The course expands the student's knowledge of the human experience through exposure to quality literature, sharpen the student's ability to communicate through writing, oral, & visual means, develop the student's skills to gather manipulate data & information using current technology, & intensify the student's ability to utilize higher-level critical thinking skills.

**WORLD HISTORY:** This Social Studies course will explore how the civics and cultures of ancient Greece and Rome influenced western civilizations. This course also covers how the Renaissance, Reformation, and European Exploration influenced western civilizations. Students will also learn about European exploration in the Americas and the impact that played on Native American cultures and civilization.

**LIFE SCIENCE:** Students will have the opportunity to study animal & plant life from the one-celled forms to the most complex. Specific topics to be covered include the study & use of the scientific method as well as the study of the metric system, microscopic life, classification & study of animal & plant life, cells, genetics, & ecology, which will include man's impact on the natural world. In addition, current issues in various branches of science will be discussed.

**PHYSICAL EDUCATION & HEALTH:** The Physical Education Middle School program consists of a variety of team sports, individual sports, and fitness related games. Participation, sportsmanship, skill development, and team building are the major components of these activities. Lifetime wellness concepts are included to enable students to make informed decisions in regards to their own personal health.

**COMPUTERS:** This course is designed to introduce students to integrated software package used to teach word processing, spreadsheet & presentation applications. Students will also continue to develop research skills through use of the Internet. Students receive immediate benefits, which will be utilized in other courses throughout their educational career. They will use the skills learned to prepare reports & presentations for other classes & retain skills learned for future personal use, education, & careers.

**ACADEMIC LAB:** Every student is purposefully placed in academic lab based on the review of MAP scores, Galileo scores, summative course assessment scores, and teacher recommendation. During this time Leader in Me concepts are taught and reinforced throughout the school year.

### **Remedial Coursework**

**READING:** Students who are identified as needing extra support in Reading may be enrolled in this class. During the class, students receive extra help to strengthen skills & knowledge in core areas. This placement will be determined based on MAP scores, Galileo scores, summative course assessment scores, and & teacher recommendation. (Not all 7<sup>th</sup> graders are required to enroll in this class).

**MATH STRATEGIES:** Students who are identified as needing extra support in Math may be enrolled in this class. During the class, students receive extra help to strengthen skills & knowledge in core areas. This placement will be determined based on MAP scores, Galileo scores, summative course assessment scores, and & teacher recommendation. (Not all 7<sup>th</sup> graders are required to enroll in this class).

### **Exploratory Classes**

**CONCERT BAND 7: (Pre-requisite - 6th Grade Band)** This class is for students who play at a 7<sup>th</sup> grade level & have at least one year of experience in band. The focus of this class will be on the further development of fundamental music skills & techniques learned in beginning band, as well as gaining an appreciation for music as a form of artistic expression. Students enrolled in this class will have the opportunity to participate in school concerts, music festivals, Jazz Band & other types of performances.

**JAZZ BAND: (Pre-requisite - 6th Grade Band)** This class is for students who play at an intermediate or advanced level & are interested in an introductory course on playing & performing in a Jazz Ensemble. The focus of this class will be on Jazz styles & techniques, as well as the history & culture of Jazz as an American art form. Any student selected to play in this ensemble must also be enrolled concurrently in Concert Band 7 , with the exception of pianists, guitarists, bass guitarists or string bassists, & vocalists (although these instruments/vocals need instructor approval for enrollment). Students enrolled in this class will have the opportunity to participate in school concerts, music festivals, & other types of performances.

**ORCHESTRA:** Students must have one year of recent experience or permission of the instructor to enroll. Violin, viola, cello & string bass are taught. Students are responsible for providing an instrument, method book, & various supplies needed for participation. Supplemental materials & sheet music will be provided. Orchestra performance & small group skills are stressed with advanced playing technique being developed. At-home practice will be expected. Students enrolled in this class will have the opportunity to participate in school concerts, music festivals, & other types of performances.

**ADVANCED ORCHESTRA:** Students must have two years of recent experience or permission of the instructor to enroll. This class meets daily. Violin, viola, cello & string bass are taught. Students are responsible for providing an instrument, method book, & various supplies needed for participation. Supplemental materials & sheet music will be provided. Orchestra performance & small group skills are stressed with advanced playing technique being developed. At-home practice will be expected. Students enrolled in this class will have the opportunity to participate in school concerts, music festivals, & other types of performances.

**7TH GRADE TREBLE CHOIR: (Prerequisite: approval from instructor)**

This course is a choral music performance class comprised entirely of female voices. Emphasis will be placed on the choral experience through individual vocal development and choral skills. Students will study music notation and develop sight-reading skills through daily sight-singing activities. Students will study two and three-part choral literature from all historical and cultural periods of music. Students will also study vocal technique and practice performing skills, including staging and movement. Students will be required to perform for a live audience at least two times during the academic year. Students enrolled in this class will have the opportunity to participate in school concerts, music festivals, & other types of performances.

**MEN'S CHOIR: (Prerequisite: approval from instructor)**

This course is a choral music performance class comprised entirely of male voices. Emphasis will be placed on the choral experience through individual vocal development and choral skills. Students will study music notation and develop sight-reading skills through daily sight-singing activities. Students will study two and three-part choral literature from all historical and cultural periods of music. Students will also study vocal technique and practice performing skills, including staging and movement. Students will be required to perform for a live audience at least two times during the academic year. Students enrolled in this class will have the opportunity to participate in school concerts, music festivals, & other types of performances.

**A.P.E.X. – Advanced Program for Exploration:** A.P.E.X. is the third GATE in the Gifted & Talented Education Studies (G.A.T.E.S.) program. This program is offered to identified gifted & talented students at the 7<sup>th</sup> & 8<sup>th</sup> grade level. The A.P.E.X. program builds upon knowledge & skills presented in the elementary & 5-6 grade programs. The A.P.E.X. program is designed to promote research skills, problem solving, critical thinking & affective awareness in gifted students. The units for the middle school program are interdisciplinary in nature & offer elements from the four core education areas, along with creative & fine arts elements. The Units are theme based & focus on real world questions & problems. Technology is used extensively, providing students access to computers, digital, still & video cameras & smart board technology. Students have access to computer programs such as Microsoft Word, Power Point, Publisher, Excel & Movie Maker along with a multitude of open source programs offered on the internet. Prerequisite: Must be currently enrolled in the gifted program. Students enrolled in APEX will attend for ½ of a school day during the week.

**EXPLORATION OF WORLD CULTURES AND LANGUAGES:** In this semester class students will experience all three language offerings: German, French, and Spanish. Students will get an introduction to each language including phonics, basic conversation, numbers, colors, and geography. Upon successful completion of this class students may choose to take Level 1 German, French or Spanish for high school credit in 8<sup>th</sup> grade.

**DRAMA:** 7th grade drama is an introduction to the fundamental acting skills. Students learn movement, vocal control & characterization skills. Students will participate in various activities that may include plays, improvisation, reader's theatre, pantomime, & short scenes. Through these activities, they will learn physical & vocal presentation skills & develop basic knowledge of theatre arts. Evaluation will be based primarily on in-class performances.

**ART:** Students will have the opportunity to draw, paint, sculpt as well as create graphic designs in a variety of media. The class provides experiences to grow in the areas of art making, art history & art criticism. This class is rich in written & visual resources with each project designed to develop technical skill & promote creative interpretation.

**FAMILY & CONSUMER SCIENCE (FACS):** The 7th grade FACS program is one in which students can demonstrate their creative talents. A sewing project that reflects personal interest & ability will be completed. Hand & machine sewing will be practiced during the construction of the project. Clothing care & repair concepts will also be addressed. Students will practice culinary skills while working in the kitchen. Basic nutrition, safety, sanitation, & time management will be emphasized while preparing & serving simple foods. Cooperation, problem solving, & evaluation skills are enhanced during all lab experiences. Lab fee of approximately \$20 for upgraded materials for projects.

**EXPLORATORY TECHNOLOGY:** This program is an 18 week course exploring industrial technology. The curriculum revolves around three major areas of study: communication, production, and transportation. This program responds to the needs of all students undergoing rapid physical, emotional, social, and intellectual growth of this middle school age group. This course is designed to provide active learning situations in technology emphasizing problem solving, creativity, and cooperation. Lab fee of approximately \$20 for upgraded materials for projects.

**\*\*PEER HELPERS 7<sup>th</sup> & 8<sup>th</sup> Grade:** This course is designed to further develop communication & leadership skills. Students will learn how to reach out to help & encourage others. Skills developed include empathy, decision making, assertiveness, & problem solving. As trained peer listeners students may serve as conflict mediators, tutors, tour guides, & peer buddies while assisting students at Blackhurst Elementary.

**COMPETITIVE PE:**

This 7th and 8th grade course introduces skills, strategies and rules associated with team sports such as basketball, volleyball, soccer, softball, team handball and flag football, in a highly competitive environment. This course will also provide an opportunity to officiate and to enhance skills in team sports strategies. Students in this course will be constantly moving and involved in game play.

**PLTW DESIGN & MODELING:** Students apply the design process to solve problems and understand the influence of creativity and innovation in their lives. They work in teams to design a playground and furniture, capturing research and ideas in their engineering notebooks. Using Autodesk® design software, students create a virtual image of their designs and produce a portfolio to showcase their innovative solutions.

**\*\*All classes are strictly based on enrollment numbers. In past years, these classes have not had enough requests by students to include the classes in the schedule.**