



Math

Place value for whole numbers and decimals

- Understanding place value: Whole numbers and decimals through thousandths
- Multiplying and dividing by powers of ten
- Reading and writing decimals
- Comparing and rounding decimals

Operations with whole numbers and decimals

- All operations with whole numbers
- All operations with decimals

Operations and Algebraic Thinking

- Order of operations
- Numerical expressions
- Numerical patterns, ordered pairs and coordinate plane

Numbers and operations – Fractions

- Understanding fractions (what is a fraction, equivalent fractions, mixed/improper)
- All operations with fractions

Geometry

- Understanding coordinate graphing
- Properties of 2-dimensional shapes
- Area and perimeter

Measurement and Data

- Measurement conversions
- Recognizing volume and unit cubes
- Calculating volume

Data Analysis begin unit

- Dot plot tables, stem leaf tables and bar graphs
- Scatter plots

Financial Literacy

- Types of taxes/income
- Financial and budget records
- Savings

English and Language Arts

Students in this course level will be mastering the Texas Essential Knowledge and Skills Standards for grade five and will be given opportunities to extend their practice and demonstration of skills into standards beyond the expected grade five standards. Grammar instruction is augmented by *No Red Ink*, a self-paced and adaptive software program that provides practice and documents mastery in an individualized setting. Grammar skills are then applied in student compositions in a variety of formats including personal narrative, informative, persuasive, explanatory, and compare/contrast. Students will apply keyboarding skills learned in fourth grade by completing all English and reading assignments using Microsoft Office tools. Spelling lists for the year focus on high-frequency words and academic words at the 5th -6th-grade levels. Classic literature works in all genres are used for reading, and these works are selected for a Lexile rating recommended for Grades 5 – 7 college preparatory students.

General Science

- Introduction to science and scientists
- The engineering process
- Matter
- Mixtures and solutions
- Force and motion
- Fossils and natural resources
- Water cycle and weather
- Sun, Earth, and Moon – interactions and comparisons
- Biomes and ecosystems (food webs and photosynthesis)
- Plant and animal adaptations – research -
- Intro to body systems – project