



# Grades K-2 English Language Arts Common Core State Standards\* and Next Generation Science Standards\*\*

ENGLISH LANGUAGE ARTS STANDARDS			
KINDERGARTEN	Activity 1	Activity 2	Activity 3
<b>READING: INFORMATIONAL TEXT</b>			
<b>Key Ideas and Details:</b> CCSS.ELA-LITERACY.RI.K.3 With prompting and support, describe the connection between two individuals, events, ideas, or pieces of information in a text.	✓	✓	✓
<b>Craft and Structure:</b> CCSS.ELA-LITERACY.RI.K.4 With prompting and support, ask and answer questions about unknown words in a text.	✓	✓	✓
<b>Integration of Knowledge and Ideas:</b> CCSS.ELA-LITERACY.RI.K.7 With prompting and support, describe the relationship between illustrations and the text in which they appear (e.g., what person, place, thing, or idea in the text an illustration depicts).	✓	✓	✓
<b>READING: FOUNDATIONAL SKILLS</b>			
<b>Print Concepts:</b> CCSS.ELA-LITERACY.RF.K.1 Demonstrate understanding of the organization and basic features of print.	✓	✓	✓
<b>Phonological Awareness:</b> CCSS.ELA-LITERACY.RF.K.2 Demonstrate understanding of spoken words, syllables, and sounds (phonemes).	✓	✓	✓
<b>Phonics and Word Recognition:</b> CCSS.ELA-LITERACY.RF.K.3 Know and apply grade-level phonics and word analysis skills in decoding words.	✓	✓	✓
<b>WRITING</b>			
<b>Text Types and Purposes:</b> CCSS.ELA-LITERACY.W.K.3 Use a combination of drawing, dictating, and writing to narrate a single event or several loosely linked events, tell about the events in the order in which they occurred, and provide a reaction to what happened.	✓	✓	✓
<b>Research to Build and Present Knowledge:</b> CCSS.ELA-LITERACY.W.K.8 With guidance and support from adults, recall information from experiences or gather information from provided sources to answer a question.	✓	✓	✓

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 \*\* NGSS Lead States. 2013. Next Generation Science Standards: For States, By States. Washington, DC: The National Academies Press.

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	Activity 1	Activity 2	Activity 3
<b>SPEAKING &amp; LISTENING</b>			
<b>Comprehension and Collaboration:</b> CCSS.ELA-LITERACY.SL.K.1 Participate in collaborative conversations with diverse partners about kindergarten topics and texts with peers and adults in small and larger groups. CCSS.ELA-LITERACY.SL.K.2 Confirm understanding of a text read aloud or information presented orally or through other media by asking and answering questions about key details and requesting clarification if something is not understood.	✓  ✓	✓  ✓	✓  ✓
<b>Presentation of Knowledge and Ideas:</b> CCSS.ELA-LITERACY.SL.K.4 Describe familiar people, places, things, and events and, with prompting and support, provide additional detail. CCSS.ELA-LITERACY.SL.K.5 Add drawings or other visual displays to descriptions as desired to provide additional detail. CCSS.ELA-LITERACY.SL.K.6 Speak audibly and express thoughts, feelings, and ideas clearly.	✓  ✓  ✓	✓  ✓  ✓	✓  ✓  ✓
<b>LANGUAGE</b>			
<b>Conventions of Standard English:</b> CCSS.ELA-LITERACY.L.K.1 Demonstrate command of the conventions of standard English grammar and usage when writing or speaking. CCSS.ELA-LITERACY.L.K.2 Demonstrate command of the conventions of standard English capitalization, punctuation, and spelling when writing.	✓  ✓	✓  ✓	✓  ✓
<b>Vocabulary Acquisition and Use:</b> CCSS.ELA-LITERACY.L.K.4 Determine or clarify the meaning of unknown and multiple-meaning words and phrases based on kindergarten reading and content.	✓	✓	✓
<b>FIRST GRADE</b>	<b>Activity 1</b>	<b>Activity 2</b>	<b>Activity 3</b>
<b>READING: INFORMATIONAL TEXT</b>			
<b>Key Ideas and Details:</b> CCSS.ELA-LITERACY.RI.1.1 Ask and answer questions about key details in a text. CCSS.ELA-LITERACY.RI.1.3 Describe the connection between two individuals, events, ideas, or pieces of information in a text.	✓  ✓	✓  ✓	✓  ✓
<b>Craft and Structure:</b> CCSS.ELA-LITERACY.RI.1.4 Ask and answer questions to help determine or clarify the meaning of words and phrases in a text. CCSS.ELA-LITERACY.RI.1.6 Distinguish between information provided by pictures or other illustrations and information provided by the words in a text.	✓  ✓	✓  ✓	✓  ✓

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	Activity 1	Activity 2	Activity 3
<b>READING: FOUNDATIONAL SKILLS</b>			
<b>Print Concepts:</b> CCSS.ELA-LITERACY.RF.1.1 Demonstrate understanding of the organization and basic features of print.	√	√	√
<b>Phonological Awareness:</b> CCSS.ELA-LITERACY.RF.1.2 Demonstrate understanding of spoken words, syllables, and sounds (phonemes).	√	√	√
<b>Phonics and Word Recognition:</b> CCSS.ELA-LITERACY.RF.1.3 Know and apply grade-level phonics and word analysis skills in decoding words.	√	√	√
<b>Fluency:</b> CCSS.ELA-LITERACY.RF.1.4 Read with sufficient accuracy and fluency to support comprehension.	√	√	√
<b>WRITING</b>			
<b>Research to Build and Present Knowledge:</b> CCSS.ELA-LITERACY.W.1.8 With guidance and support from adults, recall information from experiences or gather information from provided sources to answer a question.	√	√	√
<b>SPEAKING &amp; LISTENING</b>			
<b>Comprehension and Collaboration:</b> CCSS.ELA-LITERACY.SL.1.1 Participate in collaborative conversations with diverse partners about grade 1 topics and texts with peers and adults in small and larger groups. CCSS.ELA-LITERACY.SL.1.2 Ask and answer questions about key details in a text read aloud or information presented orally or through other media.	√ √	√ √	√ √
<b>Presentation of Knowledge and Ideas:</b> CCSS.ELA-LITERACY.SL.1.4 Describe people, places, things, and events with relevant details, expressing ideas and feelings clearly. CCSS.ELA-LITERACY.SL.1.5 Add drawings or other visual displays to descriptions when appropriate to clarify ideas, thoughts, and feelings. CCSS.ELA-LITERACY.SL.1.6 Produce complete sentences when appropriate to task and situation.	√ √ √	√ √ √	√ √ √
<b>LANGUAGE</b>			
<b>Conventions of Standard English:</b> CCSS.ELA-LITERACY.L.1.1 Demonstrate command of the conventions of standard English grammar and usage when writing or speaking. CCSS.ELA-LITERACY.L.1.2 Demonstrate command of the conventions of standard English capitalization, punctuation, and spelling when writing.	√ √	√ √	√ √
<b>Vocabulary Acquisition and Use:</b> CCSS.ELA-LITERACY.L.1.4 Determine or clarify the meaning of unknown and multiple-meaning words and phrases based on grade 1 reading and content, choosing flexibly from an array of strategies.	√	√	√

# Grades K-2 English Language Arts Common Core State Standards\* and Next Generation Science Standards\*\*

SECOND GRADE	Activity 1	Activity 2	Activity 3
<b>READING: INFORMATIONAL TEXT</b>			
<b>Key Ideas and Details:</b> CCSS.ELA-LITERACY.RI.2.3 Describe the connection between a series of historical events, scientific ideas or concepts, or steps in technical procedures in a text.	✓	✓	✓
<b>Craft and Structure:</b> CCSS.ELA-LITERACY.RI.2.4 Determine the meaning of words and phrases in a text relevant to a grade 2 topic or subject area.	✓	✓	✓
<b>Integration of Knowledge and Ideas:</b> CCSS.ELA-LITERACY.RI.2.7 Explain how specific images (e.g., a diagram showing how a machine works) contribute to and clarify a text.	✓	✓	✓
<b>READING: FOUNDATIONAL SKILLS</b>			
<b>Phonics and Word Recognition:</b> CCSS.ELA-LITERACY.RF.2.3 Know and apply grade-level phonics and word analysis skills in decoding words.	✓	✓	✓
<b>Fluency:</b> CCSS.ELA-LITERACY.RF.2.4 Read with sufficient accuracy and fluency to support comprehension.	✓	✓	✓
<b>WRITING</b>			
<b>Research to Build and Present Knowledge:</b> CCSS.ELA-LITERACY.W.2.7 Participate in shared research and writing projects (e.g., read a number of books on a single topic to produce a report; record science observations). CCSS.ELA-LITERACY.W.2.8 Recall information from experiences or gather information from provided sources to answer a question.	✓ ✓	✓ ✓	✓ ✓
<b>SPEAKING &amp; LISTENING</b>			
<b>Comprehension and Collaboration:</b> CCSS.ELA-LITERACY.SL.2.1 Participate in collaborative conversations with diverse partners about grade 2 topics and texts with peers and adults in small and larger groups. CCSS.ELA-LITERACY.SL.2.2 Recount or describe key ideas or details from a text read aloud or information presented orally or through other media. CCSS.ELA-LITERACY.SL.2.3 Ask and answer questions about what a speaker says in order to clarify comprehension, gather additional information, or deepen understanding of a topic or issue.	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓
<b>Presentation of Knowledge and Ideas:</b> CCSS.ELA-LITERACY.SL.2.4 Tell a story or recount an experience with appropriate facts and relevant, descriptive details, speaking audibly in coherent sentences. CCSS.ELA-LITERACY.SL.2.5 Create audio recordings of stories or poems; add drawings or other visual displays to stories or recounts of experiences when appropriate to clarify ideas, thoughts, and feelings. CCSS.ELA-LITERACY.SL.2.6 Produce complete sentences when appropriate to task and situation in order to provide requested detail or clarification.	✓ ✓ ✓	✓ ✓ ✓	✓ ✓ ✓

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	Activity 1	Activity 2	Activity 3
<b>LANGUAGE</b>			
<b>Conventions of Standard English:</b> CCSS.ELA-LITERACY.L.2.1 Demonstrate command of the conventions of standard English grammar and usage when writing or speaking. CCSS.ELA-LITERACY.L.2.2 Demonstrate command of the conventions of standard English capitalization, punctuation, and spelling when writing.	✓  ✓	✓  ✓	✓  ✓
<b>Knowledge of Language</b> CCSS.ELA-LITERACY.L.2.3 Use knowledge of language and its conventions when writing, speaking, reading, or listening.	✓	✓	✓
<b>Vocabulary Acquisition and Use:</b> CCSS.ELA-LITERACY.L.2.4 Determine or clarify the meaning of unknown and multiple-meaning words and phrases based on grade 2 reading and content, choosing flexibly from an array of strategies.	✓	✓	✓

# Grades K-2 English Language Arts Common Core State Standards\* and Next Generation Science Standards\*\*

<b>NEXT GENERATION SCIENCE STANDARDS</b>			
<b>KINDERGARTEN</b>	<b>Activity 1</b>	<b>Activity 2</b>	<b>Activity 3</b>
<b>K-PS2-1 Motion and Stability: Forces and Interactions</b> Plan and conduct an investigation to compare the effects of different strengths or different directions of pushes and pulls on the motion of an object.	✓		
<b>K-PS2-2 Motion and Stability: Forces and Interactions</b> Analyze data to determine if a design solution works as intended to change the speed or direction of an object with a push or a pull.	✓		
<b>K-2-ETS1-1 Engineering Design</b> Ask questions, make observations, and gather information about a situation people want to change to define a simple problem that can be solved through the development of a new or improved object or tool.	✓		✓
<b>K-2-ETS1-2 Engineering Design</b> Develop a simple sketch, drawing, or physical model to illustrate how the shape of an object helps it function as needed to solve a given problem.	✓	✓	✓
<b>K-2-ETS1-3 Engineering Design</b> Analyze data from tests of two objects designed to solve the same problem to compare the strengths and weaknesses of how each performs.	✓		
<b>FIRST GRADE</b>	<b>Activity 1</b>	<b>Activity 2</b>	<b>Activity 3</b>
<b>K-2-ETS1-1 Engineering Design</b> Ask questions, make observations, and gather information about a situation people want to change to define a simple problem that can be solved through the development of a new or improved object or tool.	✓		✓
<b>K-2-ETS1-2 Engineering Design</b> Develop a simple sketch, drawing, or physical model to illustrate how the shape of an object helps it function as needed to solve a given problem.	✓	✓	✓
<b>K-2-ETS1-3 Engineering Design</b> Analyze data from tests of two objects designed to solve the same problem to compare the strengths and weaknesses of how each performs.	✓		
<b>SECOND GRADE</b>	<b>Activity 1</b>	<b>Activity 2</b>	<b>Activity 3</b>
<b>K-2-ETS1-1 Engineering Design</b> Ask questions, make observations, and gather information about a situation people want to change to define a simple problem that can be solved through the development of a new or improved object or tool.	✓		✓
<b>K-2-ETS1-2 Engineering Design</b> Develop a simple sketch, drawing, or physical model to illustrate how the shape of an object helps it function as needed to solve a given problem.	✓	✓	✓
<b>K-2-ETS1-3 Engineering Design</b> Analyze data from tests of two objects designed to solve the same problem to compare the strengths and weaknesses of how each performs.	✓		

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