



KSTM 2020-2021 6th Grade Courses



Math 6 (040041 / 040042)

This course covers the 6th grade mathematics content standards. Students will work with integers, fractions, decimals and percent's, study metric and standard systems of measurement, apply properties of geometry, use data analysis, and solve problems involving multiple-step equations.

This course meets for a full block every day all year.

Advanced Math 6 (045041/045042)

This course will extend the learning opportunities for students who are prepared for the rigorous and challenging curriculum extension through the development of the number system carried on in the earlier elementary grades. Content includes work on the fundamental operations and using these operations with the various subsets of the real number system such as whole numbers, fractions, and decimals. This course also addresses unit conversions within a system of measurement, geometry, data analysis, two-stepequations and problem solving. All math classes at the sixth-grade level will integrate electronic media and communication skills.

This course meets for a full block every day. 6th graders will be placed in Advanced Math 6 based on standardized test scores, Math performance, and teacher recommendation.

English Language Arts Grade 6 (010061 / 010062)

This course supports student mastery of sixth grade writing standards and focuses on developing and applying students' knowledge in language and composition. Students will develop skills in writing, speaking, listening, and multiple literacies as appropriate to this grade level.

This course meets for a full block every other day all year.

Science 6 (060091 / 060092)

This course continues the standards of scientific inquiry, as well as the integration of unifying concepts and processes in science experiences. In this course, the emphasis will be placed on Earth structures and processes, Earth's history, energy, structure and function of living systems, flow of matter and energy in ecosystems, and biodiversity. Students will be taught in a fully equipped science lab. This course will integrate electronic media and communication skills in its content.

This course meets for a full block every other day all year.

Social Studies 6 (035021 / 035022)

This course examines the ancient world by studying Western Europe, Egypt, Sub-Saharan Africa, and Latin America. Special attention is given to geography, history, economics, culture and the government in these regions.

This course meets for a full block every other day all year.

Physical Education 6 (070141 / 070142)

This course is designed to include a wide variety of sporting activities and teach the qualities of sportsmanship, competition, and fitness. It includes learning the rules and regulations for the major sports of volleyball, wrestling, basketball, soccer, and track and field events. Students also participate in a variety of leisure and lifetime activities including badminton, aerobics and more. Students are not required to dress out but should have tennis shoes on for PE day. ***This course meets for a half block every other day for the whole year.***

Computer Applications II (130011)

After taking Computer Apps I, this middle-level course is designed to emphasize digital citizenship, basic computer operations, word processing applications, spreadsheet applications, presentation applications, and technology communication tools. Students will master keyboarding skills; compose, create, edit, and format word processing documents; organize and manipulate data in a spreadsheet; and prepare a formal presentation. ***This class meets for a whole block every other day for one semester.***

Pick two out of the three:

1-Health Careers Exploration 1 (074309)

Introduction to Health is an exploratory course that will cover various topics related to understanding health. Student will learn about behaviors that will keep their body healthy and free from disease. They will study skeletal and muscle groups and how they interact using 3-D technology. They will also use computers to study various body systems and functions.

This course meets for a full block every other day for a quarter.

2-Intro to Animal Habitats (060019)

Students will develop an understanding of animals and their habitats through active research and will observe and collect data to communicate their understanding. They will investigate life cycles of animals within the animal's habitat and the interdependence of animals with their environment.

This course meets for a full block every other day for a quarter.

3-Exploring Robotics and Space (170059)

Space (Earth)

Students will develop an understanding of Earth from an astronaut/aerospace engineer perspective. Students will investigate Earth's surface and atmospheric features from a space perspective. Introduction to a space race timeline and identifying the science experiments that are conducted in microgravity.

Robotics- King Science Robotics

Students will code, design and build robots to gather scientific data. Introduction to robotic designs and functions. Students will investigate various strategies to mobilize robotics and assign various task.

This course meets for a full block every other day for a quarter.

CHOOSE 1 OF THE FOLLOWING PERFORMING ARTS OPTIONS

Band 6 (195041 / 195042)

This course is a band ensemble for sixth grade students who are continuing instruction on a brass, woodwind, or percussion instrument. Basic music concepts will be advanced as the student learns to read music and develop skill in playing their instrument of choice. A method book is used as the lesson guide. Performances will be required. Prerequisite: one-year previous instruction.

This course meets for a half block every other day for the whole year.

Strings 6 (195021 / 195022)

This course is the string ensemble for sixth grade students who are continuing instruction on violin, viola, cello, or string bass. Basic music concepts will be advanced as the student learns to read music and develop skill in playing their instrument of choice. A method book is used as the lesson guide. Performances will be required. Prerequisite: two years previous instruction

This course meets for a half block every other day for the whole year.

General Vocal Music 6 (195061)

In this course sixth grade students will explore music as part of everyday life, including studying various styles, understanding musical elements, and experimenting with aspects of performance.

This course meets for a half block every other day for a Semester.

Art 6 (115021)

This course examines artists' world views. Enduring understandings and ideas include: Art reveals aesthetic theories; Artists create art from multiple perspectives of time, place and culture revealing aesthetic theories; Artistic forms follow function throughout time; Critical processes identify aesthetic theories; and Art reflects the values and beliefs of a civilization/society. Students will play the role of artist, philosopher, historian, and archeologist to explore world art throughout time.

This course meets for a half block every other day for a Semester.

Students will be placed in the following enrichment class options based upon test scores, 5th grade course grades, and teacher recommendations.

Reading Skills 6A (011241 / 011242)

This course is designed for readers who have a foundation in decoding skills, but experience difficulty comprehending grade-level material. The curriculum focuses on strengthening fluency, comprehension, and vocabulary skills. Placement is based on standardized test scores and teacher recommendation.

Reading Skills 6B (011271 / 011272)

Students in this course will improve reading proficiency with explicit, direct instruction in fluency, vocabulary, and comprehension. Strategies for phonemic awareness and phonics will be taught as needed. Students will read leveled, high interest literature for both academic and recreational purposes. Placement is based on standardized test scores and teacher recommendation.

6th Grade Example Schedule

	A DAY	B DAY
BLOCK 1/2	MATH	MATH
ADVISORY	ADVISORY	ADVISORY
BLOCK 3/4	LANGUAGE ARTS	LANGUAGE ARTS
BLOCK 5	<p>CHOOSE ONE MUSIC CHOICE</p> <ol style="list-style-type: none"> 1. BAND 2. STRINGS 3. VOCAL MUSIC/ART(SEM EACH) 	<p>COMP APPS II (SEM)</p> <p>ELECTIVE ROTATION(Pick two)</p> <ol style="list-style-type: none"> 1. HEALTH CAREERS EXPLORATION 1 2. ROBOTICS/SPACE 3. INTRO TO ANIMAL HABITATS
BLOCK 6	PHYSICAL EDUCATION	
BLOCK 7/8	SCIENCE	SS