

ScienceWorld®

Science World® Meets Common Core State Standards

Use this magazine to help you meet
the key anchor standards in reading and writing.

Anchor Standards for Reading

Science World

Key Ideas and Details

1

Read closely to determine what the text says explicitly and to make logical inferences from it; cite specific textual evidence when writing or speaking to support conclusions drawn from the text.

- Cover images on the Student Edition provide opportunities for students to engage with the text, make predictions, and ask questions about content. Often the cover contains a prompt or question that stimulates discussion.
- Skills sheets in the Teacher's Edition and on *Science World's* website provide reading comprehension questions that support strategy instruction and require close readings and analysis of the text.
- Lesson plans in the Teacher's Edition invite students to use information from the text to predict and make inferences about their reading. The plans also prompt students to research topics, form opinions (based upon textual evidence), and debate in written and oral forms.

2

Determine central ideas or themes of a text and analyze their development; summarize the key supporting details and ideas.

- Clear issue titles help students quickly identify the main idea of the issue.
- Lesson plans in the Teacher's Edition focus on essential reading comprehension skills, including identifying the main idea and details and summarizing a text.
- Graphic organizers are provided on skills sheets to reinforce skills such as determining themes, summarizing, and identifying the main idea and details.
- Skills sheets contain short passages that students can read and analyze.
- Students use and explore a wide variety of media (print, video, websites) to help them develop a broad and deep understanding of an idea, topic, or theme.

3

Analyze how individuals, events, and ideas develop and interact over the course of a text.

- In the Student Edition and Teacher's Edition, various graphic organizers and visual text (two-column charts, graphs, Venn diagrams, etc.) help students make connections.
- Students read about individuals and events across varied formats, both online (videos and web links) and offline (Student Edition). Each format links thematically and provides rich, developed information about a topic.

Craft and Structure

4

Interpret words and phrases as they are used in a text, including technical, connotative, and figurative meanings, and analyze how specific word choices shape meaning or tone.

- Vocabulary words are italicized in the Student Edition. Words are defined through context clues in the articles.
- Skills sheets available on *Science World's* website provide vocabulary reinforcement activities based on articles in the Student Edition.
- Skills sheets available on *Science World's* website reinforce reading and writing skills such as interpreting similes and metaphors.

5

Analyze the structure of texts, including how specific sentences, paragraphs, and larger portions of the text (e.g., a section, chapter, scene, or stanza) relate to each other and the whole.

- Cover stories in the Student Edition offer varying text structures (e.g., titles, section heads, paragraphs) and varying sentence complexities; these may be used as exemplary texts of published writing.
- Nonfiction text features such as headings, captions, sidebars, and more are used throughout the print and digital issues.

6

Assess how point of view or purpose shapes the content and style of a text.

- Lesson plans in the Teacher's Edition focus on essential informational reading comprehension skills, including identifying the purpose of a text.
- Debate features in the Teacher's Edition encourage students to consider multiple points of view.
- Visual aids (e.g., charts, graphs, diagrams, captions) in the Student Edition require students to read and interpret a variety of visual representations to learn important ideas and information.

Integration of Knowledge and Ideas

7

Integrate and evaluate content presented in diverse formats and media, including visually and qualitatively, as well as in words.

- The videos and web links, accessible on *Science World's* website, provide students with background information about content in the issue.
- Lesson plans in the Teacher's Edition require students to view and synthesize web and/or video content into short and long forms of writing.
- Maps and other images in the print and digital Student Editions reinforce the main ideas in the text.
- Visual aids (e.g., charts, graphs, diagrams, captions) in the print and digital Student Editions provide additional information to deepen students' understanding.

8

Delineate and evaluate the argument and specific claims in a text, including the validity of the reasoning as well as the relevance and sufficiency of the evidence.

- Articles in the Student Edition provide suitable information to stimulate discussions about the claims and arguments in a text.
- Lesson plans in the Teacher's Edition encourage students to evaluate arguments and debate their position using textual evidence.

Anchor Standards for Reading

Science World

Integration of Knowledge and Ideas

9

Analyze how two or more texts address similar themes or topics in order to build knowledge or to compare the approaches the authors take.

- Readers can compare and contrast articles written throughout the year on similar topics. Back issues of *Science World* are available online. (For example, articles on recent disasters might include stories about the volcanic eruption in Iceland, earthquake in Japan, etc.)
- The “Science News” feature on *Science World’s* website provides current news stories about a wide range of science topics.
- Reading passages on the skills sheets provide additional information about a related topic or theme to build and expand background knowledge.
- Students can compare and contrast videos and digital and print issues on the same topic.
- Skills sheets provide opportunities for students to compare and contrast topics, themes, and information.

Range of Reading and Level of Text Complexity

10

Read and comprehend complex literary and informational texts independently and proficiently.

- Articles in the Student Edition can be used as grade-appropriate example texts of published science writing for independent reading.

Anchor Standards for Writing

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Text Types and Purposes

1

Write arguments to support claims in an analysis of substantive topics or texts, using valid reasoning and relevant and sufficient evidence.

- Skills sheets and lesson plans in the Teacher’s Edition encourage students to analyze topics and write both short and long-form responses.
- Lessons in the Teacher’s Edition require students to reflect on what they read and use evidence to support their opinion in a debate (e.g., “Support your opinion with facts from the article.” “Have a class debate about privacy issues related to the [airport] scanners.”)

2

Write informative/explanatory texts to examine and convey complex ideas and information clearly and accurately through the effective selection, organization, and analysis of content.

- Writing activities in the Student Edition ask students to write science-based, informational texts such as experimental procedures.
- Skills sheets encourage students to write short informative responses about information they learned from the text.

Text Types and Purposes

3

Write narratives to develop real or imagined experiences or events using effective technique, well-chosen details, and well-structured event sequences.

- Writing activities in the Teacher’s Edition ask students to write narratives based on real and imagined experiences that use background information and textual evidence.

Production and Distribution of Writing

4

Produce clear and coherent writing in which the development, organization, and style are appropriate to task, purpose and audience.

- Skills sheets on *Science World’s* website often involve long-form responses in which students must demonstrate clear and coherent thought and writing.

5

Develop and strengthen writing as needed by planning, editing, rewriting, or trying a new approach.

- Articles in the Student Edition can be used as examples of published science writing. Additional support can be provided by the teacher.

6

Use technology, including the Internet, to produce and publish writing and to interact and collaborate with others.

- *Science World’s* website provides interactive whiteboard activities and videos so that students can collaborate and produce their own writing.
- Articles in the Student Edition, Digital Edition, and the “Science News” articles in *Science World’s* website can be used as examples of published online writing.

Research to Build and Present Knowledge

7

Conduct short as well as more sustained research projects based on focused questions, demonstrating understanding of the subject under investigation.

- The web links on *Science World’s* website provide engaging and informative content, which can be used for research and writing projects. They also serve as launching-off points for deeper exploration into topics.

8

Gather relevant information from multiple print and digital sources, assess the credibility and accuracy of each source, and integrate the information while avoiding plagiarism.

- Lesson plans in the Teacher’s Edition focus on gathering online research from credible websites (governmental, institutional, etc.)
- Students can gather relevant information from reading the Student Edition and resources available at *Science World’s* website (e.g., background/anchor videos, web links, related news stories, etc.)

9

Draw evidence from literary or informational texts to support analysis, reflection, and research.

- Lesson plans in the Teacher’s Edition require students to read, reflect, and analyze informational text (in print and online) and present findings through discussion and writing.
- Articles in the Student Edition can be used as example texts of published writing. They can also be used to prompt writing projects on specific topics.

Research to Build and Present Knowledge

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.

- The writing prompts suggested in the skills sheets or topics covered in the Student Edition can be used during instruction to write for a wide variety of purposes.
- The special science-project insert published once per year prompts students to perform extended research, conduct experiments, and write observations to their chosen projects.
- Hands-on activities challenge students to experiment and write conclusions based on results.

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