

SOLAR SCIENCE WITH THE PEANUTS GANG!

Grades K-6 English Language Arts Common Core State Standards* and Next Generation Science Standards**

ENGLISH LANGUAGE ARTS STANDARDS*			
KINDERGARTEN	Activity 1	Activity 2	Activity 3
LANGUAGE			
Conventions of Standard English: <u>CCSS.ELA-LITERACY.L.K.1.</u> Demonstrate command of the conventions of standard English grammar and usage when writing or speaking.	√	√	√
WRITING			
Research to Build and Present Knowledge: <u>CCSS.ELA-LITERACY.W.K.8.</u> With guidance and support from adults, recall information from experiences or gather information from provided sources to answer a question.	√	√	√
SPEAKING & LISTENING			
Comprehension and Collaboration: <u>CCSS.ELA-LITERACY.SL.K.1.</u> Participate in collaborative conversations with diverse partners about kindergarten topics and texts with peers and adults in small and larger groups.	√	√	√
<u>CCSS.ELA-LITERACY.SL.K.2.</u> 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.	√	√	√
READING: INFORMATIONAL TEXT			
Key Ideas and Details: <u>CCSS.ELA-LITERACY.RI.K.3.</u> With prompting and support, describe the connection between two individuals, events, ideas, or pieces of information in a text.	√	√	√
READING: FOUNDATIONAL SKILLS			
Print Concepts: <u>CCSS.ELA-LITERACY.RF.K.1.</u> Demonstrate understanding of the organization and basic features of print.	√	√	√

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

ENGLISH LANGUAGE ARTS STANDARDS*

FIRST GRADE	Activity 1	Activity 2	Activity 3
LANGUAGE			
Conventions of Standard English: <u>CCSS.ELA-LITERACY.L.1.1.</u> Demonstrate command of the conventions of standard English grammar and usage when writing or speaking.	√	√	√
WRITING			
Research to Build and Present Knowledge: <u>CCSS.ELA-LITERACY.W.1.8.</u> With guidance and support from adults, recall information from experiences or gather information from provided sources to answer a question.	√	√	√
SPEAKING & LISTENING			
Comprehension and Collaboration: <u>CCSS.ELA-LITERACY.SL.1.1.</u> Participate in collaborative conversations with diverse partners about grade 1 topics and texts with peers and adults in small and larger groups.	√	√	√
<u>CCSS.ELA-LITERACY.SL.1.2.</u> Ask and answer questions about key details in a text read aloud or information presented orally or through other media.	√	√	√
READING: INFORMATIONAL TEXT			
Key Ideas and Details: <u>CCSS.ELA-LITERACY.RI.1.3.</u> Describe the connection between two individuals, events, ideas, or pieces of information in a text.	√	√	√
READING: FOUNDATIONAL SKILLS			
Print Concepts: <u>CCSS.ELA-LITERACY.RF.1.1.</u> Demonstrate understanding of the organization and basic features of print.	√	√	√

ENGLISH LANGUAGE ARTS STANDARDS*

SECOND GRADE	Activity 1	Activity 2	Activity 3
LANGUAGE			
Conventions of Standard English: <u>CCSS.ELA-LITERACY.L.2.1.</u> Demonstrate command of the conventions of standard English grammar and usage when writing or speaking.	√	√	√
WRITING			
Research to Build and Present Knowledge: <u>CCSS.ELA-LITERACY.W.2.8.</u> Recall information from experiences or gather information from provided sources to answer a question.	√	√	√
SPEAKING & LISTENING			
Comprehension and Collaboration: <u>CCSS.ELA-LITERACY.SL.2.1.</u> Participate in collaborative conversations with diverse partners about grade 2 topics and texts with peers and adults in small and larger groups.	√	√	√
<u>CCSS.ELA-LITERACY.SL.2.2.</u> Recount or describe key ideas or details from a text read aloud or information presented orally or through other media.	√	√	√
READING: INFORMATIONAL TEXT			
Key Ideas and Details: <u>CCSS.ELA-LITERACY.RI.2.3.</u> Describe the connection between a series of historical events, scientific ideas or concepts, or steps in technical procedures in a text.	√	√	√
READING: FOUNDATIONAL SKILLS			
Fluency: <u>CCSS.ELA-LITERACY.RF.2.4.</u> Read with sufficient accuracy and fluency to support comprehension.	√	√	√

NEXT GENERATION SCIENCE STANDARDS**

Kindergarten, First, and Second Grade	Activity 1	Activity 2	Activity 3
K-2-ETS1-1 Engineering Design 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.	√	√	

ENGLISH LANGUAGE ARTS*

THIRD GRADE

Activity 1

Activity 2

Activity 3

LANGUAGE

Knowledge of Language:

CCSS.ELA-LITERACY.L.3.3. Use knowledge of language and its conventions when writing, speaking, reading, or listening.

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WRITING

Production and Distribution of Writing:

CCSS.ELA-LITERACY.W.3.4. With guidance and support from adults, produce writing in which the development and organization are appropriate to task and purpose.

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SPEAKING AND LISTENING

Comprehension and Collaboration:

CCSS.ELA-LITERACY.SL.3.1. Engage effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners on grade 3 topics, texts and issues, building on others' ideas and expressing their own clearly.

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READING INFORMATIONAL TEXT

Range of Reading and Level of Text Complexity:

CCSS.ELA-LITERACY.RI.3.10. 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 2-3 text complexity band independently and proficiently.

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ENGLISH LANGUAGE ARTS*

FOURTH GRADE

Activity 1

Activity 2

Activity 3

LANGUAGE

Knowledge of Language:

CCSS.ELA-LITERACY.L.4.3. Use knowledge of language and its conventions when writing, speaking, reading, or listening.

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WRITING

Production and Distribution of Writing:

CCSS.ELA-LITERACY.W.4.4. Produce clear and coherent writing in which the development and organization are appropriate to task, purpose, and audience.

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SPEAKING AND LISTENING

Comprehension and Collaboration:

CCSS.ELA-LITERACY.SL.4.1. Engage effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners on grade 4 topics, texts and issues, building on others' ideas and expressing their own clearly.

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READING INFORMATIONAL TEXT

Range of Reading and Level of Text Complexity:

CCSS.ELA-LITERACY.RI.4.10. By the end of year, read and comprehend informational texts, including history/social studies, science, and technical texts, in the grades 4-5 text complexity band proficiently, with scaffolding as needed at the high end of the range.

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ENGLISH LANGUAGE ARTS*

FIFTH GRADE

Activity 1

Activity 2

Activity 3

LANGUAGE

Knowledge of Language:

CCSS.ELA-LITERACY.L.5.3. Use knowledge of language and its conventions when writing, speaking, reading, or listening.

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WRITING

Production and Distribution of Writing:

CCSS.ELA-LITERACY.W.5.4. Produce clear and coherent writing in which the development and organization are appropriate to task, purpose, and audience.

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SPEAKING AND LISTENING

Comprehension and Collaboration:

CCSS.ELA-LITERACY.SL.5.1. Engage effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners on grade 5 topics, texts and issues, building on others' ideas and expressing their own clearly.

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READING INFORMATIONAL TEXT

Range of Reading and Level of Text Complexity:

CCSS.ELA-LITERACY.RI.5.10. 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.

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ENGLISH LANGUAGE ARTS*

SIXTH GRADE

Activity 1

Activity 2

Activity 3

LANGUAGE

Knowledge of Language:

CCSS.ELA-LITERACY.L.6.3. Use knowledge of language and its conventions when writing, speaking, reading, or listening.

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WRITING

Production and Distribution of Writing:

CCSS.ELA-LITERACY.W.6.4. Produce clear and coherent writing in which the development and organization are appropriate to task, purpose, and audience.

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SPEAKING AND LISTENING

Comprehension and Collaboration:

CCSS.ELA-LITERACY.SL.6.1. 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.

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READING INFORMATIONAL TEXT

Integration of Knowledge and Ideas:

CCSS.ELA-LITERACY.RI.6.7. 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.

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NEXT GENERATION SCIENCE STANDARDS**

FIFTH GRADE

Activity 1

Activity 2

Activity 3

**Earth's Place in the Universe
Space Systems: Stars and the Solar System**

5-ESS1.A: The Universe and its Stars

The sun is a star that appears larger and brighter than other stars because it is closer. Stars range greatly in their distance from Earth.

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5-ESS1.B: Earth and the Solar System

The orbits of Earth around the sun and of the moon around Earth, together with the rotation of Earth about an axis between its North and South poles, cause observable patterns. These include day and night; daily changes in the length and direction of shadows; and different positions of the sun, moon, and stars at different times of the day, month, and year.

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SIXTH GRADE

Activity 1

Activity 2

Activity 3

Ecosystems: Interactions, Energy, and Dynamics

MS-LS2-4 Construct an argument supported by empirical evidence that changes to physical or biological components of an ecosystem affect populations.

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