

2024 - 2025 Curriculum Guide

6th Grade

Required Courses

Math (Year)

Topics covered are statistics, expressions, equations, functions, inequalities, decimals, fractions, integers and the coordinate plane, ratios and rates, percent, area, volume and surface area. The students are expected to have already mastered Operations with Whole Numbers, including their basic facts in addition, subtraction, multiplication, and division. *Very little review time is spent in this area.*

Science (Year)

The sixth grade science course curriculum incorporates life science, physical science, and earth science. Students will use the Mi-STAR middle school curriculum that supports both the NGSS and the Michigan State Standards, which empowers students to use science and engineering practices to address real-world issues.

World Geography (Year)

A survey of the world, including geography, history, natural resources, government, and beliefs. Note-taking, outlining, and other graphic organizers are stressed to help students organize, understand, and retain information from an expository text. Critical thinking skills are developed through written and oral expression. Cooperative study groups and projects are used for presentation and review of information taught. Map skills are reinforced throughout the course. Technology is integrated throughout the curriculum.

ELA (Year)

This course includes the basic elements of reading, writing, viewing and listening. Students will analyze literature through class discussion, written work, formal papers, group interactions, and personal reflections. Students will be required to keep and maintain a Student Learning Guide, created by the Bookworms Middle School Curriculum. In addition to independent reading from a variety of genres, we will read several class novels, including *The Boy Who Harnessed the Wind*, *The Boy on the Wooden Box*, *Brown Girl Dreaming*, and *Lizzie Bright and the Buckminster Boy*. Instruction will also include grammar, usage, vocabulary, research, as well as organizational techniques. Students will write in a variety of genres including, but not limited to narratives, argumentative, and informative/explanatory,

Physical Education (Year)

The students are introduced to a variety of team and individual activities, which promote healthy lifestyles as well as the development of a sound mind, body, and social well being. Examples of activities include: kickball, soccer, tennis, lacrosse, basketball, volleyball, cup stacking, wrestling, dance, wiffle ball, floor hockey, fitness training & testing, volleyball, air force football and track & field. All students will participate in a Fun Field Day at the end of the year with track and field competition. A field trip to see the Great Lakes Loons Baseball team will also be offered to 6th grade Physical Education students.

2024 - 2025 Curriculum Guide

6th Grade

Advisory (Year)

This course is designed for all students to acquire better study habits, organizational skills, and exposure to different methods of learning. Students are given time to read, complete assignments, study for tests, and become more organized. Class is composed of time for reading, study time, current events through a student news program, teacher created lessons, and possible Reading or Math intervention for selected students. The goal of this class is for all students to take charge of their learning and preparation for success.

Virtual School Advisory (Year)

This course is designed for all students to acquire better study habits, organizational skills, and exposure to different methods of learning. Students are given time to read, complete assignments, study for tests, and become more organized. Class is composed of time for reading, study time, and teacher created lessons. The goal of this class is for all students to take charge of their learning and preparation for success.

Exploratory or Band

Band (Year) (for tested students)

Students will learn beginning skills on their individual instrument in a small sectional. Instrument groupings include: Brass, Flute, Percussion, Trumpet, and Woodwinds. Concepts stressed include tone production, music-reading skills, ear training, breath support, and technique. There will be a minimum of two required performances—the *Band-O-Rama*, and a combined *Spring Concert* for the whole sixth grade band.

Choir (Semester)

Students will continue to develop musical skills learned in elementary schools. They will be exploring new concepts through recorders, guitars, and singing.

General Music 6/7 (Semester)

In this class, students will get to explore a variety of music topics, such as music history, jazz, rock and roll, rap, musical theater, songwriting, instruments and music technology. Students will have the opportunity to practice, perform, create, analyze, make connections, and reflect throughout the semester.

Tech 6 (Semester)

Students will learn the basics of working collaboratively online to complete project-based assignments. Using the Google Cloud environment, students will learn to create, collaborate, save and share documents with students and instructor. Projects may include a Google slide presentation, stop-motion animation using Google slides and Stykz, a 3D CAD design and print using TinkerCad or Fusion360, programming a game using Scratch, and completing Code.org's: Computer Science Express Course.

2024 - 2025 Curriculum Guide

6th Grade

Health (Semester)

This course will follow the Michigan Model curriculum. Content will include health topics such as, but not limited to; Social Health, Emotional Health, Mental Health, Nutrition, Physical Activity, Substance Abuse, Personal Health & Wellness, and Online Safety. Skills will be developed through demonstration and guided practice, resulting in the development of positive lifestyle behaviors for students and families.

CRAMER JUNIOR HIGH