

Ohio 4th Grade State Standards

Language Arts	Language Arts	Language Arts
Reading (Informational Text)	Writing	Speaking & Listening
Think Tank Team research their select species	Think Tank Team write cooperative report	Think Tank Team presents oral report with visual aids
RI 4.2: Summarizing informational text with main idea and details	W 4.1: Opinion (Aug. - Jan.)	SL 4.1A: Come to discussion prepared having read of studied required material. Draw on that preparation about the topic to explore ideas under discussion
RI 4.4: Connect clues and determine domain specific words	W 4.2: Non-Fiction (Informational) (Feb. - Apr.)	SL 4.1B: Follow agreed upon rules for discussion and carry out assigned roles (in Think Tank Teams)
RI 4.5: Text structure: chronology, description, cause and effect, problem and solution, compare and contrast	W 4.3: Narrative: May. Sequence Paragraph - 5 paragraph personal narrative essay: "What changes have you made at home or in your life that impacts animals and the environment?"	SL 4.2: Paraphrase portions of a text read aloud or information presented in diverse media and formats, including visually, quantitatively and orally
RI 4.6: Compare and contrast a firsthand and secondhand account of the same event or topic	W 4.7: Research and develop knowledge via a topic	SL 4.5: Add audio recordings and visual displays to presentation to enhance main ideas and themes
RI 4.7: Interpret information in a charts, graphs, timeline or diagram	W 4.8: Recall relevant information from experiences or gather relevant information from print and digital sources; take notes and categorize information and provide a list of sources	SL 4.4: Report on topic and text and speak clearly at understandable pace
RI 4.9: Combining 2 Texts	W 4.9: Draw evidence from literary or informative text to support analysis, reflection and research	SL 4.6: Differentiate between contexts call for formal English
RI 4.10: Use non-fiction text in social studies, science and technology to gather information		

Ohio 4th Grade State Standards

Math	Science	Social Studies
Place Value	Earth Science (Sept, Oct, Nov.)	Geography & Economics & Government
4.NBT.1: Recognize that in a multi-digit whole number, a digit in one place represents ten times what it represents in the place to its right.	4.ESS.1: Earth's surface has specific characteristics and landforms that can be identified. (70% of Earth is water, which most of which is oceans; identify landforms and the processes that form them)	ECON 22: Reading tables and charts
4.NBT.2: Read and write multi-digit whole numbers using base-ten numerals, number names, and expanded form.	Ecosystems (Nov., Dec., Jan., Feb.)	GEO 9: Cardinal and Intermediate Directions (relative location)
Technology	4.LS.1: Changes in an organism's environment are sometimes beneficial to its survival and sometimes harmful.	HISTORY 2: Sources of Information; Vocabulary: Primary and Secondary Sources
Create a plan and select collaboration and/or communication tools to complete a given task.	Visual Arts	GOV 15: Citizens have rights and responsibilities to influence their state and national government
Produce and publish information appropriate for a target audience using digital learning tools and resources	Experiment with art materials by using them in unexpected and creative ways to express ideas and convey meaning (Earthbench Project)	GOV 16: Civic participation based on informed and reasoned decisions.

Ohio 5th Grade State Standards

Math	Science	Language Arts
Place Value & Measurement	<p>Life Science : Interconnections within Ecosystems</p>	<p>RL.5.1 Quote accurately from a text when explaining what the text says explicitly and when drawing inferences from the text.</p>
<p>5.NBT.7 Solve real-world problems by adding, subtracting, multiplying, and dividing decimals using concrete models or drawings and strategies based on place value, properties of operations, and/or the relationship between addition and subtraction, or multiplication and division; relate the strategy to a written method and explain the reasoning used.</p> <p>a. Add and subtract decimals, including decimals with whole numbers, (whole numbers through the hundreds place and decimals through the hundredths place).</p> <p>b. Multiply whole numbers by decimals (whole numbers through the hundreds place and decimals through the hundredths place).</p> <p>c. Divide whole numbers by decimals and decimals by whole numbers (whole numbers through the tens place and decimals less than one through the hundredths place using numbers whose division can be readily</p>	<p>5.LS.1: Organisms perform a variety of roles in an ecosystem. Populations of organisms can be categorized by how they acquire energy. Food webs can be used to identify the relationships among producers, consumers and decomposers in an ecosystem.</p>	<p>W.5.2 Write informative/explanatory texts to examine a topic and convey ideas and information clearly.</p> <p>a. Introduce a topic clearly, provide a general observation and focus, and group related information logically; include formatting (e.g., headings), illustrations, and multimedia to aid comprehension, if needed.</p> <p>b. Develop the topic with facts, definitions, concrete details, quotations, or other information and examples related to the topic.</p> <p>c. Link ideas within and across categories of information using words, phrases, and clauses (e.g., in contrast, especially).</p> <p>d. Use precise language and domain- specific vocabulary to inform about or explain the topic.</p> <p>e. Provide a concluding statement or section related to the information or explanation presented.</p>
<p>5.MD.2 Display and interpret data in graphs (picture graphs, bar graphs, and line plots) to solve problems using numbers and operations for this grade, e.g., including U.S. customary units in fractions $\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{8}$, or decimals.</p>		

Technology	Visual Arts	Social Studies
<p>Create a plan and select collaboration and/or communication tools to complete a given task.</p>	<p>Experiment with art materials by using them in unexpected and creative ways to express ideas and convey meaning (Earthbench Project)</p>	<p>Civic Participation & Skills, Regions and People in the Western Hemisphere</p>
<p>Produce and publish information appropriate for a target audience using digital learning tools and resources</p>		<p>Content Statement: 11. Individuals can better understand public issues by gathering, interpreting and checking information for accuracy from multiple sources. Data can be displayed graphically to effectively and efficiently communicate</p> <p>Student develop their understanding of the relationship between markets and available resources.</p>

Ohio 6th Grade State Standards

Math	Science	Language Arts
<p>GEOMETRY 6.G Solve real-world and mathematical problems involving area, surface area, and volume.</p>	<p>Earth and Space Science</p>	<p>RL.5.1 Quote accurately from a text when explaining what the text says explicitly and when drawing inferences from the text.</p>
<p>STATISTICS AND PROBABILITY 6.SP Develop understanding of statistical problem solving. 6.SP.1 Develop statistical reasoning by using the GAISE model:</p> <p>a. Formulate Questions: Recognize and formulate a statistical question as one that anticipates variability and can be answered with quantitative data. <i>For example, “How old am I?” is not a statistical question, but “How old are the students in my school?” is a statistical question because of the variability in students’ ages.</i> (GAISE Model, step 1)</p> <p>b. Collect Data: Design and use a plan to collect appropriate data to answer a statistical question. (GAISE Model, step 2)</p> <p>c. Analyze Data: Select appropriate graphical methods and numerical measures to analyze data by displaying variability within a group, comparing individual to individual, and comparing individual to group. (GAISE Model, step 3)</p> <p>d. Interpret Results: Draw logical conclusions from the data based on the original question. (GAISE Model, step 4)</p>	<p>6.ESS.4 Soil is unconsolidated material that contains nutrient matter and weathered rock. Soil formation occurs at different rates and is based on environmental conditions, types of existing bedrock, and rates of weathering.</p>	<p>W.5.2 Write informative/explanatory texts to examine a topic and convey ideas and information clearly.</p> <p>a. Introduce a topic clearly, provide a general observation and focus, and group related information logically; include formatting (e.g., headings), illustrations, and multimedia to aid comprehension, if needed.</p> <p>b. Develop the topic with facts, definitions, concrete details, quotations, or other information and examples related to the topic.</p> <p>c. Link ideas within and across categories of information using words, phrases, and clauses (e.g., in contrast, especially).</p> <p>d. Use precise language and domain- specific vocabulary to inform about or explain the topic.</p> <p>e. Provide a concluding statement or section related to the information or explanation presented.</p>

Technology	Visual Arts	Social Studies
Create a plan and select collaboration and/or communication tools to complete a given task.	Experiment with art materials by using them in unexpected and creative ways to express ideas and convey meaning (Earthbench Project)	Civic Participation & Skills, Regions and People in the Western Hemisphere
Produce and publish information appropriate for a target audience using digital learning tools and resources		<p>Content Statement:</p> <p>11. Individuals can better understand public issues by gathering, interpreting and checking information for accuracy from multiple sources. Data can be displayed graphically to effectively and efficiently communicate</p> <p>Student develop their understanding of the relationship between markets and available resources.</p>