



WorldWise Informational Texts

Next Generation Science Outcomes Grade 2 Linked to WorldWise Informational Texts

Guided Reading Levels KLM (20–28)

Grade 2 Disciplinary Core Ideas	
2-PS1 Matter and its Interactions	
PS1.A: Structure and Properties of Matter	What Is It? Heating and Cooling: How Do Things Change?
PS1.B: Chemical Reactions	What Is It? Heating and Cooling: How Do Things Change?
2-LS2 Ecosystems: Interactions, Energy, and Dynamics	
LS2.A: Interdependent Relationships in Ecosystems	How Do Plants Grow Here? Killer Plants Sharing Our Yard Animals of the African Grasslands
2-LS4 Biological Evolution: Unity and Diversity	
LS4.D: Biodiversity and Humans	Why We Need Rainforests Saving the Oceans Amazing Lifetimes Sharing Our Yard Summer in Antarctica Side by Side Silkworms Champions of the Animal World
2-ESS1 Earth's Place in the Universe	
ESS1.C: The History of Planet Earth	Cracking, Sinking, and Bubbling Over Majestic Mountains



2-ESS2 Earth's Systems	
ESS2.A: Earth Materials and Systems	A River's Journey Cracking, Sinking, and Bubbling Over Deserts of the World Weather The Changing Shape of the Land Disappearing Ice Majestic Mountains
ESS2.B: Plate Tectonics and Large-Scale System Interactions	Cracking, Sinking, and Bubbling Over Majestic Mountains
ESS2.C: The Roles of Water in Earth's Systems	How Do Plants Grow Here? A River's Journey Weather Summer in Antarctica The Changing Shape of the Land Disappearing Ice Saving the Oceans
K-2-ETS1 Engineering Design	
ETS1.A: Defining and Delimiting Engineering Problems	Making Work Easy Robots Monster Machines Bridges
ETS1.B: Developing Possible Solutions	Making Work Easy Robots Monster Machines Bridges
ETS1.C: Optimizing the Design Solution	Making Work Easy Robots Monster Machines Bridges



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Next Generation Science Outcomes Grades 3–5 Linked to WorldWise Informational Texts Guided Reading Levels NOP (30–38) to TUV (50)

Grade 3 Disciplinary Core Ideas	
3-PS2 Motion and Stability: Forces and Interactions	
PS2.A Forces and Motion	Everything Moves P (38)
PS2.B Types of Interaction	Everything Moves P (38)
3-LS1 From Molecules to Organisms: Structures and Processes	
LS1.B Growth and Development of Organisms	The Animal Kingdom P (38) Animal Lifetimes N (30) Animal Parents N (30) Busy Highways O (34) Caring for Animals N (30) The Coral Reef O (34) Monarch Butterflies: The Long Migration P (38)
3-LS2 Ecosystems: Interactions, Energy, and Dynamics	
LS2.D Social Interactions and Group Behavior	Amazing Animal Survivors O (34) Animal Lifetimes (N (30) Animal Parents N (30) Busy Highways O (34) The Coral Reef O (34) Monarch Butterflies: The Long Migration P (38)
3-LS3 Heredity: Inheritance and Variation of Traits	
LS3.A Inheritance of Traits	The Animal Kingdom P (38) Animal Lifetimes N (30) Animal Parents N (30) Monarch Butterflies: The Long Migration P (38)
LS3.B Variation of Traits	The Animal Kingdom P (38) Animal Lifetimes N (30)

3-LS4 Biological Evolution: Unity and Diversity

LS2.C Ecosystem Dynamics, Functioning, and Resilience	<p>Amazing Animal Survivors O (34) The Animal Kingdom P (38) Animal Lifetimes N (30) Animals and their Ancestors P (38) Busy Highways O (34) Caring for Animals N (30) The Coral Reef O (34) Going, Going, Gone? P (38) Looking After Our World N (30) Monarch Butterflies: The Long Migration P (38) Plants: The Key to Life O (34)</p>
LS4.A Evidence of Common Ancestry and Diversity	<p>The Animal Kingdom P (38) Animal Lifetimes N (30) Animals and their Ancestors P (38) Caring for Animals N (30)</p>
LS4.B Natural Selection	<p>Amazing Animal Survivors O (34) The Animal Kingdom Animal Lifetimes Caring for Animals</p>
LS4.C Adaptation	<p>Amazing Animal Survivors The Animal Kingdom P (38) Animal Lifetimes N (30) Animals and their Ancestors P (38) Busy Highways O (34) The Coral Reef O (34) Going, Going, Gone? P (38) Plants: The Key to Life O (34)</p>
LS4.D Biodiversity and Humans	<p>Animals and their Ancestors P (38) Caring for Animals N (30) The Coral Reef O (34) Going, Going, Gone? P (38) The Land Where I Live N (30) Looking After Our World N (30) Monarch Butterflies: The Long Migration O (34)</p>
3-ESS2 Earth's Systems	
ESS2.D Weather and Climate	<p>The Coral Reef O (34) The Land Where I Live N (30) The Weather Today N (30)</p>
3-ESS3 Earth and Human Activity	
ESS3.B Natural Hazards	<p>The Weather Today N (30)</p>

3-5 ETS1 Engineering Design	
ETS1.A Defining and Delimiting Engineering Problems	Bicycles by Design O (34) Finding Our Way P (38) Keeping Well P (38)
ETS1.B Developing Possible Solutions	Bicycles by Design O (34) Finding Our Way P (38) Keeping Well P (38)
ETS1.C Optimizing the Design Solution	Bicycles by Design O (34) Finding Our Way P (38) Keeping Well P (38)

Grade 4 Disciplinary Core Ideas

4-PS3 Energy

PS3.A Definition of Energy	Talented Animals Q (40) Wild, Wild Weather Q (40)
PS3.B Conservation of Energy and Energy Transfer	
PS3.C Relationship Between Energy and Forces	
PS3.D Energy in Chemical Processes and Everyday Life	It's All About Energy S (40)
ETS1.A Defining Engineering Problems	Solving Problems: Dams, Canals, and Bridges R (40)

4-PS4 Waves and their Applications in Technologies for Information Transfer

PS4.A Wave Properties	Awesome Oceans Q (40) Living With the Tides S (40)
PS4.B Electromagnetic Radiation	
PS4.C Information Technology and Instrumentation	From Me to You R (40) Shells on their Backs R (40)

4-LS1 From Molecules to organisms: Structures and Processes

LS1.A Structure and Function	Animal Architects R (40) Animal Shelters Q (40) Awesome Oceans Q (40) Exploring Caves R (40) How Animals Communicate S (40) Living With the Tides S (40) Nature's Rooming House R (40) Our Bodies S (40) Shells on their Backs R (40) Talented Animals Q (40)
LS1.D Information Processing	Animal Shelters Q (40) Awesome Oceans Q (40) Exploring Caves R (40) How Animals Communicate S (40) Our Bodies S (40) Talented Animals Q (40)
4-ESS1 Earth's Place in the Universe	
ESS1.C The History of Planet Earth	Awesome Oceans Q (40) Exploring Caves R (40) Our Moving Earth S (40)
ESS2.A Earth Materials and Systems	Animal Shelters Q (40) Awesome Oceans Q (40) Our Moving Earth S (40)
ESS2.B Plate Tectonics and Large-Scale Systems	Exploring Caves R (40) Our Moving Earth S (40)
ESS2.E Biogeology	Animal Architects R (40) Animal Shelters Q (40) Awesome Oceans Q (40) Exploring Caves R (40) Living With the Tides S (40) Nature's Rooming House R (40) Talented Animals Q (40)
4-ESS3 Earth and Human Activity	
ESS3.A Natural Resources	Don't Throw It Away! Q (40) It's All About Energy S (40)
ESS3.B Natural Hazards	Awesome Oceans Q (40) Our Moving Earth S (40) Wild, Wild Weather Q (40)
ETS1.B Designing Solutions to Engineering Problems	Adventures in Wild Places S (40) Solving Problems: Dams, Canals, and Bridges R (40)

3-5 ETS1 Engineering Design	
ETS1.A Defining and Delimiting Engineering Problems	Adventures in Wild Places S (40) Animal Architects R (40) Don't Throw It Away! Q (40) Solving Problems: Dams, Canals, and Bridges R (40) That's a Good Idea! Q (40)
ETS1.B Developing Possible Solutions	Adventures in Wild Places S (40) Animal Architects R (40) Don't Throw It Away! Q (40) Solving Problems: Dams, Canals, and Bridges R (40) That's a Good Idea! Q (40)
ETS1.C Optimizing the Design Solution	Adventures in Wild Places S (40) Animal Architects R (40) Don't Throw It Away! Q (40) Solving Problems: Dams, Canals, and Bridges R (40) That's a Good Idea! Q (40)

Grade 5 Disciplinary Core Ideas	
5-PS1 Matter and Its Interactions	
PS1.A Structure and Properties of Matter	The Earth, the Sun, and the Moon V (50) Climate Change V (50)
PS1.B Chemical Reactions	
5-PS2 Motion and Stability: Forces and Interactions	
PS2.B Types of Interactions	The Earth, the Sun, and the Moon V (50)
5-PS3 Energy	
PS3.D Energy in Chemical Processes and Everyday Life	Climate Change V (50) The Earth, the Sun, and the Moon V (50) How Do Plants Survive? U (50) The Salmon Stream U (50) Yellowstone: A Unique Ecosystem U (50)
LS1.C Organization for Matter and Energy Flow in Organisms	Climate Change V (50) The Salmon Stream U (50)
5-LS1 From Molecules to Organisms: Structure and Processes	
LS1.C Organization for Matter and Energy Flow in Organisms	How Do Plants Survive? U (50) Saving the Amazon River V (50) The Wandering Albatross T (50) Yellowstone: A Unique Ecosystem U (50)

5-LS2 Ecosystems: Interactions, Energy, and Dynamics

<p>LS2.A Interdependent Relationships in Ecosystems</p>	<p>Climate Change V (50) Deserts V (50) How Do Plants Survive? U (50) Rock Snot, Cane Toads, and Other Aliens T (50) The Salmon Stream U (50) Saving the Amazon River V (50) Sharing the Environment T (50) Time Detectives V (50) Wetlands U (50) Yellowstone: A Unique Ecosystem U (50)</p>
<p>LS2.B Cycles of Matter and Energy Transfer in Ecosystems</p>	<p>Climate Change V (50) How Do Plants Survive? U (50) Rock Snot, Cane Toads, and Other Aliens T (50) The Salmon Stream U (50) Saving the Amazon River V (50) Sharing the Environment T (50) Wetlands U (50) Yellowstone: A Unique Environment U (50)</p>
<h3>5-ESS1 Earth's Place in the Universe</h3>	
<p>ESS1.A The Universe and Its Stars</p>	<p>The Earth, the Sun, and the Moon V (50)</p>
<p>ESS1.B Earth and the Solar System</p>	<p>The Earth, the Sun, and the Moon V (50) Science for the People U (50)</p>
<h3>5-ESS2 Earth's Systems</h3>	
<p>ESS2.A Earth Materials and Systems</p>	<p>The Earth, the Sun, and the Moon V (50) How Water Shapes the Land V (50) Powerful Ideas: John Muir U (50) Saving the Amazon River V (50)</p>
<p>ESS2.C The Roles of Water in Earth's Surface Processes</p>	<p>Climate Change V (50) Deserts V (50) How Water Shapes the Land V (50) Powerful Ideas: John Muir U (50) Sharing the Environment T (50) The Wandering Albatross T (50) Wetlands U (50)</p>



5-ESS3 Earth and Human Activity

ESS3.C Human Impacts in Earth Systems

Animals and Us V (50)
 Climate Change V (50)
 Deserts V (50)
 The Earth, the Sun, and the Moon V (50)
 From Hunter-Gatherers to Farmers V (50)
 How Water Shapes the Land V (50)
 Powerful Ideas: John Muir U (50)
 Rock Snot, Cane Toads, and Other Aliens T (50)
 The Salmon Stream U (50)
 Saving the Amazon River V (50)
 Science for the People U (50)
 Sharing the Environment T (50)
 The Wandering Albatross T (50)
 Wetlands U (50)
 Yellowstone: A Unique Ecosystem U (50)

3-5 ETS1 Engineering Design

ETS1.A Defining and Delimiting Engineering Problems

Animals and Us V (50)
 Climate Change V (50)
 From Hunter-Gatherers to Farmers V (50)
 Guiding Lights T (50)
 Science for the People U (50)
 Time Detectives V (50)

ETS1.B Developing Possible Solutions

Animals and Us V (50)
 Climate Change V (50)
 From Hunter-Gatherers to Farmers V (50)
 Guiding Lights T (50)
 Science for the People U (50)
 Time Detectives V (50)

ETS1.C Optimizing the Design Solution

Animals and Us V (50)
 Climate Change V (50)
 From Hunter-Gatherers to Farmers v (50)
 Guiding Lights T (50)
 Science for the People U (50)
 Time Detectives V (50)