




Alabama Content Standards at a Glance

In this unit, students will discover and practice the Science and Engineering Practices, Disciplinary Core Ideas, and Crosscutting Concepts needed to perform the following Alabama Content Standards.

Alabama Content Standards	MODULE: Earth’s Landscape
8	●
9	●



Correlations by Module

MODULE: Earth’s Landscape		
DCI Earth’s Systems		
Physical Features		
 8	<b>Use models to distinguish between the shapes and kinds of land and water on Earth.</b> <i>Examples: rivers, oceans, mountains, valleys</i>	14, 16–17, 18–19, 21, 26–27, 51–52, 59–64
SEP Science and Engineering Practices		
<b>Developing and Using Models</b> Using and developing models that represent concrete events or design solutions, including diagrams, drawings, physical replicas, dioramas, dramatizations, or storyboards.		
CCC Crosscutting Concepts		
<b>Patterns</b> Patterns in the natural and human-designed world can be observed, used to describe phenomena, and used as evidence.		

\*From the 2023 Alabama Course of Study: Science

**DCI Earth's Systems****Water****9**

**Obtain information to identify where water is found on Earth and determine whether it is a solid or a liquid.**

44–47, 48–50, 48–50, 51–52, 53, 57

**SEP Science and Engineering Practices****Obtaining, Evaluating, and Communicating Information**

Using observations and texts to gather and communicate new information.

**CCC Crosscutting Concepts****Scale, Proportion, and Quantity**

Relative scales allow objects and events to be compared and described (e.g., bigger and smaller; hotter and colder; faster and slower). Standard units are used to measure length.

**Other Correlations****Alabama Course of Study: English Language Arts Connections****3**

37

**22**

15

**24**

34

**41**

55

**46b-c**

37, 53

**Open Court Reading Connections**

Alabama Inspire Science, Grade 2, Unit 1, Module 1, Lesson 1

Open Court Reading, Grade 2, Unit 2:  
Lesson 1

Alabama Inspire Science, Grade 2, Unit 1, Module 1, Lesson 2

Open Court Reading, Grade 2, Unit 2:  
Lesson 6

Alabama Inspire Science, Grade 2, Unit 1, Module 1, Lesson 3

Open Court Reading, Grade 2, Unit 2,  
Lesson 2




Alabama Content Standards at a Glance

In this unit, students will discover and practice the Science and Engineering Practices, Disciplinary Core Ideas, and Crosscutting Concepts needed to perform the following Alabama Content Standards.

Alabama Content Standards	MODULE: Describe Materials	MODULE: Changes to Materials
1	•	
2	•	
3		•
4		•



Correlations by Module

MODULE: Describe Materials		
DCI Matter and its Interactions		
Structure and Properties		
 1	Plan and carry out investigations to compare, contrast, and classify various solid and liquid materials according to physical properties, including color and texture.	8–10, 16–17, 22–23
SEP Science and Engineering Practices		
Planning and Carrying Out Investigations Designing and conducting simple investigations, based on fair tests, which provide data to support explanations or design solutions.		
CCC Crosscutting Concepts		
Structure and Function The shape and stability of structures of natural and designed objects are related to their function(s).		

*\*From the 2023 Alabama Course of Study: Science*

**DCI Matter and its Interactions****Structure and Properties** **2**

**Conduct investigations to determine suitable uses of natural and manufactured materials based on their observable properties, including strength, flexibility, hardness, absorbency, and texture.**

30–31, 36–37, 38–40, 100–102

**SEP Science and Engineering Practices****Planning and Carrying Out Investigations**

Designing and conducting simple investigations, based on fair tests, which provide data to support explanations or design solutions.

**CCC Crosscutting Concepts****Structure and Function**

The shape and stability of structures of natural and designed objects are related to their function(s).

**Other Correlations****Alabama Course of Study: English Language Arts Connections** **R3**

13, 23, 33

 **15**

13, 23, 33

 **19**

13, 23, 33

 **25a-b**

18

 **46b-c**

15

**Open Court Reading Connections**

Alabama Inspire Science, Grade 2, Unit 2, Module 1, Lesson 1

Open Court Reading, Grade 2, Unit 1, Lesson 1; Unit 5, Lesson 3

Alabama Inspire Science, Grade 2, Unit 2, Module 1, Lesson 2

Open Court Reading, Grade 2, Unit 1, Lesson 1; Unit 5, Lesson 3



## Correlations by Module

### MODULE: Changes to Materials

#### DCI Matter and its Interactions

##### Physical and Chemical Changes

3	Demonstrate and explain how structures made from a small set of pieces can be disassembled and then reassembled as new and different structures.	63–64, 69–70, 72, 72, 73, 73, 75
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#### SEP Science and Engineering Practices

##### Constructing Explanations and Designing Solutions

Using evidence and ideas in constructing evidence-based accounts of natural phenomena and designing solutions.

#### CCC Crosscutting Concepts

##### Energy and Matter: Flows, Cycles, and Conservation

Objects may break into smaller pieces, be put together into larger pieces, or change shapes.

#### DCI Matter and its Interactions

##### Physical and Chemical Changes

4	Provide evidence that some changes in matter caused by heating or cooling can be reversed and some changes are irreversible.	80–82, 83, 85, 86–88, 89, 95, 96
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#### SEP Science and Engineering Practices

##### Engaging in Argument from Evidence






Comparing ideas and representations about the natural and designed world(s).

#### CCC Crosscutting Concepts

##### Stability and Change

Some things stay the same while other things change. Things may change slowly or rapidly.




Other Correlations	
Alabama Course of Study: English Language Arts Connections	
 R3	70
 15	70
 19	70
 31	90
 46b-c	93
Open Court Reading Connections	
Alabama Inspire Science, Grade 2, Unit 2, Module 2, Lesson 1	Open Court Reading, Grade 2, Unit 4, Lesson 5

Alabama Content Standards at a Glance

In this unit, students will discover and practice the Science and Engineering Practices, Disciplinary Core Ideas, and Crosscutting Concepts needed to perform the following Alabama Content Standards.

Alabama Content Standards	MODULE: Landscape Changes
10	●
11	●

Correlations by Module

MODULE: Landscape Changes		
DCI Earth’s Systems		
Changes Over Time		
 10	<b>Use a variety of sources to provide evidence that Earth events can occur slowly or rapidly.</b> <i>Examples: erosion, melting of glaciers; earthquakes, volcanic eruptions</i>	12–13, 14–17, 18–19, 20–21, 24–25, 27, 28, 32–34, 35, 37, 42–43, 44–45, 49
SEP Science and Engineering Practices		
<b>Constructing Explanations and Designing Solutions</b> Using evidence and ideas in constructing evidence-based accounts of natural phenomena and designing solutions.		
CCC Crosscutting Concepts		
<b>Stability and Change</b> Some things stay the same while other things change. Things may change slowly or rapidly.		

\*From the 2023 Alabama Course of Study: Science

**DCI Earth's Systems****Human Impact** **11**

 **Evaluate multiple solutions designed to slow or prevent wind or water from changing the shape of Earth's surface.**

*Examples: the use of dams and erosion prevention methods*

57, 58–59, 60–61, 72

**SEP Science and Engineering Practices****Constructing Explanations and Designing Solutions**

Using evidence and ideas in constructing evidence-based accounts of natural phenomena and designing solutions.

**CCC Crosscutting Concepts****Cause and Effect: Mechanism and Prediction**

Events have causes that generate observable patterns. Simple tests can be designed to gather evidence to support or refute students' ideas about causes.

**Other Correlations****Alabama Course of Study: English Language Arts Connections** **R5**

63

 **41**

63

 **46b-c**

17, 45, 47

**Open Court Reading Connections**

Alabama Inspire Science, Grade 2, Unit 3, Module 1, Lesson 1

Open Court Reading, Grade 2, Unit 2,  
Lesson 4 - Lesson 6

Alabama Inspire Science, Grade 2, Unit 3, Module 1, Lesson 2

Open Court Reading, Grade 2, Unit 2,  
Lesson 4 - Lesson 6

Alabama Inspire Science, Grade 2, Unit 3, Module 1, Lesson 3

Open Court Reading, Grade 2, Unit 2,  
Lesson 1




Alabama Content Standards at a Glance

In this unit, students will discover and practice the Science and Engineering Practices, Disciplinary Core Ideas, and Crosscutting Concepts needed to perform the following Alabama Content Standards.

Alabama Content Standards	MODULE: Plants in Landscapes	MODULE: Living Things in Habitats
5	●	
6	●	
7		●



Correlations by Module

MODULE: Plants in Landscapes		
DCI Ecosystems: Interactions, Energy, and Dynamics		
Interdependent Relationships		
 5	<b>Plan and carry out an investigation, using one variable at a time, to determine how each variable affects plant growth.</b> <i>Examples: various amounts of light, various amounts of water</i>	8–10, 14–15, 18–19
SEP Science and Engineering Practices		
<b>Planning and Carrying Out Investigations</b> Designing and conducting simple investigations, based on fair tests, which provide data to support explanations or design solutions.		
CCC Crosscutting Concepts		
<b>Cause and Effect: Mechanism and Prediction</b> Events have causes that generate observable patterns. Simple tests can be designed to gather evidence to support or refute students’ ideas about causes.		

\*From the 2023 Alabama Course of Study: Science

**DCI Ecosystems: Interactions, Energy, and Dynamics****Interdependent Relationships** **6** **Design and construct models to simulate how animals disperse seeds or pollinate plants.**

41–43, 49–52

**SEP Science and Engineering Practices****Developing and Using Models**

Using and developing models that represent concrete events or design solutions, including diagrams, drawings, physical replicas, dioramas, dramatizations, or storyboards.

**CCC Crosscutting Concepts****Structure and Function**

The shape and stability of structures of natural and designed objects are related to their function(s).

**Other Correlations****Alabama Course of Study: English Language Arts Connections** **R5**Teacher's Edition *Only*: 35 **40**Teacher's Edition *Only*: 35**Open Court Reading Connections**

Alabama Inspire Science, Grade 2, Unit 4, Module 1, Lesson 1

Open Court Reading, Grade 2, Unit 4:  
Lesson 1, Lesson 4

Alabama Inspire Science, Grade 2, Unit 4, Module 1, Lesson 2

Open Court Reading, Grade 2, Unit 4:  
Lesson 1, Lesson 4



## Correlations by Module

### MODULE: Living Things in Habitats

#### DCI Ecosystems: Interactions, Energy, and Dynamics

##### Biodiversity

7	Obtain information to explain that there are many different kinds of living things that exist in habitats on land and in water.	55, 60–61, 62–65, 66–67, 70, 72, 78–81, 82–83, 86, 87, 94–96, 118
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#### SEP Science and Engineering Practices

##### Obtaining, Evaluating, and Communicating Information

Using observations and texts to gather and communicate new information.

#### CCC Crosscutting Concepts

##### Systems and System Models

Objects and organisms can be described in terms of their parts. Systems in the natural and designed world have parts that work together.

### Other Correlations

#### Alabama Course of Study: English Language Arts Connections

R5	86
41	69
46b-c	109

#### Open Court Reading Connections

Alabama Inspire Science, Grade 2, Unit 4, Module 2, Lesson 1	Open Court Reading, Grade 2, Unit 4, Lesson 2, Lesson 3, Lesson 6
Alabama Inspire Science, Grade 2, Unit 4, Module 2, Lesson 2	Open Court Reading, Grade 2, Unit 4, Lesson 2, Lesson 3, Lesson 6
Alabama Inspire Science, Grade 2, Unit 4, Module 2, Lesson 3	Open Court Reading, Grade 2, Unit 4, Lesson 2, Lesson 3, Lesson 6