

Grade 5

Course Descriptions



Math

Description:

The Math 5 curriculum begins with a review of basic concepts taught through 4th grade. Students explore increased complexity in multiplication and division. Students reinforce their knowledge of multiplication tables allowing them to calculate answers using mental math concepts. More complex measurement concepts are taught using both metric and customary measures. Students practice graphing and performing data analysis using the graphed data. They begin to understand patterns and are introduced to simple algebraic representations.

Goals:

Read, write and compute with non-negative rational numbers up to 999,999.
Recognize and use metric and customary measurement.
Understand and use properties and relationship of plane figures.
Understand and use graphs and data analysis.
Demonstrate an understanding of patterns, and relationships and elementary algebraic representations.



Reading

Description:

The 5th grade reading curriculum encompasses a comprehensive view of spelling, comprehension and writing. Students improve handwriting skills and apply prefixes and suffixes to established vocabulary while enhancing their suite of word usage. They strengthen their comprehension skills by predicting and evaluating outcomes and making judgments. Students enhance their vocabulary through the study of synonyms, antonyms, acronyms and adverbs. Students learn how to determine theme, mood, plot and symbols. They also strengthen study skills and practice both oral and silent reading.

Goals:

Recognize prefixes and suffixes and how to apply them.

Apply techniques to improve comprehension including predictive reasoning.

Recognize types of literature and literary components.

Read both orally and silently.

Comprehend and apply new vocabulary.



Language Arts

Description:

The 5th grade language arts curriculum continues to strengthen concepts taught in the 4th grade language arts course. These courses are complementary in that some concepts are repeated while new concepts add depth and complexity. Students advance their knowledge in complex sentence structures as they experience various types of study and reference literature. Students develop techniques to express opinions, share knowledge, and use their imagination.

Goals:

- Communicate effectively
- Apply punctuation and capitalization rules
- Use various types of reference and study materials including the library, dictionary, encyclopedias, atlas, almanac, periodicals and electronic references
- Develop and improve writing skills



Science

Description:

Students experience a balanced blend of earth science, life science and physical science. The earth science curriculum teaches about the layers of the earth, minerals, rocks, and fossils. Students also explore the characteristics of weather. As students continue through this class, they explore life science from dinosaurs to biomes. The human body is also studied including the respiratory system and circulatory system. During the physical science lessons, students learn concepts related to heat, sound, and light, as well as the composition of matter.

Goals:

- Conduct investigations and build an understanding of the primary area of study.
- Develop an increasing level of understanding of creation and its complexity.
- Understand how various areas of the body function.
- Describe how plants and animals use the environment.

**Social Studies****Description:**

The social studies curriculum for 5th grade is a rich blend of history, economics, geography and culture. Students experience the changes and significant events of the 1800s through the mid 1900s. They discuss changes in culture, farming, economics, and international events. The impact of various types of

world leaders and the wars that affected their countries are important topics during this time period. Students learn how international events affect the United States and how the lifestyle of the U.S. citizen changed over this time.

Goals:

- Describe how an individual's idea can grow, strengthen, and cause change
- Describe the economic pattern of the United States
- Recognize various world leaders and their role in major international events



Spelling

Description:

Students strengthen spelling skills and increase their understanding and use of homonyms and use of suffixes. Skills are further developed through dictation in conjunction with advancing their use of the dictionary. Dictionary skills include alphabetizing to the 4th and 5th letter, applying pronunciation keys and comprehending the various parts of speech. Students also write freely in journals practicing the use of new spelling words and concepts. They practice new forms of writing and apply various techniques to express their own ideas and experiences.

Goals:

- Apply homonyms correctly.
- Recognize suffixes and how to apply them.
- Apply words correctly in context.
- Express ideas correctly and completely through various forms of writing.

**Student Leaders Bible Class****Description:**

The Student Leaders curriculum for grades 3 through 5 covers the entire Bible. Students develop an understanding of the history and foundation of God's Word given through Abraham, Isaac, Jacob, and Moses. Students are introduced to Hebraic tradition as they see the connection of their traditions to God's instructions. They better understand the instructions given by Jesus and His disciples. Thematic studies are done including sin and grace, obedience, holiness, and the body as God's temple. Students gain understanding through questions and fun filled activities, puzzles and games. Students learn how to journal.

Goals:

- Understand the structure of the Bible.
- Demonstrate how to find scriptures.
- Identify biblical characters and describe how they obeyed God.
- Apply Bible study tools.
- Recognize biblical choices.