Hardin Middle

7th Grade Enrollment Packet 2016 - 2017



Core & Required Classes for 7th grade

7th GRADE MATH: 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.

PRE-ALGEBRA: This is a yearlong course taught at both the 7th and 8th grade levels with 7th grade students *testing into the course*. This is the standard 8th grade math course. 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.

<u>U.S.HISTORY:</u> The social studies program utilizes a scope of knowledge that including topics from discovery, founding, building, governing, growth problems & solutions of our nation through the Reconstruction Era. This course emphasizes the concept of cause & effect as it relates to geography, basic government, economics & the development of the American culture. The class emphasizes skills of critical thinking, analysis of data, and cause and effect as it relates to geography, basic government, economics, and the development of American Culture. Current events are also incorporated.

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 includes a variety of team sports/activities, individual sports/activities, and recreational games. Sportsmanship, skill development and team building are the major components of these activities. Personal fitness concepts are included to enable students to make informed choices in regards to their own personal fitness.

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.

<u>VISUAL ART:</u> 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.

Medical Detectives:

Students play the role of real-life medical detectives as they analyze genetic testing results to diagnose disease and study DNA evidence found at a "crime scene." They solve medical mysteries through hands-on projects and labs, investigate how to measure and interpret vital signs, and learn how the systems of the human body work together to maintain health.

T.C. (**Tiger Connection**): Students practice & learn how to implement character traits such as responsibility, honesty, cooperation & respect. Teams may use TC for extra help in daily classwork.

Remedial Coursework

READING, ELA, & Math: Students who are identified as needing extra support in Reading, Communication Arts, &/or Math may be enrolled in a support class in the appropriate area. During the class, students receive extra help to strengthen skills & knowledge in core areas. These classes are determined based on MAP scores, diagnostic Reading/CA/Math scores, & teacher recommendation. (Not all 7th graders are required to enroll in this class). Students who will need to enroll for any of these classes will be notified prior to the school year and will be given specific course information.

Exploratory Classes

CONCERT BAND: (Pre-requisite - 6th Grade Band) This class is for students who play at a basic 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.

SYMPHONIC BAND: (Pre-requisite - 6th Grade Band) This class is for students who play at an intermediate 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.

<u>WIND ENSEMBLE: (Pre-requisite - 6th Grade Band)</u> This class is for students who play at an advanced 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 Symphonic Band or Wind Ensemble**, 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.

**GENERAL MUSIC: This course will last for one semester and provides focused study on musical style, history, composition, and notation. Students listen to and study examples of music from different historical periods and cultures. Students analyze how music is constructed through listening to many different musical examples. Students are introduced to how music is used in various careers they may pursue in the future. This course will benefit students who are currently involved in performance ensembles as well as those who have musical aspirations but do not wish to participate in rigorous performance schedules.

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, & participation at all performances is required.

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, & participation at all performances is required.

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

This course is a performance choir for female students who wish to improve singing ability & learn more about music. A minimum of three concerts are scheduled for this group with other potential performance opportunities available. The Choir will perform a variety of musical selections, including some which contain religious subject matter. The choir will also learn some simple choreography for one concert to better their understanding of rhythms in music. Students will study vocal music performance practices, music notation & music history using two & three-part choral music in order to prepare for membership in high school choirs & for lifelong music enjoyment.

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

This course is a performance choir for male students who wish to improve singing ability & learn more about music. A minimum of three concerts are scheduled for this group with other potential performance opportunities available. The Choir will perform a variety of musical selections, including some which contain religious subject matter. The choir will also learn some simple choreography for one concert to better their understanding of rhythms in music. Students will study vocal music performance practices, music notation & music history using two & three-part choral music in order to prepare for membership in high school choirs & for lifelong music enjoyment.

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 7th & 8th 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 8th 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.

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.

INDUSTRIAL 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.

**Grade 7 LEADERSHIP: PEER Helpers: The content of the Leadership: PEER Helpers course provides the foundation for students transitioning to middle school to be leaders within their school community. The course will focus on: promoting communication skills with peers and adults, developing leadership and teamwork skills that will impact the individual as well as the school community, learning skills to demonstrate personal responsibility, and accountability. These skills will be taught to help participants develop a student voice, become helpers to their peers and serve as role models and ambassadors to other students within the school community. Through a variety of learning experiences and application of these skills students will demonstrate their confidence in serving as a leader not only within the school community but in their daily lives as well.

**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.