



Interact Middle School Library
Grades: 8, 9
States: Common Core State Standards

Interact Middle School Library: SKATEBOARD SCIENCE
 Summary: Students build and experiment with three-dimensional models of skate park equipment to explore the physics of skateboarding. (9781573363808-INT946)

Common Core State Standards

Language Arts

Grade: 8 - Adopted 2010

STRAND / DOMAIN	CCSS.ELA-Literacy.W.8	Writing Standards
CATEGORY / CLUSTER		Text Types and Purposes
STANDARD	CCSS.ELA-Literacy.W.8.2	Write informative/explanatory texts to examine a topic and convey ideas, concepts, and information through the selection, organization, and analysis of relevant content.
EXPECTATION	CCSS.ELA-Literacy.W.8.2b	Develop the topic with relevant, well-chosen facts, definitions, concrete details, quotations, or other information and examples.
STRAND / DOMAIN	CCSS.ELA-Literacy.W.8	Writing Standards
CATEGORY / CLUSTER		Production and Distribution of Writing
STANDARD	CCSS.ELA-Literacy.W.8.4	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.)
STRAND / DOMAIN	CCSS.ELA-Literacy.W.8	Writing Standards
CATEGORY / CLUSTER		Research to Build and Present Knowledge
STANDARD	CCSS.ELA-Literacy.W.8.7	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.
STANDARD	CCSS.ELA-Literacy.W.8.8	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.
STRAND / DOMAIN	CCSS.ELA-Literacy.W.8	Writing Standards
CATEGORY / CLUSTER		Range of Writing
STANDARD	CCSS.ELA-Literacy.W.8.10	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.
STRAND / DOMAIN	CCSS.ELA-Literacy.SL.8	Speaking and Listening Standards
CATEGORY / CLUSTER		Comprehension and Collaboration
STANDARD	CCSS.ELA-Literacy.SL.8.1	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.

EXPECTATION	CCSS.ELA-Literacy.SL.8.1a	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.
EXPECTATION	CCSS.ELA-Literacy.SL.8.1b	Follow rules for collegial discussions and decision-making, track progress toward specific goals and deadlines, and define individual roles as needed.
EXPECTATION	CCSS.ELA-Literacy.SL.8.1c	Pose questions that connect the ideas of several speakers and respond to others' questions and comments with relevant evidence, observations, and ideas.
EXPECTATION	CCSS.ELA-Literacy.SL.8.1d	Acknowledge new information expressed by others, and, when warranted, qualify or justify their own views in light of the evidence presented.

Grade: 9 - Adopted 2010

STRAND / DOMAIN	CCSS.ELA-Literacy.RI.9-10	Reading Standards for Informational Text
CATEGORY / CLUSTER		Integration of Knowledge and Ideas
STANDARD	CCSS.ELA-Literacy.RI.9-10.9	Analyze seminal U.S. documents of historical and literary significance (e.g., Washington's Farewell Address, the Gettysburg Address, Roosevelt's Four Freedoms speech, King's "Letter from Birmingham Jail"), including how they address related themes and concepts
STRAND / DOMAIN	CCSS.ELA-Literacy.W.9-10	Writing Standards
CATEGORY / CLUSTER		Text Types and Purposes
STANDARD	CCSS.ELA-Literacy.W.9-10.2	Write informative/explanatory texts to examine and convey complex ideas, concepts, and information clearly and accurately through the effective selection, organization, and analysis of content.
EXPECTATION	CCSS.ELA-Literacy.W.9-10.2b	Develop the topic with well-chosen, relevant, and sufficient facts, extended definitions, concrete details, quotations, or other information and examples appropriate to the audience's knowledge of the topic.
STRAND / DOMAIN	CCSS.ELA-Literacy.W.9-10	Writing Standards
CATEGORY / CLUSTER		Production and Distribution of Writing
STANDARD	CCSS.ELA-Literacy.W.9-10.4	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.)
STRAND / DOMAIN	CCSS.ELA-Literacy.W.9-10	Writing Standards
CATEGORY / CLUSTER		Research to Build and Present Knowledge
STANDARD	CCSS.ELA-Literacy.W.9-10.7	Conduct short as well as more sustained research projects to answer a question (including a self-generated question) or solve a problem; narrow or broaden the inquiry when appropriate; synthesize multiple sources on the subject, demonstrating understanding of the subject under investigation.
STANDARD	CCSS.ELA-Literacy.W.9-10.8	Gather relevant information from multiple authoritative print and digital sources, using advanced searches effectively; assess the usefulness of each source in answering the research question; integrate information into the text selectively to maintain the flow of ideas, avoiding plagiarism and following a standard format for citation.
STRAND / DOMAIN	CCSS.ELA-Literacy.W.9-10	Writing Standards
CATEGORY / CLUSTER		Range of Writing
STANDARD	CCSS.ELA-Literacy.W.9-10.10	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 tasks, purposes, and audiences.
STRAND / DOMAIN	CCSS.ELA-Literacy.SL.9-10	Speaking and Listening Standards
CATEGORY / CLUSTER		Comprehension and Collaboration
STANDARD	CCSS.ELA-Literacy.SL.9-10.1	Initiate and participate effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners on grades 9-10 topics, texts, and issues, building on others' ideas and expressing their own clearly and persuasively.

EXPECTATION	CCSS.ELA-Literacy.SL.9-10.1a	Come to discussions prepared, having read and researched material under study; explicitly draw on that preparation by referring to evidence from texts and other research on the topic or issue to stimulate a thoughtful, well-reasoned exchange of ideas.
EXPECTATION	CCSS.ELA-Literacy.SL.9-10.1b	Work with peers to set rules for collegial discussions and decision-making (e.g., informal consensus, taking votes on key issues, presentation of alternate views), clear goals and deadlines, and individual roles as needed.
EXPECTATION	CCSS.ELA-Literacy.SL.9-10.1c	Propel conversations by posing and responding to questions that relate the current discussion to broader themes or larger ideas; actively incorporate others into the discussion; and clarify, verify, or challenge ideas and conclusions.
EXPECTATION	CCSS.ELA-Literacy.SL.9-10.1d	Respond thoughtfully to diverse perspectives, summarize points of agreement and disagreement, and, when warranted, qualify or justify their own views and understanding and make new connections in light of the evidence and reasoning presented.

Science

Grade: 8 - Adopted 2010

STRAND / DOMAIN	CCSS.ELA-Literacy.RST.6-8	Reading Standards for Literacy in Science and Technical Subjects
CATEGORY / CLUSTER		Key Ideas and Details
STANDARD	CCSS.ELA-Literacy.RST.6-8.2	Determine the central ideas or conclusions of a text; provide an accurate summary of the text distinct from prior knowledge or opinions.
STANDARD	CCSS.ELA-Literacy.RST.6-8.3	Follow precisely a multistep procedure when carrying out experiments, taking measurements, or performing technical tasks.
STRAND / DOMAIN	CCSS.ELA-Literacy.RST.6-8	Reading Standards for Literacy in Science and Technical Subjects
CATEGORY / CLUSTER		Craft and Structure
STANDARD	CCSS.ELA-Literacy.RST.6-8.4	Determine the meaning of symbols, key terms, and other domain-specific words and phrases as they are used in a specific scientific or technical context relevant to grades 6-8 texts and topics.
STANDARD	CCSS.ELA-Literacy.RST.6-8.5	Analyze the structure an author uses to organize a text, including how the major sections contribute to the whole and to an understanding of the topic.
STRAND / DOMAIN	CCSS.ELA-Literacy.RST.6-8	Reading Standards for Literacy in Science and Technical Subjects
CATEGORY / CLUSTER		Integration of Knowledge and Ideas
STANDARD	CCSS.ELA-Literacy.RST.6-8.7	Integrate quantitative or technical information expressed in words in a text with a version of that information expressed visually (e.g., in a flowchart, diagram, model, graph, or table).
STANDARD	CCSS.ELA-Literacy.RST.6-8.9	Compare and contrast the information gained from experiments, simulations, video, or multimedia sources with that gained from reading a text on the same topic.
STRAND / DOMAIN	CCSS.ELA-Literacy.RST.6-8	Reading Standards for Literacy in Science and Technical Subjects
CATEGORY / CLUSTER		Range of Reading and Level of Text Complexity
STANDARD	CCSS.ELA-Literacy.RST.6-8.10	By the end of grade 8, read and comprehend science/technical texts in the grades 6-8 text complexity band independently and proficiently.
STRAND / DOMAIN	CCSS.ELA-Literacy.WHST.6-8	Writing Standards for Literacy in Science and Technical Subjects
CATEGORY / CLUSTER		Text Types and Purposes
STANDARD	CCSS.ELA-Literacy.WHST.6-8.1	Write arguments focused on discipline-specific content.
EXPECTATION	CCSS.ELA-	Introduce claim(s) about a topic or issue, acknowledge and distinguish the

	Literacy.WHST.6-8.1a	claim(s) from alternate or opposing claims, and organize the reasons and evidence logically.
EXPECTATION	CCSS.ELA-Literacy.WHST.6-8.1c	Use words, phrases, and clauses to create cohesion and clarify the relationships among claim(s), counterclaims, reasons, and evidence.
EXPECTATION	CCSS.ELA-Literacy.WHST.6-8.1d	Establish and maintain a formal style.
EXPECTATION	CCSS.ELA-Literacy.WHST.6-8.1e	Provide a concluding statement or section that follows from and supports the argument presented.
STRAND / DOMAIN	CCSS.ELA-Literacy.WHST.6-8	Writing Standards for Literacy in Science and Technical Subjects
CATEGORY / CLUSTER		Text Types and Purposes
STANDARD	CCSS.ELA-Literacy.WHST.6-8.2	Write informative/explanatory texts, including the narration of historical events, scientific procedures/ experiments, or technical processes.
EXPECTATION	CCSS.ELA-Literacy.WHST.6-8.2a	Introduce a topic clearly, previewing what is to follow; organize ideas, concepts, and information into broader categories as appropriate to achieving purpose; include formatting (e.g., headings), graphics (e.g., charts, tables), and multimedia when useful to aiding comprehension.
EXPECTATION	CCSS.ELA-Literacy.WHST.6-8.2b	Develop the topic with relevant, well-chosen facts, definitions, concrete details, quotations, or other information and examples.
EXPECTATION	CCSS.ELA-Literacy.WHST.6-8.2c	Use appropriate and varied transitions to create cohesion and clarify the relationships among ideas and concepts.
EXPECTATION	CCSS.ELA-Literacy.WHST.6-8.2d	Use precise language and domain-specific vocabulary to inform about or explain the topic.
EXPECTATION	CCSS.ELA-Literacy.WHST.6-8.2e	Establish and maintain a formal style and objective tone.
EXPECTATION	CCSS.ELA-Literacy.WHST.6-8.2f	Provide a concluding statement or section that follows from and supports the information or explanation presented.
STRAND / DOMAIN	CCSS.ELA-Literacy.WHST.6-8	Writing Standards for Literacy in Science and Technical Subjects
CATEGORY / CLUSTER		Text Types and Purposes
STANDARD	CCSS.ELA-Literacy.WHST.6-8.3	(See note; not applicable as a separate requirement)
EXPECTATION	CCSS.ELA-Literacy.WHST.6-8.3a	Note: Students' narrative skills continue to grow in these grades. The Standards require that students be able to incorporate narrative elements effectively into arguments and informative/explanatory texts. In science and technical subjects, students must be able to write precise enough descriptions of the step-by-step procedures they use in their investigations or technical work that others can replicate them and (possibly) reach the same results.
STRAND / DOMAIN	CCSS.ELA-Literacy.WHST.6-8	Writing Standards for Literacy in Science and Technical Subjects
CATEGORY / CLUSTER		Production and Distribution of Writing
STANDARD	CCSS.ELA-Literacy.WHST.6-8.4	Produce clear and coherent writing in which the development, organization, and style are appropriate to task, purpose, and audience.
STANDARD	CCSS.ELA-Literacy.WHST.6-8.5	With some guidance and support from peers and adults, develop and strengthen writing as needed by planning, revising, editing, rewriting, or trying a new approach, focusing on how well purpose and audience have been addressed.
STANDARD	CCSS.ELA-	Use technology, including the Internet, to produce and publish writing and

	Literacy.WHST.6-8.6	present the relationships between information and ideas clearly and efficiently.
STRAND / DOMAIN	CCSS.ELA-Literacy.WHST.6-8	Writing Standards for Literacy in Science and Technical Subjects
CATEGORY / CLUSTER		Research to Build and Present Knowledge
STANDARD	CCSS.ELA-Literacy.WHST.6-8.7	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.
STANDARD	CCSS.ELA-Literacy.WHST.6-8.8	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.
STANDARD	CCSS.ELA-Literacy.WHST.6-8.9	Draw evidence from informational texts to support analysis reflection, and research.
STRAND / DOMAIN	CCSS.ELA-Literacy.WHST.6-8	Writing Standards for Literacy in Science and Technical Subjects
CATEGORY / CLUSTER		Range of Writing
STANDARD	CCSS.ELA-Literacy.WHST.6-8.10	Write routinely over extended time frames (time for 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.

Grade: 9 - Adopted 2010

STRAND / DOMAIN	CCSS.ELA-Literacy.RST.9-10	Reading Standards for Literacy in Science and Technical Subjects
CATEGORY / CLUSTER		Key Ideas and Details
STANDARD	CCSS.ELA-Literacy.RST.9-10.2	Determine the central ideas or conclusions of a text; trace the text's explanation or depiction of a complex process, phenomenon, or concept; provide an accurate summary of the text.
STANDARD	CCSS.ELA-Literacy.RST.9-10.3	Follow precisely a complex multistep procedure when carrying out experiments, taking measurements, or performing technical tasks attending to special cases or exceptions defined in the text.
STRAND / DOMAIN	CCSS.ELA-Literacy.RST.9-10	Reading Standards for Literacy in Science and Technical Subjects
CATEGORY / CLUSTER		Craft and Structure
STANDARD	CCSS.ELA-Literacy.RST.9-10.4	Determine the meaning of symbols, key terms, and other domain-specific words and phrases as they are used in a specific scientific or technical context relevant to grades 9-10 texts and topics.
STANDARD	CCSS.ELA-Literacy.RST.9-10.5	Analyze the structure of the relationships among concepts in a text, including relationships among key terms (e.g., force, friction, reaction force, energy).
STRAND / DOMAIN	CCSS.ELA-Literacy.RST.9-10	Reading Standards for Literacy in Science and Technical Subjects
CATEGORY / CLUSTER		Integration of Knowledge and Ideas
STANDARD	CCSS.ELA-Literacy.RST.9-10.7	Translate quantitative or technical information expressed in words in a text into visual form (e.g., a table or chart) and translate information expressed visually or mathematically (e.g., in an equation) into words.
STANDARD	CCSS.ELA-Literacy.RST.9-10.9	Compare and contrast findings presented in a text to those from other sources (including their own experiments), noting when the findings support or contradict previous explanations or accounts.
STRAND / DOMAIN	CCSS.ELA-Literacy.RST.9-10	Reading Standards for Literacy in Science and Technical Subjects
CATEGORY / CLUSTER		Range of Reading and Level of Text Complexity

STANDARD	CCSS.ELA-Literacy.RST.9-10.10	By the end of grade 10, read and comprehend science/technical texts in the grades 9-10 text complexity band independently and proficiently.
STRAND / DOMAIN	CCSS.ELA-Literacy.WHST.9-10	Writing Standards for Literacy in Science and Technical Subjects
CATEGORY / CLUSTER		Text Types and Purposes
STANDARD	CCSS.ELA-Literacy.WHST.9-10.1	Write arguments focused on discipline-specific content.
EXPECTATION	CCSS.ELA-Literacy.WHST.9-10.1a	Introduce precise claim(s), distinguish the claim(s) from alternate or opposing claims, and create an organization that establishes clear relationships among the claim(s), counterclaims, reasons, and evidence.
EXPECTATION	CCSS.ELA-Literacy.WHST.9-10.1c	Use words, phrases, and clauses to link the major sections of the text, create cohesion, and clarify the relationships between claim(s) and reasons, between reasons and evidence, and between claim(s) and counterclaims.
EXPECTATION	CCSS.ELA-Literacy.WHST.9-10.1d	Establish and maintain a formal style and objective tone while attending to the norms and conventions of the discipline in which they are writing.
EXPECTATION	CCSS.ELA-Literacy.WHST.9-10.1e	Provide a concluding statement or section that follows from or supports the argument presented.
STRAND / DOMAIN	CCSS.ELA-Literacy.WHST.9-10	Writing Standards for Literacy in Science and Technical Subjects
CATEGORY / CLUSTER		Text Types and Purposes
STANDARD	CCSS.ELA-Literacy.WHST.9-10.2	Write informative/explanatory texts, including the narration of historical events, scientific procedures/ experiments, or technical processes.
EXPECTATION	CCSS.ELA-Literacy.WHST.9-10.2a	Introduce a topic and organize ideas, concepts, and information to make important connections and distinctions; include formatting (e.g., headings), graphics (e.g., figures, tables), and multimedia when useful to aiding comprehension.
EXPECTATION	CCSS.ELA-Literacy.WHST.9-10.2b	Develop the topic with well-chosen, relevant, and sufficient facts, extended definitions, concrete details, quotations, or other information and examples appropriate to the audience's knowledge of the topic.
EXPECTATION	CCSS.ELA-Literacy.WHST.9-10.2c	Use varied transitions and sentence structures to link the major sections of the text, create cohesion, and clarify the relationships among ideas and concepts.
EXPECTATION	CCSS.ELA-Literacy.WHST.9-10.2d	Use precise language and domain-specific vocabulary to manage the complexity of the topic and convey a style appropriate to the discipline and context as well as to the expertise of likely readers.
EXPECTATION	CCSS.ELA-Literacy.WHST.9-10.2e	Establish and maintain a formal style and objective tone while attending to the norms and conventions of the discipline in which they are writing.
EXPECTATION	CCSS.ELA-Literacy.WHST.9-10.2f	Provide a concluding statement or section that follows from and supports the information or explanation presented (e.g., articulating implications or the significance of the topic).
STRAND / DOMAIN	CCSS.ELA-Literacy.WHST.9-10	Writing Standards for Literacy in Science and Technical Subjects
CATEGORY / CLUSTER		Text Types and Purposes
STANDARD	CCSS.ELA-Literacy.WHST.9-10.3	(See note; not applicable as a separate requirement)
EXPECTATION	CCSS.ELA-Literacy.WHST.9-10.3a	Note: Students' narrative skills continue to grow in these grades. The Standards require that students be able to incorporate narrative elements effectively into arguments and informative/explanatory texts. In science and technical subjects, students must be able to write precise enough descriptions of the step-by-step procedures they use in their investigations or technical work that others can replicate them and (possibly) reach the same results.
STRAND /	CCSS.ELA-	Writing Standards for Literacy in Science and Technical Subjects

DOMAIN	Literacy.WHST.9-10	
CATEGORY / CLUSTER		Production and Distribution of Writing
STANDARD	CCSS.ELA-Literacy.WHST.9-10.4	Produce clear and coherent writing in which the development, organization, and style are appropriate to task, purpose, and audience.
STANDARD	CCSS.ELA-Literacy.WHST.9-10.5	Develop and strengthen writing as needed by planning, revising, editing, rewriting, or trying a new approach, focusing on addressing what is most significant for a specific purpose and audience.
STRAND / DOMAIN	CCSS.ELA-Literacy.WHST.9-10	Writing Standards for Literacy in Science and Technical Subjects
CATEGORY / CLUSTER		Research to Build and Present Knowledge
STANDARD	CCSS.ELA-Literacy.WHST.9-10.7	Conduct short as well as more sustained research projects to answer a question (including a self-generated question) or solve a problem; narrow or broaden the inquiry when appropriate; synthesize multiple sources on the subject, demonstrating understanding of the subject under investigation.
STANDARD	CCSS.ELA-Literacy.WHST.9-10.8	Gather relevant information from multiple authoritative print and digital sources, using advanced searches effectively; assess the usefulness of each source in answering the research question; integrate information into the text selectively to maintain the flow of ideas, avoiding plagiarism and following a standard format for citation.
STANDARD	CCSS.ELA-Literacy.WHST.9-10.9	Draw evidence from informational texts to support analysis, reflection, and research.
STRAND / DOMAIN	CCSS.ELA-Literacy.WHST.9-10	Writing Standards for Literacy in Science and Technical Subjects
CATEGORY / CLUSTER		Range of Writing
STANDARD	CCSS.ELA-Literacy.WHST.9-10.10	Write routinely over extended time frames (time for 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.