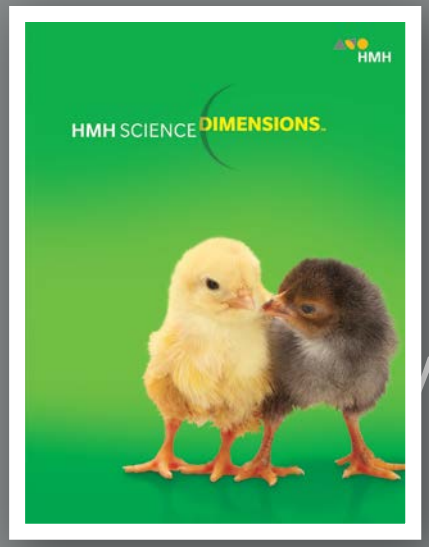
Houghton Mifflin Harcourt

Correlation to the Florida Course Description for Science – Grade One Course Code 5020020



HMH Science Dimensions Grade 1
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STANDARDS ALIGNMENT
COURSE STANDARDS/BENCHMARKS (Form IM7)

BID ID:	**3305**
SUBMISSION TITLE:	**HMH Science Dimensions Grade 1 ©2018**
GRADE LEVEL:	**1**
COURSE TITLE:	**Science – Grade One**
COURSE CODE:	**5020020**
ISBN:	**9781328990310'**
PUBLISHER:	**Houghton Mifflin Harcourt**
PUBLISHER ID:	**04145603001**

BENCHMARK CODE	BENCHMARK	LESSONS WHERE STANDARD/BENCHMARK IS DIRECTLY ADDRESSED IN MAJOR TOOL (MOST IN-DEPTH COVERAGE LISTED FIRST) (Include the student edition and teacher edition with the page numbers of lesson, a link to lesson, or other identifier for easy lookup by reviewers.)
SC.1.E.5.1	Observe and discuss that there are more stars in the sky than anyone can easily count and that they are not scattered evenly in the sky.	**SE:** 289 **TE:** 287, 289 **ScienceSaurus (Yellow, Levels K-1):** 73, 75 **Science & Engineering Leveled Readers:** *How Does the Sky Seem to Change?* (OL/ES); Teacher Guide: 73-83
SC.1.E.5.2	Explore the Law of Gravity by demonstrating that Earth's gravity pulls any object on or near Earth toward it even though nothing is touching the object.	**ScienceSaurus (Yellow, Levels K-1):** 116

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SC.1.E.5.3	Investigate how magnifiers make things appear bigger and help people see things they could not see without them.	**SE:** 241 **TE:** 241-242 **ScienceSaurus (Yellow, Levels K-1):** 8 **Science & Engineering Leveled Readers:** *How Does the Sky Seem to Change?* (OL/ES); **Teacher Guide:** 73-83 *A Closer Look at Telescopes* (EN); **Teacher Guide:** 73-83
SC.1.E.5.4	Identify the beneficial and harmful properties of the Sun.	**SE:** 113, 144-146, 199-200 **TE:** 113, 144-146, 199-200, 89, 104 **ScienceSaurus (Yellow, Levels K-1):** 21-22, 74, 108
SC.1.E.6.1	Recognize that water, rocks, soil, and living organisms are found on Earth's surface.	**ScienceSaurus (Yellow, Levels K-1):** 54-55, 62-63, 84-87 **Science & Engineering Leveled Readers:** *How Do We Use and Care for Natural Resources?* (OL/ES); **Teacher Guide:** 49-59 *Soil For Our Garden* (EN); **Teacher Guide:** 49-59
SC.1.E.6.2	Describe the need for water and how to be safe around water.	**SE:** 184, 142, 144 **TE:** 184, 142, 144 **ScienceSaurus (Yellow, Levels K-1):** 21, 30, 54, 86-87
SC.1.E.6.3	Recognize that some things in the world around us happen fast and some happen slowly.	**ScienceSaurus (Yellow, Levels K-1):** 60-61

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SC.1.L.14.1	Make observations of living things and their environment using the five senses.	**SE:** 199-200, 229-230, 241-242 **TE:** 199-200, 229-230, 241-242 **ScienceSaurus (Yellow, Levels K-1):** 2-3 **Science & Engineering Leveled Readers:** *How Do You Investigate?* (OL/ES); **Teacher Guide:** 1-11 *What Can We Learn About Animals?* (OL/ES); **Teacher Guide:** 97-107 *What Is a Plant?* (OL/ES); **Teacher Guide:** 109-119
SC.1.L.14.2	Identify the major parts of plants, including stem, roots, leaves, and flowers.	**SE:** 142-145 **TE:** 142-145 **ScienceSaurus (Yellow, Levels K-1):** 23-26 **Science & Engineering Leveled Readers:** *What Is a Plant?* (OL/ES); **Teacher Guide:** 109-119 *Weird and Wacky Plants* (EN); **Teacher Guide:** 109-119
SC.1.L.14.3	Differentiate between living and nonliving things.	**TE:** 196B **ScienceSaurus (Yellow, Levels K-1):** 18-19 **Science & Engineering Leveled Readers:** *Where Do Plants and Animals Live?* (OL/ES); **Teacher Guide:** 85-95 *A Trip to the Aquarium* (EN); **Teacher Guide:** 85-95

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SC.1.L.16.1	Make observations that plants and animals closely resemble their parents, but variations exist among individuals within a population.	**SE:** 221-227, 232, 238-247 **TE:** 221-227, 232, 238-247 **ScienceSaurus (Yellow, Levels K-1):** 28, 40-45 **Science & Engineering Leveled Readers:** *What Can We Learn About Animals?* (OL/ES); **Teacher Guide:** 97-107 *What Is a Plant?* (OL/ES); **Teacher Guide:** 109-119
SC.1.L.17.1	Through observation, recognize that all plants and animals, including humans, need the basic necessities of air, water, food, and space.	**SE:** 178-185, 142 **TE:** 178-185, 142 **ScienceSaurus (Yellow, Levels K-1):** 18, 21-22, 30-31 **Science & Engineering Leveled Readers:** *Where Do Plants and Animals Live?* (OL/ES); **Teacher Guide:** 85-95 *A Trip to the Aquarium* (EN); **Teacher Guide:** 85-95
SC.1.N.1.1	Raise questions about the natural world, investigate them in teams through free exploration, and generate appropriate explanations based on those explorations.	**SE:** 101-102, 121-122, 199-200, 229-230, 241-242, 263-264, 283-284, 305-306 **TE:** 101-102, 121-122, 199-200, 229-230, 241-242, 263-264, 283-284, 305-306 **Science & Engineering Leveled Readers:** *How Can We Observe and Record the Weather?* (OL/ES); **Teacher Guide:** 61-71 *What Is a Plant?* (OL/ES); **Teacher Guide:** 109-119

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SC.1.N.1.2	Using the five senses as tools, make careful observations, describe objects in terms of number, shape, texture, size, weight, color, and motion, and compare their observations with others.	**SE:** 11-12, 27-30, 51-52, 63-64, 87-88, 101-102, 121-122, 199-200, 229-230, 241-242, 263-264, 283-284, 305-306 **TE:** 11-12, 27-30, 51-52, 63-64, 87-88, 101-102, 121-122, 199-200, 229-230, 241-242, 263-264, 283-284, 305-306 **ScienceSaurus (Yellow, Levels K-1):** 2-3, 7, 93-94 **Science & Engineering Leveled Readers:** *How Do You Investigate?* (OL/ES); Teacher Guide: 1-11 *What Do We Know About Matter?* (OL/ES); Teacher Guide: 25-35 *How Do We Use and Care for Natural Resources?* (OL/ES); Teacher Guide: 49-59 *Soil for Our Garden* (OL/ES); Teacher Guide: 49-59 *What Is a Plant?* (OL/ES); Teacher Guide: 109-119
SC.1.N.1.3	Keep records as appropriate - such as pictorial and written records - of investigations conducted.	**SE:** 11-12, 27-30, 51-52, 63-64, 87-88, 101-102, 121-122, 199-200, 229-230, 241-242, 263-264, 283-284, 305-306 **TE:** 11-12, 27-30, 51-52, 63-64, 87-88, 101-102, 121-122, 199-200, 229-230, 241-242, 263-264, 283-284, 305-306 **ScienceSaurus (Yellow, Levels K-1):** 6, 124-127 **Science & Engineering Leveled Readers:** *How Do You Investigate?* (OL/ES); Teacher Guide: 1-11 *Making a Car Go Faster* (EN); Teacher Guide: 1-11 *Soil for Our Garden* (EN); Teacher Guide: 49-59 *How Can We Observe and Record the Weather?* (OL/ES); Teacher Guide: 61-71
4SC.1.N.1.3	Ask "how do you know?" in appropriate situations.	**SE:** 101 **TE:** 101, 170, 310 **Science & Engineering Leveled Readers:** *A Closer Look At Telescopes* (OL/ES); **Teacher Guide:** 73-83

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SC.1.P.8.1	Sort objects by observable properties, such as size, shape, color, temperature (hot or cold), weight (heavy or light), texture, and whether objects sink or float.	**SE:** 143, 26, 227 **TE:** 143, 26, 119, 227, 278 **ScienceSaurus (Yellow, Levels K-1):** 94 **Science & Engineering Leveled Readers:** *How Do Engineers Solve Problems?* (OL/ES); Teacher Guide: 13-23 *What Do We Know About Matter?* (OL/ES); Teacher Guide: 25-35 *Where Do Plants and Animals Live?* (OL/ES); Teacher Guide: 85-95
SC.1.P.12.1	Demonstrate and describe the various ways that objects can move, such as in a straight line, zigzag, back-and-forth, round-and-round, fast, and slow.	**ScienceSaurus (Yellow, Levels K-1):** 112-113 **Science & Engineering Leveled Readers:** *What Are Forces and Energy?* (OL/ES); **Teacher Guide:** 37-47 *Soccer Moves!* (EN); **Teacher Guide:** 37-47
SC.1.P.13.1	Demonstrate that the way to change the motion of an object is by applying a push or a pull.	**ScienceSaurus (Yellow, Levels K-1):** 110-111 **Science & Engineering Leveled Readers:** *What Are Forces and Energy?* (OL/ES); **Teacher Guide:** 37-47 *Soccer Moves!* (EN); **Teacher Guide:** 37-47

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LAFS.1.RI.1.1	Ask and answer questions about key details in a text.	**SE:** 250 **TE:** 250, 262 **Science & Engineering Leveled Readers:** *How Do You Investigate?* (OL/ES); Teacher Guide: 1-11 *How Do Engineers Solve Problems?* (OL/ES); Teacher Guide: 13-23 *What Do We Know About Matter?* (OL/ES); Teacher Guide: 25-35 *What Are Forces and Energy?* (OL/ES); Teacher Guide: 37-47 *Soccer Moves!* (EN); Teacher Guide: 37-47 *How Do We Use and Care for Natural Resources?* (OL/ES); Teacher Guide: 49-59 *Soil For Our Garden* (EN); Teacher Guide: 49-59 *How Can We Observe and Record the Weather?* (OL/ES); Teacher Guide: 61-71 *How Does the Sky Seem to Change?* (OL/ES); Teacher Guide: 73-83 *A Closer Look at Telescopes* (EN); Teacher Guide: 73-83 *Where Do Plants and Animals Live?* (OL/ES); Teacher Guide: 85-95 *A Trip to the Aquarium* (EN); Teacher Guide: 85-95 *What Can We Learn About Animals?* (OL/ES); Teacher Guide: 97-107 *What Is a Plant?* (OL/ES); Teacher Guide: 109-119
LAFS.1.RI.2.4	Ask and answer questions to help determine or clarify the meaning of words and phrases in a text.	**TE:** 3, 41, 81, 139, 219, 277

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LAFS.1.RI.4.10	With prompting and support, read informational texts appropriately complex for grade 1.	**SE:** 13-14, 29-30, 53-54, 69-70, 93-94, 127-128, 153-154, 171-172, 207-208, 231-232, 265-266, 291-292, 307-308 **TE:** 13-14, 29-30, 53-54, 69-70, 93-94, 127-128, 153-154, 171-172, 207-208, 231-232, 265-266, 291-292, 307-308 **Science & Engineering Leveled Readers:** *How Do You Investigate?* (OL/ES); Teacher Guide: 1-11 *How Do Engineers Solve Problems?* (OL/ES); Teacher Guide: 13-23 *What Do We Know About Matter?* (OL/ES); Teacher Guide: 25-35 *What Are Forces and Energy?* (OL/ES); Teacher Guide: 37-47 *Soccer Moves!* (EN); Teacher Guide: 37-47 *How Do We Use and Care for Natural Resources?* (OL/ES); Teacher Guide: 49-59 *Soil For Our Garden* (EN); Teacher Guide: 49-59 *How Can We Observe and Record the Weather?* (OL/ES); Teacher Guide: 61-71 *How Does the Sky Seem to Change?* (OL/ES); Teacher Guide: 73-83 *A Closer Look at Telescopes* (EN); Teacher Guide: 73-83 *Where Do Plants and Animals Live?* (OL/ES); Teacher Guide: 85-95 *A Trip to the Aquarium* (EN); Teacher Guide: 85-95 *What Can We Learn About Animals?* (OL/ES); Teacher Guide: 97-107 *What Is a Plant?* (OL/ES); Teacher Guide: 109-119

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LAFS.1.SL.1.1	Participate in collaborative conversations with diverse partners about grade 1 topics and texts with peers and adults in small and larger groups. a. Follow agreed-upon rules for discussions (e.g., listening to others with care, speaking one at a time about the topics and texts under discussion). b. Build on others' talk in conversations by responding to the comments of others through multiple exchanges. c. Ask questions to clear up any confusion about the topics and texts under discussion.	**SE:** 45, 108, 128 **TE:** 43, 45, 48, 49, 108, 128 **Science & Engineering Leveled Readers:** *How Do You Investigate?* (OL/ES); **Teacher Guide:** 1-11 *How Do Engineers Solve Problems?* (OL/ES)**; Teacher Guide:** 13-23 *What Do We Know About Matter?* (OL/ES); **Teacher Guide:** 25-35 *What Are Forces and Energy?* (OL/ES); **Teacher Guide: 3**7-47 *Soccer Moves!* (EN); **Teacher Guide:** 37-47 *How Do We Use and Care for Natural Resources?* (OL/ES); **Teacher Guide:** 49-59 *Soil For Our Garden* (EN); **Teacher Guide:** 49-59 *How Can We Observe and Record the Weather?* (OL/ES); **Teacher Guide:** 61-71 *How Does the Sky Seem to Change?* (OL/ES); **Teacher Guide:** 73-83 *A Closer Look at Telescopes* (EN)**; Teacher Guide:** 73-83 *Where Do Plants and Animals Live?* (OL/ES); **Teacher Guide:** 85-95 *A Trip to the Aquarium* (EN); **Teacher Guide:** 85-95 *What Can We Learn About Animals?* (OL/ES); **Teacher Guide:** 97-107 *What Is a Plant?* (OL/ES); **Teacher Guide:** 109-119
LAFS.1.W.3.8	With guidance and support from adults, recall information from experiences or gather information from provided sources to answer a question.	**SE:** 263-264, 283-285, 8, 11-12, 248, 250, 262, 300 **TE:** 263-264, 283-285, 5, 8, 11-12, 248, 250, 257, 262, 300 **Science & Engineering Leveled Readers:** *How Can We Observe and Record the Weather?* (OL/ES); **Teacher Guide:** 61-71 *A Closer Look at Telescopes* (EN); **Teacher Guide:** 73-83 *Amazing Animals* (EN); **Teacher Guide:** 97-107 *Weird and Wacky Plants* (EN); **Teacher Guide:** 109-119

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MAFS.1.MD.1.a	Understand how to use a ruler to measure length to the nearest inch. a. Recognize that the ruler is a tool that can be used to measure the attribute of length. b. Understand the importance of the zero point and end point and that the length measure is the span between two points. c. Recognize that the units marked on a ruler have equal length intervals and fit together with no gaps or overlaps. These equal interval distances can be counted to determine the overall length of an object.	**ScienceSaurus (Yellow, Levels K-1):** 10, 121-122
MAFS.1.MD.3.4	Organize, represent, and interpret data with up to three categories; ask and answer questions about the total number of data points, how many in each category, and how many more or less are in one category than in another.	**SE:** 10, 26, 143, 182 **TE:** 10, 26, 143, 182 **Science & Engineering Leveled Readers:** *How Do You Investigate?* (OL/ES); Teacher Guide: 1-11 *Making a Car Go Faster* (EN); Teacher Guide: 1-11 *Soil for Our Garden* (EN); Teacher Guide: 49-59 *How Can We Observe and Record the Weather?* (OL/ES); Teacher Guide: 61-71
ELD.K12.ELL.SC.1	English language learners communicate information, ideas and concepts necessary for academic success in the content area of Science.	**TE:** 4B, 7, 18B, 20, 42B, 48, 58B, 61, 82B, 91, 98B, 112B, 119, 140B, 142, 154, 158B, 160, 176B, 178, 186, 188, 196B, 220B, 227, 236B, 238, 254B, 278B, 287, 296B, 302
ELD.K12.ELL.SI.1	English language learners communicate for social and instructional purposes within the school setting.	**TE:** 4B, 7, 18B, 20, 42B, 48, 58B, 61, 82B, 91, 98B, 112B, 119, 140B, 142, 154, 158B, 160, 176B, 178, 186, 188, 196B, 220B, 227, 236B, 238, 254B, 278B, 287, 296B, 302

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HE.1.C.1.5	Identify the correct names of human body parts.	This standard is beyond the scope of *HMH Science Dimensions Grade 1* .