

- Compare and contrast living conditions of enslaved and free African Americans in the colonies

### **Political, Intellectual, and Economic**

#### **Growth of the Colonies:**

- Describe the thirteen colonies, and how regional differences in climate, farming, populations and source of labor shaped their economics
- Explain the causes of the establishment of slavery in North America
- Identify the founders and the reasons for established educational institutions
- Explain the development of colonial government and how these developments contributed to the Revolution
- Describe the French and Indian War

#### **Revolution and the Formation of a Federal Government under the Constitution:**

- Explain the reasons for the French and Indian war
- On a map of Boston in 1770, locate places of importance before and during the revolution
- Explain the development of colonial government
- Explain the main argument of the Declaration of Independence
- Describe the impact of events as the Revolutionary war continued
- Explain that many Americans remained loyal to the British
- Compare and contrast the impact of important leaders
- Explain the Articles of Confederation
- Analyze causes of Shays' rebellion

#### **Principles of American Constitutional Government:**

- Read and analyze the Preamble and sections of the Constitution

- Explain how power was divided between the three branches of government
- Analyze issues debated by members of the constitution convention
- Explain how rights didn't expand to woman
- Understand the Bill of Rights

#### **Growth of the Republic:**

- Identify the first three US presidents
- Evaluate the importance of the Louisiana Purchase
- Describe the causes of the war of 1812
- On a map of New England identify towns and cities that were key in the development of the textile industry
- Explain 19th century conflicts between Native Peoples and governments of the US

#### **Slavery:**

- Trace state-by-state abolition of slavery in the Northern states
- Identify major leaders and battles of the civil war
- Describe the role of Abraham Lincoln and the consequences of the emancipation proclamation
- Describe other aspects of slavery such as living conditions and civil rights activists'

***The purpose of this guide is to identify the major topics, concepts, and skills that are considered essential for this grade level as defined by the Massachusetts Curriculum Frameworks***

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# CURRICULUM GUIDE GRADE 5



Updated January, 2019

## ENGLISH LANGUAGE ARTS

### Reading :

Key Ideas and Details:

- Determine theme
- Compare and contrast 2 or more characters
- Draw inferences from text

Craft and Structure:

- Determine meaning from context clues
- Understand and use similes and metaphors
- Describe a narrators point of view

Integration:

- Integrate information from multiple sources on the same topic
- Compare and contrast stories from the same genre

Foundational skills:

- Use grade level phonics and word analyses to decode unfamiliar words
- Read grade level texts (fiction and nonfiction) with purpose and understanding

### Language:

- Demonstrate grade level command of the conventions of standard English grammar
- Demonstrate an understanding of figurative language (idioms, adages, and proverbs)

### Writing:

- Write opinion pieces on topics or texts
- Write informative/ explanatory texts to examine a topic or explain a point of view
- Produce clear and coherent writing
- Conduct short research projects

### Speaking and Listening:

- Engage in a range of collaborative discussions
- Report on a topic or text ( sequence ideas, use descriptive details, speak clearly)

## MATHEMATICS

### Number and Operations in Base Ten:

- Know the relative values of digits in a place value chart
- Round, compare, and compute with numbers

including decimals to the thousandths

- Multiply by a three digit number
- Divide numbers by a two-digit divisor.

### Number and Operations – Fractions:

- Compare and find equivalent fractions
- Add and subtraction fractions and mixed numbers with unlike denominators
- Multiply and divide fractions and use in the solution of problems
- Write, model, and compare fractions as decimals in tenths and hundredths

### Operations and Algebraic Thinking:

- Write and evaluate numerical expressions with parenthesis using the order of operations
- Generate and identify the relationship between two numerical patterns

### Measurement and Data:

- Apply volume to the solution of problems with rectangular prisms
- Convert measurement units
- Construct a line plot with fractional units and solve problems

### Geometry:

- Graph points on the coordinate plane and use in the solution of problems
- Classify shapes based on their properties

## SCIENCE AND TECHNOLOGY

### Earth and Space Science:

- Observe and model Sun, Moon, Stars and the Earth
  - Day/Night Cycles
  - Patterns of shadow length
  - Changes in position of sun, moon and other stars at different times of day, month, year

### Life Science:

- Ask testable questions about plants use of air, water and energy from sunlight to produce sugars for growth and reproduction
- Develop models to show movement of matter among producers, consumers, decomposers and the air, water and soil

- Compare at least two designs for a composter to determine best decomposition of materials

### Physical Science:

- Use models of matter to explain phase changes between gas and liquid; and between liquid and solid
- Measure and graph weights of substances before and after a reaction or phase change to show that total weight (mass) is conserved
- Make observations to describe characteristic properties including color, hardness, reflectivity, electrical conductivity, thermal conductivity, response to magnetic forces and solubility
- Conduct an experiment to determine whether mixing two substances creates a chemical reaction or a mixture
- Use evidence to support an argument that gravitation is directed toward the Earth's center
- Use a model to show that the food animals digest:
  - Contains energy from the sun
  - Provides energy and nutrients for body repair, growth, motion, body warmth and reproduction

### Technology:

- Use informational text to provide examples of improvements to existing technologies and the development of new technologies; recognize that technology is the modification of the natural world to fulfill human wants or needs
- Use sketches or drawings to show how each part of a product or device relates to other parts of the product or device

## SOCIAL STUDIES

### History and Geography:

- Explain early relationships between English settlers to Native Peoples
- Compare reasons colonies were established
- Analyze why English settlers had the most influence on the language
- Locate the first 13 colonies
- Describe the origins of slavery, including triangular trade