

**A Correlation
of the
DoDEA Science Performance Standards
to Scholastic's READ 180
Stage B: Grades 6-8**

A Correlation of the DoDEA Science Performance Standards Grade 6 to READ 180 Stage B

GRADE SIX

GRADE 6 - S1 SCIENTIFIC INQUIRY

	READ 180 - STAGE B
Gr.6: S1a: develops research questions that can be answered through scientific investigations.	Links, located in the <i>Teacher's Guide</i> , suggest resources for students to explore a topic further and provide opportunities to meet this objective. See, for example: Teacher's Guide: 111, 123, 133, 149, 157, 167, 177, 185, 195, 205
Gr.6: S1b: accesses, evaluates and uses information from a variety of reliable sources.	Links, located in the <i>Teacher's Guide</i> , suggest resources for students to explore a topic further and provide opportunities to meet this objective. See, for example: Teacher's Guide: 111, 123, 133, 149, 157, 167, 177, 185, 195, 205

GRADE 6 - S2 HISTORY AND NATURE OF SCIENCE

	READ 180 - STAGE B
Gr.6: S2a: describes how doing science requires varying human abilities, interest and habits of mind (such as: reasoning, insight, skill, creativity, intellectual honesty, tolerance of ambiguity, skepticism, and openness to new ideas.)	The Following Matches Provide Opportunities to Meet this Objective: Nonfiction Paperbacks: <i>Over The Top of the World</i> <i>UFOs: Fact or Fiction?</i> Historical Fiction Paperbacks: <i>Hiroshima</i> Fiction Paperbacks: <i>Destination: Everest</i>
Gr.6: S2b: identifies contributions of individuals from diverse cultures who have extended the knowledge in science and technology.	The Following Matches Provide Opportunities to Meet this Objective: Nonfiction Paperbacks: <i>Over The Top of the World</i> <i>UFOs: Fact or Fiction?</i> Historical Fiction Paperbacks: <i>Hiroshima</i> Fiction Paperbacks: <i>Destination: Everest</i>
Gr.6: S2c: explains how the effects of science and technology affect cultural development, innovation and human history.	The Following Matches Provide Opportunities to Meet this Objective: Nonfiction Paperbacks: <i>Over The Top of the World</i> <i>UFOs: Fact or Fiction?</i> Historical Fiction Paperbacks: <i>Hiroshima</i>

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	<p><i>Fiction</i> Paperbacks: <i>Destination: Everest</i></p>
<p>GRADE 6 - S3 SCIENCE IN PERSONAL AND SOCIAL PERSPECTIVES</p>	<p>READ 180 - STAGE B</p>
<p>Gr.6: S3b: compares the safety precautions needed during different natural hazards.</p>	<p>The Following Matches Provide Opportunities to Meet this Objective:</p> <p>Nonfiction Audiobooks <i>Snowbound: The Tragic Story of the Donner Party</i> Paperbacks: <i>Trapped</i></p> <p>Fiction Audiobooks: <i>Flight #116 Is Down!</i> <i>Quake!</i></p> <p>Paperbacks: <i>Destination: Everest</i> <i>The Donner Party</i></p>
<p>Gr.6: S3c: describes the risks, costs, and benefits of human decisions related to natural hazards.</p>	<p>The Following Matches Provide Opportunities to Meet this Objective:</p> <p>Nonfiction Audiobooks <i>Snowbound: The Tragic Story of the Donner Party</i> Paperbacks: <i>Trapped</i></p> <p>Fiction Audiobooks: <i>Flight #116 Is Down!</i> <i>Quake!</i></p> <p>Paperbacks: <i>Destination: Everest</i> <i>The Donner Party</i></p>
<p>Gr.6: S3d: explores causes of environmental degradation and resources depletion.</p>	<p>The Following Matches Provide Opportunities to Meet this Objective:</p> <p>Nonfiction Audiobooks <i>Snowbound: The Tragic Story of the Donner Party</i> Paperbacks: <i>Trapped</i></p> <p>Fiction Audiobooks: <i>Flight #116 Is Down!</i> <i>Quake!</i></p> <p>Paperbacks: <i>Destination: Everest</i> <i>The Donner Party</i></p>

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GRADE 6 - S4 SCIENCE AND TECHNOLOGY	READ 180 - STAGE B
<p>Gr.6: S4a: explores how societal challenges may drive scientific research.</p>	<p>The Following Matches Provide Opportunities to Meet this Objective:</p> <p>Nonfiction Paperbacks <i>Over The Top of the World</i> <i>UFOs: Fact or Fiction?</i></p> <p>Historical Fiction Paperbacks: <i>Hiroshima</i></p> <p>Fiction Paperbacks: <i>Destination: Everest</i></p>
<p>Gr.6: S4c: compares the intended benefits and unintended consequences of technology and how it impacts society.</p>	<p>The Following Matches Provide Opportunities to Meet this Objective:</p> <p>Fiction Paperbacks: <i>Hiroshima</i> <i>Night Hunters</i></p>

A Correlation of the DoDEA Science Performance Standards Grade 7 to READ 180 Stage B

GRADE SEVEN

GRADE 7 - S1 SCIENTIFIC INQUIRY

	READ 180 - STAGE B
Gr.7: S1a: develops research questions that can be answered through scientific investigations.	Links, located in the <i>Teacher's Guide</i> , suggest resources for students to explore a topic further and provide opportunities to meet this objective. See, for example: Teacher's Guide: 111, 123, 133, 149, 157, 167, 177, 185, 195, 205
Gr.7: S1b: accesses, evaluates and uses information from a variety of reliable scientific sources.	Links, located in the <i>Teacher's Guide</i> , suggest resources for students to explore a topic further and provide opportunities to meet this objective. See, for example: Teacher's Guide: 111, 123, 133, 149, 157, 167, 177, 185, 195, 205

GRADE 7 - S2 HISTORY AND NATURE OF SCIENCE

	READ 180 - STAGE B
Gr.7: S2a: recognizes that scientists are from diverse backgrounds, but that all use scientific habits of mind (such as: reasoning, insight, skill, creativity, intellectual honesty, tolerance for ambiguity, skepticisms, and openness to new ideas) in their work.	The Following Matches Provide Opportunities to Meet this Objective: Nonfiction Paperbacks <i>Over The Top of the World</i> <i>UFOs: Fact or Fiction?</i> Historical Fiction Paperbacks: <i>Hiroshima</i> Fiction Paperbacks: <i>Destination: Everest</i>
Gr.7: S2b: explains how scientists formulate and test their explanations, revising when necessary.	The Following Matches Provide Opportunities to Meet this Objective: Nonfiction Paperbacks <i>Over The Top of the World</i> <i>UFOs: Fact or Fiction?</i> Historical Fiction Paperbacks: <i>Hiroshima</i> Fiction Paperbacks: <i>Destination: Everest</i>
Gr.7: S2c: investigates and identifies how scientists communicate their results and ideas, and describes and identifies situations in which scientists disagree about interpretation of evidence.	The Following Matches Provide Opportunities to Meet this Objective: Nonfiction Paperbacks <i>Over The Top of the World</i> <i>UFOs: Fact or Fiction?</i> Historical Fiction Paperbacks: <i>Hiroshima</i> Fiction

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	<p>Paperbacks: <i>Destination: Everest</i></p>
<p>Gr.7: S2d: examines the effects of science on cultural development and the relationship between scientific innovation and human history.</p>	<p>The Following Matches Provide Opportunities to Meet this Objective:</p> <p>Nonfiction Paperbacks <i>Over The Top of the World</i> <i>UFOs: Fact or Fiction?</i></p> <p>Historical Fiction Paperbacks: <i>Hiroshima</i></p> <p>Fiction Paperbacks: <i>Destination: Everest</i></p>
<p>GRADE 7 - S3 SCIENCE IN PERSONAL AND SOCIAL PERSPECTIVES</p>	<p>READ 180 - STAGE B</p>
<p>Gr.7: S3b: thinks critically about risks and benefits of natural, chemical, biological, and personal hazards.</p>	<p>The Following Matches Provide Opportunities to Meet this Objective:</p> <p>Nonfiction Audiobooks <i>Snowbound: The Tragic Story of the Donner Party</i> Paperbacks: <i>Trapped</i></p> <p>Fiction Audiobooks: <i>Flight #116 Is Down!</i> <i>Quake!</i></p> <p>Paperbacks: <i>Destination: Everest</i> <i>The Donner Party</i></p>
<p>Gr.7: S3c: explains environmental degradation on a global scale.</p>	<p>The Following Matches Provide Opportunities to Meet this Objective:</p> <p>Fiction Audiobooks: <i>Quake!</i></p> <p>Paperbacks: <i>Hiroshima</i></p>
<p>GRADE 7 - S4 SCIENCE AND TECHNOLOGY</p>	<p>READ 180 - STAGE B</p>
<p>Gr.7: S4a: explains how societal challenges may impact scientific research.</p>	<p>The Following Matches Provide Opportunities to Meet this Objective:</p> <p>Nonfiction Paperbacks <i>Over The Top of the World</i> <i>UFOs: Fact or Fiction?</i></p> <p>Historical Fiction Paperbacks:</p>

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	<p><i>Hiroshima</i></p> <p>Fiction Paperbacks: <i>Destination: Everest</i></p>
<p>Gr.7: S4c: compares the intended benefits and unintended consequences of technology and how it impacts society.</p>	<p>The Following Match Provides Opportunities to Meet this Objective:</p> <p>Historical Fiction Paperbacks: <i>Hiroshima</i></p>
<p>Gr.7: S4d: describes how technology responds to societal needs.</p>	<p>The Following Matches Provide Opportunities to Meet this Objective:</p> <p>Nonfiction Paperbacks <i>Over The Top of the World</i> <i>UFOs: Fact or Fiction?</i></p> <p>Historical Fiction Paperbacks: <i>Hiroshima</i></p> <p>Fiction Paperbacks: <i>Destination: Everest</i></p>
GRADE 7 - S5 PHYSICAL SCIENCE	READ 180 - STAGE B
<p>Gr.7: S5c: compares types of energy and explains how energy is transformed.</p> <ul style="list-style-type: none"> • Energy appears in different forms. Heat energy is in the disorderly motion of molecules; chemical energy is in the arrangement of atoms; mechanical energy is in moving bodies; gravitational energy is in the separation of mutually attracting masses. • When an object has potential energy because of its position, potential energy is transformed to kinetic energy when the object moves. • Most of what goes on in the universe—from exploding stars and biological growth to the operation of machines and the motion of people—involves some form of energy being transformed into another. Energy in the form of heat is almost always one of the products of an energy transformation. 	<p>The Following Matches Provide Opportunities to Meet this Objective:</p> <p>Fiction Audiobooks: <i>Quake!</i></p> <p>Paperbacks: <i>Hiroshima</i></p>
GRADE 7 - S6 LIFE SCIENCE	READ 180 - STAGE B
<p>Gr.7: S6c: predicts how environmental changes may impact the survival of organisms.</p> <ul style="list-style-type: none"> • In all environments—freshwater, marine, forest, desert, 	<p>The Following Matches Provide Opportunities to Meet this Objective:</p> <p>Fiction Audiobooks: <i>Quake!</i></p>

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<p>grassland, mountain, and others—organisms with similar needs may compete with one another for resources, including food, space, water, air, and shelter. The growth and survival of organisms depend on the physical conditions of both the organism and the environment.</p> <ul style="list-style-type: none"> • Changes in environmental conditions can affect the survival of individual organisms and entire species. • Extinction of a species occurs when the environment changes and the adaptive characteristics of a species are insufficient to allow it survival. 	<p>Paperbacks: <i>Hiroshima</i></p>
<p>GRADE 7 - S7 EARTH AND SPACE SCIENCES</p> <p>Gr.7: S7a:</p> <p>compares constructive and destructive forces (e.g., plate tectonics, volcanoes, earthquakes) that cause rapid changes on the Earth's surface.</p> <ul style="list-style-type: none"> • Lithospheric plates on the scales of continents and oceans constantly move at very small rates per year in response to movements in the mantle. Rapid geological events (e.g., earthquakes, volcanic eruptions) result from these plate motions. • The interior of the Earth is hot. Heat flow and movement of material within the Earth result in earthquakes and volcanic eruptions. 	<p align="center">READ 180 - STAGE B</p> <p>The Following Match Provides Opportunities to Meet this Objective:</p> <p>Fiction Audiobooks: <i>Quake!</i></p>

A Correlation of the DoDEA Science Performance Standards Grade 8 to READ 180 Stage B

GRADE EIGHT

GRADE 8 - S1 SCIENTIFIC INQUIRY

	READ 180 - STAGE B
Gr.8: S1a: develops research questions that can be answered through scientific investigations.	Links, located in the <i>Teacher's Guide</i> , suggest resources for students to explore a topic further and provide opportunities to meet this objective. See, for example: Teacher's Guide: 111, 123, 133, 149, 157, 167, 177, 185, 195, 205
Gr.8: S1b: accesses, evaluates and uses information from a variety of reliable scientific sources.	Links, located in the <i>Teacher's Guide</i> , suggest resources for students to explore a topic further and provide opportunities to meet this objective. See, for example: Teacher's Guide: 111, 123, 133, 149, 157, 167, 177, 185, 195, 205

GRADE 8 - S2 HISTORY AND NATURE OF SCIENCE

	READ 180 - STAGE B
Gr.8: S2a: cites examples of scientists from diverse backgrounds, and explains how they use scientific habits of mind (such as: reasoning, insight, skill, creativity, intellectual honesty, tolerance for ambiguity, skepticisms, and openness to new ideas) in their work.	The Following Matches Provide Opportunities to Meet this Objective: Nonfiction Paperbacks <i>Over The Top of the World</i> <i>UFOs: Fact or Fiction?</i> Historical Fiction Paperbacks: <i>Hiroshima</i> <i>Fiction</i> Paperbacks: <i>Destination: Everest</i>
Gr.8: S2b: explains how scientists formulate and test their explanations, revising when necessary.	The Following Matches Provide Opportunities to Meet this Objective: Nonfiction Paperbacks <i>Over The Top of the World</i> <i>UFOs: Fact or Fiction?</i> Historical Fiction Paperbacks: <i>Hiroshima</i> <i>Fiction</i> Paperbacks: <i>Destination: Everest</i>
Gr.8: S2c: investigates and explains how scientists communicate their results and ideas, and describes and identifies situations in which scientists disagree about interpretation of evidence.	The Following Matches Provide Opportunities to Meet this Objective: Nonfiction Paperbacks <i>Over The Top of the World</i> <i>UFOs: Fact or Fiction?</i> Historical Fiction Paperbacks: <i>Hiroshima</i> <i>Fiction</i>

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	<p>Paperbacks: <i>Destination: Everest</i></p>
Gr.8: S2d: examines the effects of science on cultural development and states the relationship between scientific innovation and human history.	<p>The Following Matches Provide Opportunities to Meet this Objective:</p> <p>Nonfiction Paperbacks <i>Over The Top of the World</i> <i>UFOs: Fact or Fiction?</i></p> <p>Historical Fiction Paperbacks: <i>Hiroshima</i></p> <p>Fiction Paperbacks: <i>Destination: Everest</i></p>
GRADE 8 - S3 SCIENCE IN PERSONAL AND SOCIAL PERSPECTIVES	READ 180 - STAGE B
Gr.8: S3b: thinks critically and analyzes risks and benefits associated with natural, chemical, biological, and personal hazards.	<p>The Following Matches Provide Opportunities to Meet this Objective:</p> <p>Nonfiction Audiobooks <i>Snowbound: The Tragic Story of the Donner Party</i> Paperbacks: <i>Trapped</i></p> <p>Fiction Audiobooks: <i>Flight #116 Is Down!</i> <i>Quake!</i></p> <p>Paperbacks: <i>Destination: Everest</i> <i>The Donner Party</i></p>
Gr.8: S3c: evaluates the interrelationships of environmental degradation on the global community.	<p>The Following Matches Provide Opportunities to Meet this Objective:</p> <p>Fiction Audiobooks: <i>Quake!</i></p> <p>Paperbacks: <i>Hiroshima</i></p>
GRADE 8 - S4 SCIENCE AND TECHNOLOGY	READ 180 - STAGE B
Gr.8: S4a: assesses societal challenges that may inspire scientific research.	<p>The Following Matches Provide Opportunities to Meet this Objective:</p> <p>Nonfiction Paperbacks <i>Over The Top of the World</i> <i>UFOs: Fact or Fiction?</i></p> <p>Historical Fiction Paperbacks:</p>

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	<p><i>Hiroshima</i></p> <p>Fiction Paperbacks: <i>Destination: Everest</i></p>
<p>Gr.8: S4e: analyzes how technology responds to societal, political, and economic needs.</p>	<p>The Following Matches Provide Opportunities to Meet this Objective:</p> <p>Nonfiction Paperbacks <i>Over The Top of the World</i> <i>UFOs: Fact or Fiction?</i></p> <p>Historical Fiction Paperbacks: <i>Hiroshima</i></p> <p>Fiction Paperbacks: <i>Destination: Everest</i></p>
<p>GRADE 8 - S5 PHYSICAL SCIENCE</p>	<p>READ 180 - STAGE B</p>
<p>Gr.8: S5c: compares and explains different forms of energy as heat, light, electrical, mechanical, sound, and chemical.</p> <ul style="list-style-type: none"> • Vibrations (e.g., sound) move at different speeds in different materials, have different wavelengths, and set up wave-like disturbances that spread away from the source. • Light interacts with matter by refraction, reflection, scattering, and absorption. • The sun releases energy by emitting light and heat. A tiny fraction of that energy reaches the Earth as wavelengths in such forms as infrared, visible light, and ultraviolet radiation. • Chemical energy is produced by chemical reactions and is dependent upon the arrangements of atoms. • Mechanical energy is in moving bodies. 	<p>The Following Match Provides Opportunities to Meet this Objective:</p> <p>Fiction Paperbacks: <i>Hiroshima</i></p>
<p>GRADE 8 - S7 EARTH AND SPACE SCIENCES</p>	<p>READ 180 - STAGE B</p>
<p>Gr.8: S7a: analyzes and evaluates the impact of constructive and destructive forces on the Earth and its inhabitants over geologic time.</p> <ul style="list-style-type: none"> • The Earth's processes we see today, including erosion, movement of lithospheric plates, and changes in atmosphere composition, are consistent to those that occurred in the past. 	<p>The Following Match Provides Opportunities to Meet this Objective:</p> <p>Fiction Audiobooks: <i>Quake!</i></p>

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| <ul style="list-style-type: none">• Earthquakes and volcanoes can have a radical effect on the Earth and its inhabitants.• Comets and asteroids orbit the sun. On rare occasions their orbital paths cross Earth's orbit and sometimes impact the ground resulting in climatic changes.• Landforms are the result of a combination of constructive and destructive forces. | |
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