

OPEN WIDE AND TREK INSIDE

Massachusetts Science Learning Standards: Grades PreK — 2

| Lesson | Standard | Description |
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| 1, 4, 5 | Life 1 | Recognize that animals (including humans) and plants are living things that grow, reproduce, and need food, air, and water. |
| 2, 4 | Life 3 | Recognize that plants and animals have life cycles, and that life cycles vary for different living things. |
| 4, 5 | Life 8 | Identify the ways in which an organism's habitat provides for its basic needs (plants require air, water, nutrients, and light; animals require food, water, air, and shelter). |
| 2 | Physical 1 | Sort objects by observable properties such as size, shape, color, weight, and texture. |
| 1, 2, 3, 4, 5 | Inquiry 1 | Ask questions about objects, organisms, and events in the environment. |
| 2, 3, 6 | Inquiry 2 | Tell about <i>why and what would happen if?</i> |
| 2, 3, 5, 6 | Inquiry 3 | Make predictions based on observed patterns. |
| 3 | Inquiry 4 | Name and use simple equipment and tools (e.g., rulers, meter sticks, thermometers, hand lenses, and balances) to gather data and extend the senses. |
| 1, 2, 3 | Inquiry 5 | Record observations and data with pictures, numbers, or written statements. |
| 1, 2, 3, 5 | Inquiry 6 | Discuss observations with others. |

Massachusetts Mathematics Learning Standards: Grades 1 & 2

| Lesson | Standard | Description |
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| 2 | 2.N.5 | Identify odd and even numbers and determine whether a set of objects has an odd or even number of elements. |
| 2 | 2.N.9 | Know addition facts (addends to ten) and related subtraction facts, and use them to solve problems. |
| 1, 2, 5 | K.G.4 | Identify positions of objects in space, and use appropriate language (e.g., beside, inside, next to, close to, above, below, apart) to describe and compare their relative positions. |
| 3 | 2.M.4 | Measure and compare common objects using metric and English units of length measurement, e.g., centimeter, inch. |
| 3 | 2.M.5 | Select and correctly use the appropriate measurement tools, e.g., ruler, balance scale, thermometer. |
| 3 | 2.M.6 | Make and use estimates of measurement, including time, volume, weight, and area. |
| 1, 2, 3 | 2.D.1 | Use interviews, surveys, and observations to gather data about themselves and their surroundings. |
| 1, 2, 3 | 2.D.2 | Organize, classify, represent, and interpret data using tallies, charts, tables, bar graphs, pictographs, and Venn diagrams; interpret the representations. |

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| 1, 2, 3 | 2.D.3 | Formulate inferences (draw conclusions) and make educated guesses (conjectures) about a situation based on information gained from data. |
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| 3 | 2.D.4 | Decide which outcomes of experiments are most likely. |
| Massachusetts English Language Arts Learning Standards: Grades PreK — 4 | | |
| Lesson | Standard | Description |
| All lessons | 1.1 | Follow agreed-upon rules for discussion (<i>raising one's hand, waiting one's turn, speaking one at a time</i>). |
| 2, 3, 6 | 3.1 | Give oral presentations about personal experiences or interests, using clear enunciation and adequate volume. |
| 2, 3, 6 | 3.2 | Maintain focus on the topic. |
| 1, 2, 3, 5, 6 | 4.2 | Describe common objects and events in general and specific language. |
| 1, 2, 5 | 5.1 | Use language to express spatial and temporal relationships (<i>up, down, before, after</i>). |
| 1, 3, 6 | 7.9 | Read grade-appropriate imaginative/literary and informational/expository text with comprehension. |
| 1 | 8.1 | Make predictions using prior knowledge, pictures, and text. |
| 1 | 8.2 | Retell a main event from a story heard or read. |
| 1, 6 | 8.3 | Ask questions about the important characters, settings, and events. |
| 4 | 8.4 | Make predictions about the content of the text using prior knowledge and text features (<i>title, captions, illustrations</i>). |
| 4 | 8.5 | Retell important facts from a text heard or read. |
| 4 | 8.10 | Restate main ideas. |
| 1, 4 | 13.5 | Restate main ideas and important facts from a text heard or read. |
| 3, 4, 6 | 13.10 | Distinguish cause from effect. |
| 1, 4, 6 | 13.11 | Distinguish fact from opinion or fiction. |
| 1, 4, 6 | 13.12 | Summarize main ideas and supporting details. |
| All lessons | 19.7 | Write or dictate letters, directions, or short accounts of personal experiences that follow a logical order. |
| 3 | 19.8 | Write or dictate research questions. |
| All lessons | 22.2 | Use correct standard English mechanics such as: printing upper- and lower-case letters legibly and using them to make words; separating words with spaces; understanding and applying rules for capitalization at the beginning of a sentence, for names and places (<i>"Janet," "I," "George Washington," "Springfield"</i>), and capitalization and commas in dates (<i>"February 24, 2001"</i>); using correct spelling of sight and/or spelling words; and using appropriate end marks such as periods and question marks. |
| All lessons | 23.1 | Arrange events in order when writing or dictating. |
| All lessons | 23.2 | Arrange ideas in a way that makes sense. |
| 2, 3, 4, 5 | 24.1 | Generate questions and gather information from several sources in a classroom, school, or public library. |

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| Massachusetts Comprehensive Health Learning Standards: Grade 5 | | |
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| Lesson | Standard | Description |
| 2, 4, 5 | 1.5 | List the stages in the basic growth process of living organisms (fertilization, growth, reproduction, and death). |
| 5 | 3.2 | Use the USDA Food Guide Pyramid and its three major concepts of balance, variety, and moderation to plan healthy meals and snacks. |
| All lessons | 7.2 | Apply both verbal and non-verbal communication skills to develop positive relationships and improve the social environment of the school. |
| 2, 3, 6 | 8.2 | Identify the common symptoms of illness and recognize that being responsible for individual health means alerting caretakers to any symptoms of illness. |
| 1, 2, 3, 4, 5 | 8.3 | Apply skills to prevent and control the spread of disease, including those that help promote cleanliness (such as correct handwashing, regular bathing, and washing clothes). |
| 2, 3, 4, 5, 6 | 8.4 | Identify tooth functions and causes of tooth health and decay, and apply proper dental health skills (such as choosing healthy tooth snacks, brushing, flossing). |