

Long Beach Island Consolidated School District
Pacing Guide 2018-2019

Unit 1 Title: *Engineering and Technology*
September-October

Target Course/Grade Level: 2nd Grade Science

Interdisciplinary Connections: Integrated throughout the unit are connections to New Jersey Student Learning Standards for ELA, Math, and Technology.

Standards:

K-2: ETS1-1: Ask questions, make observations, and gather information about a situation people want to change to define a simple problem that can be solved through the development of a new or improved object or tool.

K-2-ETS1-2: Develop a simple sketch, drawing, or physical model to illustrate how the shape of an object helps it function as needed to solve a given problem.

K-2-ETS1-3: Analyze data from tests of two objects designed to solve the same problem to compare the strengths and weaknesses of how each performs.

Lesson and Assessment	Days for Instruction and Assessment
Lesson 1: “What is a Design Process”	7
Lesson 2: “How Can We Compare Design Solutions?”	7
You Solve It (digital)*	1
Unit 1 Performance Task*	2
Performance-Based Assessment*	2
Unit 1 Review and Unit Test	2
Unit 1 Project*	3
Total Days	24

*Omit for core path of instruction

Long Beach Island Consolidated School District Pacing Guide 2018-2019

Unit 2 Title: *Matter*
October-December

Target Course/Grade Level: 2nd Grade Science

Interdisciplinary Connections: Integrated throughout the unit are connections to New Jersey Student Learning Standards for ELA, Math, and Technology.

Standards:

2-PS1-1: Plan and conduct an investigation to describe and classify different kinds of materials by their observable properties.

2-PS1-2: Analyze data obtained from testing different materials to determine which materials have the properties that are best suited for an intended purpose.

2-PS1-3: Make observations to construct an evidence-based account of how an object made of a small set of pieces can be disassembled and made into a new object.

2-PS1-4: Construct an argument with evidence that some changes caused by heating or cooling can be reversed and some cannot.

Lesson and Assessment	Days for Instruction and Assessment
Lesson 1: “What are Properties of Matter?”	7
Lesson 2: “How are Objects Put Together?”	7
Lesson 3: “Do Heating and Cooling Change Matter?”	7
Lesson 4: “How Does Matter Change?”	7
You Solve It (digital)*	1
Unit 2 Performance Task*	2
Performance-Based Assessment*	2
Unit 2 Review and Unit Test	2
Unit 2 Project*	3
Total Days	38

*Omit for core path of instruction

Long Beach Island Consolidated School District Pacing Guide 2018-2019

Unit 3 Title: *Environments for Living Things*

January-February

Target Course/Grade Level: 2nd Grade Science

Interdisciplinary Connections: Integrated throughout the unit are connections to New Jersey Student Learning Standards for ELA, Math, and Technology.

Standards:

2-LS2-1: Plan and conduct an investigation to determine if plants need sunlight and water to grow.

2-LS2-2: Develop a simple model that mimics the function of an animal in dispersing seeds or pollinating plants.

2-LS4-1: Make observations of plants and animals to compare the diversity of life in different habitats.

Lesson and Assessment	Days for Instruction and Assessment
Lesson 1: “What Do Plants Need?”	7
Lesson 2” “How Do Plants Depend on Animals?”	7
Lesson 3: “What Plants and Animals Live in Water Habitats?”	7
Lesson 4: “What Plants and Animals Live in Land Habitats?”	7
You Solve It (digital)*	1
Unit 3 Performance Task*	2
Performance-Based Assessment*	2
Unit 3 Review and Unit Test	2
Unit 3 Project*	3
Total Days	38

*Omit for core path of instruction

Long Beach Island Consolidated School District
Pacing Guide 2018-2019

Unit 4 Title: *Earth's Surface*

March-April

Target Course/Grade Level: 2nd Grade Science

Interdisciplinary Connections: Integrated throughout the unit are connections to New Jersey Student Learning Standards for ELA, Math, and Technology.

Standards:

2-ESS2-2: Develop a model to represent the shapes and kinds of land and bodies of water in an area.

2-ESS2-3: Obtain information to identify where water is found on Earth and that it can be solid or liquid.

Lesson and Assessment	Days for Instruction and Assessment
Lesson 1: "Where is Water Found on Earth?"	7
Lesson 2: "How Can We Map Land and Water?"	7
You Solve It (digital)*	1
Unit 4 Performance Task*	2
Performance-Based Assessment*	2
Unit 4 Review and Unit Test	2
Unit 4 Project*	3
Total Days	24

*Omit for core path of instruction

Long Beach Island Consolidated School District
Pacing Guide 2018-2019

Unit 5 Title: *Changes to Earth's Surface*

April-June

Target Course/Grade Level: 2nd Grade Science

Interdisciplinary Connections: Integrated throughout the unit are connections to New Jersey Student Learning Standards for ELA, Math, and Technology.

Standards:

2-ESS1-1: Use information from several sources to provide evidence that Earth events can occur quickly or slowly.

2-ESS2-1: Compare multiple solutions designed to slow or prevent wind or water from changing the shape of the land.

Lesson and Assessment	Days for Instruction and Assessment
Lesson 1: "What Changes on Earth Happen Slowly?"	7
Lesson 2: "What Changes on Earth Happen Quickly?"	7
Lesson 3: "How Can We Prevent Wind and Water from Changing Land?"	7
You Solve It (digital)*	1
Unit 5 Performance Task*	2
Performance-Based Assessment*	2
Unit 5 Review and Unit Test	2
Unit 5 Project*	3
Total Days	31

*Omit for core path of instruction