

Science cont.

- * Design and conduct an experiment to show the effects of friction on the relative temperature and speed of objects that rub against each other

Technology/Engineering

- * Analyze data from tests of two objects designed to solve the same design problem to compare the strengths and weaknesses of how each object performs

Social Studies

History

- * Describe and compare different ways people have achieved great distinction (e.g. scientific, professional, political, religious, commercial, military, athletic, or artistic)

Geography

- * On a map of the world, locate all of the continents
- * Locate the current boundaries of the United States, Canada, and Mexico
- * Locate the oceans, major rivers and mountain ranges of the world:
- * Explain the difference between a continent and a country and give examples of each
- * On a map of the world, locate the continent, regions, or countries from which students and their families came. With the help of family members and the school librarian, describe traditional food, customs, sports and games, and music of the place they came from

Civics & Government

- * Give examples of fictional characters or real people in the school or community who were good leaders and good citizens, and explain the qualities that made them admirable (e.g., honesty, dependability, modesty, trustworthiness, courage)

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The Bourne Public Schools Curriculum Guides highlight the targeted skills for each grade level, Kindergarten through grade 4. Targeted skills are from the most recent Massachusetts Curriculum Frameworks in the following areas:

- * Massachusetts Curriculum Frameworks for English Language Arts & Literacy, March 2011
 - * Massachusetts Curriculum Frameworks for Mathematics, March 2011
 - * Massachusetts Science and Technology/Engineering Standards Draft, December 2013
 - * Massachusetts Curriculum Frameworks for History and Social Science, August 2003
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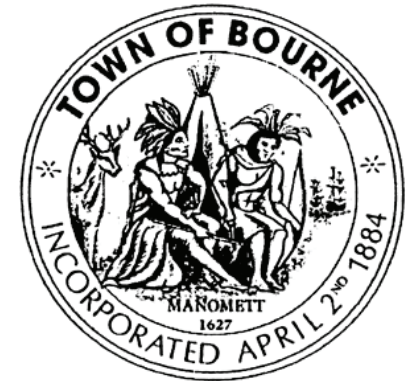
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BOURNE PUBLIC SCHOOLS

Curriculum Guide

Grade 2

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Literacy

Reading Literature and Informational Texts

- * Ask and answer questions to demonstrate understanding of key details in text
- * Identify main idea and key details in both fiction and nonfiction texts
- * Describe character development and point of view in a story
- * Describe how text features and wording supply meaning to a text
- * Compare and contrast two texts
- * Identify the author's purpose for writing
- * Use evidence from the text to show understanding of literature in a written response

Foundational Skills

- * Know and apply grade-level phonics and word analysis skills in decoding words
- * Read with sufficient accuracy and fluency to support comprehension of grade level texts

Writing

- * Compose a complete paragraph in the following genres: opinion, informative/explanatory, and narrative
- * Write stories or poems with dialogue
- * With guidance and support from adults and peers, focus on a topic and strengthen writing as needed by revising and editing
- * Use a variety of digital tools to produce and publish writing
- * Participate in shared research and writing projects

Speaking and Listening

- * Participate in collaborative conversations about grade 2 topics and texts with peers and adults in small and larger groups
- * Ask and answer questions about what a speaker says in order to clarify comprehension, or gather information

- * Recount or describe key ideas or details from a text read aloud or information presented orally or through other media
- * Tell a story or recount an experience with appropriate facts and relevant, descriptive details, speaking audibly in coherent sentences
- * Create audio recordings of stories or poems

Language

- * Correctly use standard English grammar conventions when writing and speaking
- * Demonstrate an understanding of punctuation, capitalization, and spelling in written work
- * Learn assigned spelling words
- * Use strategies to determine the meaning of words in a text
- * Print uppercase letters, lowercase letters, and numbers legibly

Math

Operations and Algebraic Thinking

- * Represent and solve problems involving addition and subtraction
- * Add and subtract within 20
- * Work with equal groups of objects to gain foundations for multiplication

Number and Operations in Base Ten

- * Understand place value
- * Use place value understandings and properties of operations to add and subtract

Measurement and Data

- * Measure and estimate lengths in standard units
- * Relate addition and subtraction to length
- * Tell time to the nearest five minutes
- * Solve word problems involving money
- * Represent and interpret data

Geometry

- * Reason with shapes and their attributes
- * Partition circles and rectangles into two, three, or four equal shares, describe the shares using the words halves, thirds, half of a third, etc.

Science

Earth and Space Sciences

- * Compare the effectiveness of multiple solutions designed to slow or prevent wind or water from changing the shape of the land
- * Map the shape and types of landforms and bodies of water in an area
- * Use examples to explain that water is found in the ocean, rivers, lakes or streams and may be solid or liquid
- * Observe how blowing wind and flowing water can move Earth materials from one place to another and change the shape of a landform

Life Science

- * Develop and use models to compare how plants and animals depend on their surroundings and other living things to meet their needs in the places they live
- * Use texts and media to compare different kinds of living things in an area as well as the differences in the kinds of living things in different types of areas

Physical Science

- * Describe and classify different kinds of materials by observable properties of color, strength, flexibility, hardness, texture and absorbency
- * Test different materials and analyze the data obtained to determine which materials have the properties that are best suited for the intended purpose
- * Construct an argument with evidence that some changes to materials caused by heating or cooling can be reversed and some cannot