

Integrated Model Curriculum Source Set

Ohio's Weather and Climate



Kindergarten – Grade 5,
Grade 8

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**Department of
Education &
Workforce**

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Source Set Overview

The Integrated Model Curriculum Source Sets provide high-quality resources for integrating social studies content with English language arts materials. These source sets are broken down into grade bands of Kindergarten-grade 2, grades 3-5, and grade 8. Components of the source sets are as follows:

- **Links:** These links provide resources directly tied to the topic, aligned with the social studies standards, as well as connections to Ohio history and civics.
- **Key Vocabulary:** Identified key vocabulary provides domain-specific vocabulary necessary for comprehending the provided sources and texts.
- **Alignment to Ohio’s Learning Standards in Social Studies:** This section lists out the standards aligned to this topic from Ohio’s Learning Standards in Social Studies.
- **Alignment to Ohio’s Learning Standards in English Language Arts:** This section lists out the standards aligned to this topic from Ohio’s Learning Standards in English Language Arts.
- **Teaching Strategies:** This section includes social studies teaching strategies to provide instruction using the resources linked in each grade level.
- **Life Skills Connections:** Taken from the Professional Skills in the OhioMeansJobs-Readiness Seal, this section demonstrates where life skills can be connected to the resources and topics selected for the Integrated Model Curriculum.

Additionally, the *Integrated Model Curriculum Appendix* provides cross-grade level **comprehension and writing strategies**, social studies **instructional strategies**, a **continuum of supports** from the Integrated Multi-Tiered System of Supports, and **assessment** opportunities that are based on the social studies content in the included sources.

OHIO’S WEATHER AND CLIMATE BACKGROUND INFORMATION

Ohio experiences a wide range of weather throughout the year, with four distinct seasons. Winters can be cold and snowy, especially in the northern regions, while summers are typically warm and humid. Spring and fall bring milder temperatures and colorful transitions, making them popular times for outdoor activities such as festivals, parades, and celebrations.

As Ohio’s climate continues to change due to natural and manmade impacts, the weather patterns and phenomena transform daily life for Ohioans, resulting in new challenges and opportunities. These shifts prompt Ohio’s communities to promote innovative approaches to sustainability, resource management, and securing the health and safety of all Ohioans.

Kindergarten – Grade 2 Source Set

LINKS	SCIENCE OF READING CONNECTIONS
<p>Sources</p> <ul style="list-style-type: none">• Weather World Book Student - INFOhio• Climate World Book Student - INFOhio• Seasons World Book Student - INFOhio• Map of Cleveland and the metropolitan park system (1930)	<p>Key Vocabulary</p> <p><i>Kindergarten:</i></p> <ul style="list-style-type: none">• Models• Maps <p><i>Grade 1:</i></p> <ul style="list-style-type: none">• Needs• Maps• Physical Characteristics• Human Characteristics• Landforms• Bodies of Water• Structures• Environment <p><i>Grade 2:</i></p> <ul style="list-style-type: none">• Artifacts• Symbols• Cardinal Directions• Human Characteristics• Physical Characteristics• Positive• Negative

ALIGNMENT TO SOCIAL STUDIES STANDARDS

Refer to [Ohio's Learning Standards for Social Studies](#) for the text of the content statements.

Refer to [Ohio's Model Curriculum for Social Studies](#) for content elaborations and expectations for learning for the standards.

Kindergarten:

- K.6

Grade 1:

- 1.3, 1.4, 1.5, 1.6

Grade 2:

- 2.2, 2.5, 2.6, 2.7

ALIGNMENT TO ENGLISH LANGUAGE ARTS STANDARDS

Refer to [Ohio's Learning Standards for English Language Arts](#) for the text of the content statements.

Kindergarten:

- RI.K.1, RI.K.2, RI.K.3
- W.K.2
- L.K.4

Grade 1:

- RI.1.1, RI.1.2, RI.1.3
- W.1.2
- L.1.4

Grade 2:

- RI.2.1, RI.2.2, RI.2.3
- W.2.2
- L.2.4

LIFE SKILLS CONNECTIONS

- **Teamwork/Collaboration:** Through a variety of activities, students may use teamwork and/or collaboration to brainstorm ideas and share background knowledge, investigate problems, and present findings.
- **Critical Thinking/Problem-Solving:** Critical thinking can be an important skill when reviewing informational text, as students will need to move from explicit identification of ideas (key details and ideas) to implicit understanding of main ideas and overarching themes.
- **Oral and Written Communication:** Integration of social studies instructional strategies with English language arts standards provide opportunities for students to communicate what they have learned, and new ideas formed based on this information, using both oral and written communication specific to the skills taught per grade level.

Grades 3 – 5 Source Set

LINKS	SCIENCE OF READING CONNECTIONS
<p>Sources</p> <ul style="list-style-type: none">• Be Prepared for Summer – Air Condition! (Eastern Review, June 20, 1963)• Mild Winter, Wild Summer (Pest Management Professional, August 2012)• Xenia after tornado aerial photograph (Greene County Public Library, April 1974)	<p>Key Vocabulary</p> <p><i>Grade 3:</i></p> <ul style="list-style-type: none">• Physical Maps• Political Maps• Title• Key• Alphanumeric Grid• Cardinal Directions• Agriculture• Industry• Natural Resources• Modification <p><i>Grade 4:</i></p> <ul style="list-style-type: none">• Map Scale• Cardinal Directions• Intermediate Directions• Relative Location• Regions• Economies• Tables• Charts

LINKS	SCIENCE OF READING CONNECTIONS
	<p><i>Grade 5:</i></p> <ul style="list-style-type: none"> • Geographic Tools • Cartographers • Latitude • Longitude • Landform • Climate • Population • Culture • Economy
ALIGNMENT TO SOCIAL STUDIES STANDARDS	ALIGNMENT TO ENGLISH LANGUAGE ARTS STANDARDS
<p>Refer to Ohio's Learning Standards for Social Studies for the text of the content statements.</p> <p>Refer to Ohio's Model Curriculum for Social Studies for content elaborations and expectations for learning for the standards.</p> <p><i>Grade 3:</i></p> <ul style="list-style-type: none"> • 3.4, 3.5, 3.6 <p><i>Grade 4:</i></p> <ul style="list-style-type: none"> • 4.9, 4.10, 4.11, 4.20 <p><i>Grade 5:</i></p> <ul style="list-style-type: none"> • 5.4, 5.5, 5.6, 5.7 	<p>Refer to Ohio's Learning Standards for English Language Arts for the text of the content statements.</p> <p><i>Grade 3:</i></p> <ul style="list-style-type: none"> • RI.3.1, RI.3.2, RI.3.3 • W.3.2 • L.3.4 <p><i>Grade 4:</i></p> <ul style="list-style-type: none"> • RI.4.1, RI.4.2, RI.4.3 • W.4.2 • L.4.4 <p><i>Grade 5:</i></p> <ul style="list-style-type: none"> • RI.5.1, RI.5.2, RI.5.3 • W.5.2 • L.5.4

LIFE SKILLS CONNECTIONS

- **Teamwork/Collaboration:** Through a variety of activities, students may use teamwork and/or collaboration to brainstorm ideas and share background knowledge, investigate problems, and present findings.
- **Critical Thinking/Problem-Solving:** Critical thinking can be an important skill when reviewing informational text, as students will need to move from explicit identification of ideas (key details and ideas) to implicit understanding of main ideas and overarching themes.
- **Leadership:** Through studying the historical documents, students will learn about Ohio's leaders over time.
- **Oral and Written Communication:** Integration of social studies instructional strategies with English language arts standards provide opportunities for students to communicate what they have learned, and new ideas formed based on this information, using both oral and written communication specific to the skills taught per grade level.

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Grade 8 Source Set

LINKS	SCIENCE OF READING CONNECTIONS
<p>Sources</p> <ul style="list-style-type: none"> • Dayton After the 1913 Flood Photographs Ohio Memory – Ohio History Connection • Flood Conservancy Act Cartoon Ohio Memory – Ohio History Connection • Xenia McKinley Elementary School before and after Tornado Photographs Ohio Memory – Ohio History Connection • Bernice Heinz Xenia Tornado Personal Account Ohio Memory – Ohio History Connection 	<p>Key Vocabulary</p> <ul style="list-style-type: none"> • Modern Maps • Historic Maps • National Resources • Environmental Consequences • Settlement
ALIGNMENT TO SOCIAL STUDIES STANDARDS	ALIGNMENT TO ENGLISH LANGUAGE ARTS STANDARDS
<p>Refer to Ohio’s Learning Standards for Social Studies for the text of the content statements.</p> <p>Refer to Ohio’s Model Curriculum for Social Studies for content elaborations and expectations for learning for the standards.</p> <ul style="list-style-type: none"> • 8.15, 8.16, 8.17 	<p>Refer to Ohio’s Learning Standards for English Language Arts for the text of the content statements.</p> <ul style="list-style-type: none"> • RI.8.1, RI.8.2, RI.8.3, RI.8.4, RI.8.9 • W.8.2, • W.8.7
LIFE SKILLS CONNECTIONS	
<ul style="list-style-type: none"> • Teamwork/Collaboration: Through a variety of activities, students may use teamwork and/or collaboration to brainstorm ideas and share background knowledge, investigate problems, and present findings. • Critical Thinking/Problem-Solving: Critical thinking can be an important skill when reviewing informational text, as students will need to move from explicit identification of ideas (key details and ideas) to implicit understanding of main ideas and overarching themes. • Leadership: Through studying the historical documents, students will learn about Ohio’s leaders over time. • Oral and Written Communication: Integration of social studies instructional strategies with English language arts standards provide opportunities for students to communicate what they have learned, and new ideas formed based on this information, using both oral and written communication specific to the skills taught per grade level. 	