



**Interact Middle School Library**  
**Grades: 5, 6, 7, 8**  
**States: Common Core State Standards**

Interact Middle School Library: ARCHITECTS OF LEARNING: A Standards-Based, Project-Oriented Simulation in Which Students Apply Math Skills  
 Summary: Students apply math skills in geometry, measurement, scale, and proportion to create a campus of pavilions designed to display a theme. (9781573363617-INT940)

**Common Core State Standards**  
**Language Arts**  
**Grade: 5 - Adopted 2010**

<b>STRAND / DOMAIN</b>	<b>CCSS.ELA-Literacy.RI.5</b>	<b>Reading Standards for Informational Text</b>
<b>CATEGORY / CLUSTER</b>		Integration of Knowledge and Ideas
<b>STANDARD</b>	<b>CCSS.ELA-Literacy.RI.5.7</b>	Draw on information from multiple print or digital sources, demonstrating the ability to locate an answer to a question quickly or to solve a problem efficiently.
<b>STANDARD</b>	<b>CCSS.ELA-Literacy.RI.5.8</b>	Explain how an author uses reasons and evidence to support particular points in a text, identifying which reasons and evidence support which point(s).
<b>STANDARD</b>	<b>CCSS.ELA-Literacy.RI.5.9</b>	Integrate information from several texts on the same topic in order to write or speak about the subject knowledgeably.
<b>STRAND / DOMAIN</b>	<b>CCSS.ELA-Literacy.RI.5</b>	<b>Reading Standards for Informational Text</b>
<b>CATEGORY / CLUSTER</b>		Range of Reading and Level of Text Complexity
<b>STANDARD</b>	<b>CCSS.ELA-Literacy.RI.5.10</b>	By the end of the year, read and comprehend informational texts, including history/social studies, science, and technical texts, at the high end of the grades 4-5 text complexity band independently and proficiently.
<b>STRAND / DOMAIN</b>	<b>CCSS.ELA-Literacy.RF.5</b>	<b>Reading Standards: Foundational Skills</b>
<b>CATEGORY / CLUSTER</b>		Fluency
<b>STANDARD</b>	<b>CCSS.ELA-Literacy.RF.5.4</b>	Read with sufficient accuracy and fluency to support comprehension.
<b>EXPECTATION</b>	<b>CCSS.ELA-Literacy.RF.5.4a</b>	Read on-level text with purpose and understanding.
<b>STRAND / DOMAIN</b>	<b>CCSS.ELA-Literacy.W.5</b>	<b>Writing Standards</b>
<b>CATEGORY / CLUSTER</b>		Text Types and Purposes
<b>STANDARD</b>	<b>CCSS.ELA-Literacy.W.5.2</b>	Write informative/explanatory texts to examine a topic and convey ideas and information clearly.
<b>EXPECTATION</b>	<b>CCSS.ELA-Literacy.W.5.2b</b>	Develop the topic with facts, definitions, concrete details, quotations, or other information and examples related to the topic.
<b>STRAND / DOMAIN</b>	<b>CCSS.ELA-Literacy.W.5</b>	<b>Writing Standards</b>
<b>CATEGORY /</b>		Production and Distribution of Writing

<b>CLUSTER</b>		
<b>STANDARD</b>	<b>CCSS.ELA-Literacy.W.5.4</b>	Produce clear and coherent writing in which the development and organization are appropriate to task, purpose, and audience. (Grade-specific expectations for writing types are defined in standards 1-3 above.)
<b>STRAND / DOMAIN</b>	<b>CCSS.ELA-Literacy.W.5</b>	Writing Standards
<b>CATEGORY / CLUSTER</b>		Research to Build and Present Knowledge
<b>STANDARD</b>	<b>CCSS.ELA-Literacy.W.5.7</b>	Conduct short research projects that use several sources to build knowledge through investigation of different aspects of a topic.
<b>STANDARD</b>	<b>CCSS.ELA-Literacy.W.5.8</b>	Recall relevant information from experiences or gather relevant information from print and digital sources; summarize or paraphrase information in notes and finished work, and provide a list of sources.
<b>STRAND / DOMAIN</b>	<b>CCSS.ELA-Literacy.W.5</b>	Writing Standards
<b>CATEGORY / CLUSTER</b>		Research to Build and Present Knowledge
<b>STANDARD</b>	<b>CCSS.ELA-Literacy.W.5.9</b>	Draw evidence from literary or informational texts to support analysis, reflection, and research.
<b>EXPECTATION</b>	<b>CCSS.ELA-Literacy.W.5.9b</b>	Apply grade 5 reading standards to informational texts (e.g., "Explain how an author uses reasons and evidence to support particular points in a text, identifying which reasons and evidence support which point[s]").
<b>STRAND / DOMAIN</b>	<b>CCSS.ELA-Literacy.W.5</b>	Writing Standards
<b>CATEGORY / CLUSTER</b>		Range of Writing
<b>STANDARD</b>	<b>CCSS.ELA-Literacy.W.5.10</b>	Write routinely over extended time frames (time for research, reflection, and revision) and shorter time frames (a single sitting or a day or two) for a range of discipline-specific tasks, purposes, and audiences.
<b>STRAND / DOMAIN</b>	<b>CCSS.ELA-Literacy.SL.5</b>	Speaking and Listening Standards
<b>CATEGORY / CLUSTER</b>		Comprehension and Collaboration
<b>STANDARD</b>	<b>CCSS.ELA-Literacy.SL.5.1</b>	Engage effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners on grade 5 topics and texts, building on others' ideas and expressing their own clearly.
<b>EXPECTATION</b>	<b>CCSS.ELA-Literacy.SL.5.1a</b>	Come to discussions prepared, having read or studied required material; explicitly draw on that preparation and other information known about the topic to explore ideas under discussion.
<b>EXPECTATION</b>	<b>CCSS.ELA-Literacy.SL.5.1b</b>	Follow agreed-upon rules for discussions and carry out assigned roles.
<b>EXPECTATION</b>	<b>CCSS.ELA-Literacy.SL.5.1c</b>	Pose and respond to specific questions by making comments that contribute to the discussion and elaborate on the remarks of others.

**Grade: 6 - Adopted 2010**

<b>STRAND / DOMAIN</b>	<b>CCSS.ELA-Literacy.RI.6</b>	Reading Standards for Informational Text
<b>CATEGORY / CLUSTER</b>		Integration of Knowledge and Ideas
<b>STANDARD</b>	<b>CCSS.ELA-Literacy.RI.6.7</b>	Integrate information presented in different media or formats (e.g., visually, quantitatively) as well as in words to develop a coherent understanding of a topic or issue.
<b>STRAND / DOMAIN</b>	<b>CCSS.ELA-Literacy.W.6</b>	Writing Standards
<b>CATEGORY / CLUSTER</b>		Text Types and Purposes

<b>STANDARD</b>	<b>CCSS.ELA-Literacy.W.6.2</b>	Write informative/explanatory texts to examine a topic and convey ideas, concepts, and information through the selection, organization, and analysis of relevant content.
<b>EXPECTATION</b>	<b>CCSS.ELA-Literacy.W.6.2b</b>	Develop the topic with relevant facts, definitions, concrete details, quotations, or other information and examples.
<b>STRAND / DOMAIN</b>	<b>CCSS.ELA-Literacy.W.6</b>	Writing Standards
<b>CATEGORY / CLUSTER</b>		Production and Distribution of Writing
<b>STANDARD</b>	<b>CCSS.ELA-Literacy.W.6.4</b>	Produce clear and coherent writing in which the development, organization, and style are appropriate to task, purpose, and audience. (Grade-specific expectations for writing types are defined in standards 1-3 above.)
<b>STRAND / DOMAIN</b>	<b>CCSS.ELA-Literacy.W.6</b>	Writing Standards
<b>CATEGORY / CLUSTER</b>		Research to Build and Present Knowledge
<b>STANDARD</b>	<b>CCSS.ELA-Literacy.W.6.7</b>	Conduct short research projects to answer a question, drawing on several sources and refocusing the inquiry when appropriate.
<b>STANDARD</b>	<b>CCSS.ELA-Literacy.W.6.8</b>	Gather relevant information from multiple print and digital sources; assess the credibility of each source; and quote or paraphrase the data and conclusions of others while avoiding plagiarism and providing basic bibliographic information for sources.
<b>STRAND / DOMAIN</b>	<b>CCSS.ELA-Literacy.W.6</b>	Writing Standards
<b>CATEGORY / CLUSTER</b>		Range of Writing
<b>STANDARD</b>	<b>CCSS.ELA-Literacy.W.6.10</b>	Write routinely over extended time frames (time for research, reflection, and revision) and shorter time frames (a single sitting or a day or two) for a range of discipline-specific tasks, purposes, and audiences.
<b>STRAND / DOMAIN</b>	<b>CCSS.ELA-Literacy.SL.6</b>	Speaking and Listening Standards
<b>CATEGORY / CLUSTER</b>		Comprehension and Collaboration
<b>STANDARD</b>	<b>CCSS.ELA-Literacy.SL.6.1</b>	Engage effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners on grade 6 topics, texts, and issues, building on others' ideas and expressing their own clearly.
<b>EXPECTATION</b>	<b>CCSS.ELA-Literacy.SL.6.1a</b>	Come to discussions prepared, having read or studied required material; explicitly draw on that preparation by referring to evidence on the topic, text, or issue to probe and reflect on ideas under discussion.
<b>EXPECTATION</b>	<b>CCSS.ELA-Literacy.SL.6.1b</b>	Follow rules for collegial discussions, set specific goals and deadlines, and define individual roles as needed.
<b>EXPECTATION</b>	<b>CCSS.ELA-Literacy.SL.6.1c</b>	Pose and respond to specific questions with elaboration and detail by making comments that contribute to the topic, text, or issue under discussion.
<b>STRAND / DOMAIN</b>	<b>CCSS.ELA-Literacy.SL.6</b>	Speaking and Listening Standards
<b>CATEGORY / CLUSTER</b>		Presentation of Knowledge and Ideas
<b>STANDARD</b>	<b>CCSS.ELA-Literacy.SL.6.6</b>	Adapt speech to a variety of contexts and tasks, demonstrating command of formal English when indicated or appropriate.

**Grade: 7 - Adopted 2010**

<b>STRAND / DOMAIN</b>	<b>CCSS.ELA-Literacy.RI.7</b>	Reading Standards for Informational Text
<b>CATEGORY / CLUSTER</b>		Key Ideas and Details
<b>STANDARD</b>	<b>CCSS.ELA-Literacy.RI.7.3</b>	Analyze the interactions between individuals, events, and ideas in a text (e.g., how ideas influence individuals or events, or how individuals influence ideas or events).

<b>STRAND / DOMAIN</b>	<b>CCSS.ELA-Literacy.W.7</b>	<b>Writing Standards</b>
<b>CATEGORY / CLUSTER</b>		Text Types and Purposes
<b>STANDARD</b>	<b>CCSS.ELA-Literacy.W.7.2</b>	Write informative/explanatory texts to examine a topic and convey ideas, concepts, and information through the selection, organization, and analysis of relevant content.
<b>EXPECTATION</b>	<b>CCSS.ELA-Literacy.W.7.2b</b>	Develop the topic with relevant facts, definitions, concrete details, quotations, or other information and examples.
<b>STRAND / DOMAIN</b>	<b>CCSS.ELA-Literacy.W.7</b>	<b>Writing Standards</b>
<b>CATEGORY / CLUSTER</b>		Production and Distribution of Writing
<b>STANDARD</b>	<b>CCSS.ELA-Literacy.W.7.4</b>	Produce clear and coherent writing in which the development, organization, and style are appropriate to task, purpose, and audience. (Grade-specific expectations for writing types are defined in standards 1-3 above.)
<b>STRAND / DOMAIN</b>	<b>CCSS.ELA-Literacy.W.7</b>	<b>Writing Standards</b>
<b>CATEGORY / CLUSTER</b>		Research to Build and Present Knowledge
<b>STANDARD</b>	<b>CCSS.ELA-Literacy.W.7.7</b>	Conduct short research projects to answer a question, drawing on several sources and generating additional related, focused questions for further research and investigation.
<b>STANDARD</b>	<b>CCSS.ELA-Literacy.W.7.8</b>	Gather relevant information from multiple print and digital sources, using search terms effectively; assess the credibility and accuracy of each source; and quote or paraphrase the data and conclusions of others while avoiding plagiarism and following a standard format for citation.
<b>STRAND / DOMAIN</b>	<b>CCSS.ELA-Literacy.W.7</b>	<b>Writing Standards</b>
<b>CATEGORY / CLUSTER</b>		Range of Writing
<b>STANDARD</b>	<b>CCSS.ELA-Literacy.W.7.10</b>	Write routinely over extended time frames (time for research, reflection, and revision) and shorter time frames (a single sitting or a day or two) for a range of discipline-specific tasks, purposes, and audiences.
<b>STRAND / DOMAIN</b>	<b>CCSS.ELA-Literacy.SL.7</b>	<b>Speaking and Listening Standards</b>
<b>CATEGORY / CLUSTER</b>		Comprehension and Collaboration
<b>STANDARD</b>	<b>CCSS.ELA-Literacy.SL.7.1</b>	Engage effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners on grade 7 topics, texts, and issues, building on others' ideas and expressing their own clearly.
<b>EXPECTATION</b>	<b>CCSS.ELA-Literacy.SL.7.1a</b>	Come to discussions prepared, having read or researched material under study; explicitly draw on that preparation by referring to evidence on the topic, text, or issue to probe and reflect on ideas under discussion.
<b>EXPECTATION</b>	<b>CCSS.ELA-Literacy.SL.7.1b</b>	Follow rules for collegial discussions, track progress toward specific goals and deadlines, and define individual roles as needed.
<b>EXPECTATION</b>	<b>CCSS.ELA-Literacy.SL.7.1c</b>	Pose questions that elicit elaboration and respond to others' questions and comments with relevant observations and ideas that bring the discussion back on topic as needed.
<b>EXPECTATION</b>	<b>CCSS.ELA-Literacy.SL.7.1d</b>	Acknowledge new information expressed by others and, when warranted, modify their own views.

**Grade: 8 - Adopted 2010**

<b>STRAND / DOMAIN</b>	<b>CCSS.ELA-Literacy.W.8</b>	<b>Writing Standards</b>
<b>CATEGORY / CLUSTER</b>		Text Types and Purposes
<b>STANDARD</b>	<b>CCSS.ELA-Literacy.W.8.2</b>	Write informative/explanatory texts to examine a topic and convey ideas, concepts, and information through the selection,

		organization, and analysis of relevant content.
<b>EXPECTATION</b>	<b>CCSS.ELA-Literacy.W.8.2b</b>	Develop the topic with relevant, well-chosen facts, definitions, concrete details, quotations, or other information and examples.
<b>STRAND / DOMAIN</b>	<b>CCSS.ELA-Literacy.W.8</b>	<b>Writing Standards</b>
<b>CATEGORY / CLUSTER</b>		Production and Distribution of Writing
<b>STANDARD</b>	<b>CCSS.ELA-Literacy.W.8.4</b>	Produce clear and coherent writing in which the development, organization, and style are appropriate to task, purpose, and audience. (Grade-specific expectations for writing types are defined in standards 1-3 above.)
<b>STRAND / DOMAIN</b>	<b>CCSS.ELA-Literacy.W.8</b>	<b>Writing Standards</b>
<b>CATEGORY / CLUSTER</b>		Research to Build and Present Knowledge
<b>STANDARD</b>	<b>CCSS.ELA-Literacy.W.8.7</b>	Conduct short research projects to answer a question (including a self-generated question), drawing on several sources and generating additional related, focused questions that allow for multiple avenues of exploration.
<b>STANDARD</b>	<b>CCSS.ELA-Literacy.W.8.8</b>	Gather relevant information from multiple print and digital sources, using search terms effectively; assess the credibility and accuracy of each source; and quote or paraphrase the data and conclusions of others while avoiding plagiarism and following a standard format for citation.
<b>STRAND / DOMAIN</b>	<b>CCSS.ELA-Literacy.W.8</b>	<b>Writing Standards</b>
<b>CATEGORY / CLUSTER</b>		Range of Writing
<b>STANDARD</b>	<b>CCSS.ELA-Literacy.W.8.10</b>	Write routinely over extended time frames (time for research, reflection, and revision) and shorter time frames (a single sitting or a day or two) for a range of discipline-specific tasks, purposes, and audiences.
<b>STRAND / DOMAIN</b>	<b>CCSS.ELA-Literacy.SL.8</b>	<b>Speaking and Listening Standards</b>
<b>CATEGORY / CLUSTER</b>		Comprehension and Collaboration
<b>STANDARD</b>	<b>CCSS.ELA-Literacy.SL.8.1</b>	Engage effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners on grade 8 topics, texts, and issues, building on others' ideas and expressing their own clearly.
<b>EXPECTATION</b>	<b>CCSS.ELA-Literacy.SL.8.1a</b>	Come to discussions prepared, having read or researched material under study; explicitly draw on that preparation by referring to evidence on the topic, text, or issue to probe and reflect on ideas under discussion.
<b>EXPECTATION</b>	<b>CCSS.ELA-Literacy.SL.8.1b</b>	Follow rules for collegial discussions and decision-making, track progress toward specific goals and deadlines, and define individual roles as needed.
<b>EXPECTATION</b>	<b>CCSS.ELA-Literacy.SL.8.1c</b>	Pose questions that connect the ideas of several speakers and respond to others' questions and comments with relevant evidence, observations, and ideas.
<b>EXPECTATION</b>	<b>CCSS.ELA-Literacy.SL.8.1d</b>	Acknowledge new information expressed by others, and, when warranted, qualify or justify their own views in light of the evidence presented.

### Mathematics

Grade: 5 - Adopted 2010

<b>STRAND / DOMAIN</b>	<b>CCSS.Math.Practice</b>	<b>Mathematical Practices</b>
<b>CATEGORY / CLUSTER</b>	<b>CCSS.Math.Practice.MP1</b>	Make sense of problems and persevere in solving them.
<b>CATEGORY / CLUSTER</b>	<b>CCSS.Math.Practice.MP2</b>	Reason abstractly and quantitatively.
<b>CATEGORY / CLUSTER</b>	<b>CCSS.Math.Practice.MP3</b>	Construct viable arguments and critique the reasoning of others.

CATEGORY / CLUSTER	CCSS.Math.Practice.MP5	Use appropriate tools strategically.
CATEGORY / CLUSTER	CCSS.Math.Practice.MP6	Attend to precision.

**Grade: 6 - Adopted 2010**

<b>STRAND / DOMAIN</b>	<b>CCSS.Math.Practice</b>	<b>Mathematical Practices</b>
CATEGORY / CLUSTER	CCSS.Math.Practice.MP1	Make sense of problems and persevere in solving them.
CATEGORY / CLUSTER	CCSS.Math.Practice.MP2	Reason abstractly and quantitatively.
CATEGORY / CLUSTER	CCSS.Math.Practice.MP3	Construct viable arguments and critique the reasoning of others.
CATEGORY / CLUSTER	CCSS.Math.Practice.MP5	Use appropriate tools strategically.
CATEGORY / CLUSTER	CCSS.Math.Practice.MP6	Attend to precision.
<b>STRAND / DOMAIN</b>	<b>CCSS.Math.Content.6.RP</b>	<b>Ratios and Proportional Relationships</b>
CATEGORY / CLUSTER	CCSS.Math.Content.6.RP.A	Understand ratio concepts and use ratio reasoning to solve problems.
STANDARD	CCSS.Math.Content.6.RP.A.3	Use ratio and rate reasoning to solve real-world and mathematical problems, e.g., by reasoning about tables of equivalent ratios, tape diagrams, double number line diagrams, or equations.
EXPECTATION	CCSS.Math.Content.6.RP.A.3a	Make tables of equivalent ratios relating quantities with whole-number measurements, find missing values in the tables, and plot the pairs of values on the coordinate plane. Use tables to compare ratios.
<b>STRAND / DOMAIN</b>	<b>CCSS.Math.Content.6.G</b>	<b>Geometry</b>
CATEGORY / CLUSTER	CCSS.Math.Content.6.G.A	Solve real-world and mathematical problems involving area, surface area, and volume.
STANDARD	CCSS.Math.Content.6.G.A.1	Find the area of right triangles, other triangles, special quadrilaterals, and polygons by composing into rectangles or decomposing into triangles and other shapes; apply these techniques in the context of solving real-world and mathematical problems.

**Grade: 7 - Adopted 2010**

<b>STRAND / DOMAIN</b>	<b>CCSS.Math.Practice</b>	<b>Mathematical Practices</b>
CATEGORY / CLUSTER	CCSS.Math.Practice.MP1	Make sense of problems and persevere in solving them.
CATEGORY / CLUSTER	CCSS.Math.Practice.MP2	Reason abstractly and quantitatively.
CATEGORY / CLUSTER	CCSS.Math.Practice.MP3	Construct viable arguments and critique the reasoning of others.
CATEGORY / CLUSTER	CCSS.Math.Practice.MP5	Use appropriate tools strategically.
CATEGORY / CLUSTER	CCSS.Math.Practice.MP6	Attend to precision.
<b>STRAND / DOMAIN</b>	<b>CCSS.Math.Content.7.G</b>	<b>Geometry</b>
CATEGORY / CLUSTER	CCSS.Math.Content.7.G.A	Draw construct, and describe geometrical figures and describe the relationships between them.
STANDARD	CCSS.Math.Content.7.G.A.1	Solve problems involving scale drawings of geometric figures, including computing actual lengths and areas from a scale drawing and reproducing a scale drawing at a different scale.
STANDARD	CCSS.Math.Content.7.G.A.2	Draw (freehand, with ruler and protractor, and with technology) geometric shapes with given conditions. Focus on constructing triangles from three measures of angles or sides, noticing when the conditions determine a unique triangle, more than one triangle, or no triangle.

<b>STRAND / DOMAIN</b>	<b>CCSS.Math.Content.7.G</b>	Geometry
<b>CATEGORY / CLUSTER</b>	<b>CCSS.Math.Content.7.G.B</b>	Solve real-life and mathematical problems involving angle measure, area, surface area, and volume.
<b>STANDARD</b>	<b>CCSS.Math.Content.7.G.B.6</b>	Solve real-world and mathematical problems involving area, volume and surface area of two- and three-dimensional objects composed of triangles, quadrilaterals, polygons, cubes, and right prisms.

Grade: **8** - Adopted **2010**

<b>STRAND / DOMAIN</b>	<b>CCSS.Math.Practice</b>	Mathematical Practices
<b>CATEGORY / CLUSTER</b>	<b>CCSS.Math.Practice.MP1</b>	Make sense of problems and persevere in solving them.
<b>CATEGORY / CLUSTER</b>	<b>CCSS.Math.Practice.MP2</b>	Reason abstractly and quantitatively.
<b>CATEGORY / CLUSTER</b>	<b>CCSS.Math.Practice.MP3</b>	Construct viable arguments and critique the reasoning of others.
<b>CATEGORY / CLUSTER</b>	<b>CCSS.Math.Practice.MP5</b>	Use appropriate tools strategically.
<b>CATEGORY / CLUSTER</b>	<b>CCSS.Math.Practice.MP6</b>	Attend to precision.