

# MATH TOPICS

continued

## Operations and Algebraic Thinking

- Function Tables
- Interpret, Evaluate, and Write Numerical Expressions
- Identify, Generate, Explain, and Write Patterns
- Additive, Associative, and Commutative Properties of Addition and Multiplication
- Distributive, Identity, and Zero Properties

## Measurement, Data, and Geometry

- Compare and Convert Units of Time, Length, Volume/Capacity, and Mass/Weight
- Elapsed Units
- Compare, Draw, Measure Data on a Line Plot
- Volume: Attributes, Compare, Estimate, and Measure
- Coordinate Plane, Ordered Pairs, Graphing
- Angles and Polygons
- Congruency

*All areas use problem-solving activities to connect Mathematics to a real-world context.*

*The topics listed are topics that may be covered during the course of the school year.*

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**BERKELEY HEIGHTS  
PUBLIC SCHOOLS  
2019 - 2020**

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**GRADE 5  
CURRICULUM TOPICS**

# LANGUAGE ARTS LITERACY TOPICS

## Writing Units of Study

- The Writing Community
- Personal Narrative
- Fiction
- Expository Nonfiction (Research)
- Opinion Writing
- Poetry

## Test-Taking Skills

## Grammar

- Sentence Parts
- Nouns
- Verbs
- Pronouns
- Adjectives
- Adverbs
- Prepositions
- Capitalization
- Punctuation
- Quotation Marks
- Colon

## Reading Skills/Units of Study

- Pre-reading
- Post-reading
- Nonfiction
- Historical Fiction
- Fantasy
- Story Elements
- Reader's Response
- Literal, Interpretive, and Evaluative Comprehensions
- Critical Thinking

# LANGUAGE ARTS LITERACY TOPICS

## continued

## Spelling

*Each student will be assessed to determine his/her skill level and then placed in one of the four stages of spelling.*

- Letter Name
- Within Word Pattern
- Syllable Juncture
- Derivational Constancy

## Handwriting

- Maintain formation of cursive letters

# SCIENCE TOPICS

- Scientific Process
- Science and Society
- Mathematical Applications
- Nature and Process of Technology
- Properties of Matter
- Changes to Matter
- Energy and Matter in Ecosystems
- Water on the Earth
- Earth Systems
- Interactions within the Earth, Moon, and Sun Systems

# SOCIAL STUDIES TOPICS

- Map Skills
- Explorations and Encounters
- Our Colonial Heritage
- The American Revolution
- The New Nation
- Expansion and Western Settlement
- Holocaust Study

# MATH TOPICS

## Number and Operations in Base Ten

- Read, Compare, Round, Estimate, and Write Decimals
- Add and Subtract Decimals and Multi-Digit Whole Numbers and Decimals
- Multiply and Divide Decimals
- Exponents and Power of Ten
- Place Value from Thousands to Billions

## Number and Operations - Fractions

- Compare Fractions, Equivalent Fractions
- Estimate Fractions
- Add, Subtract, Multiply, and Divide Fractions and Mixed Numbers