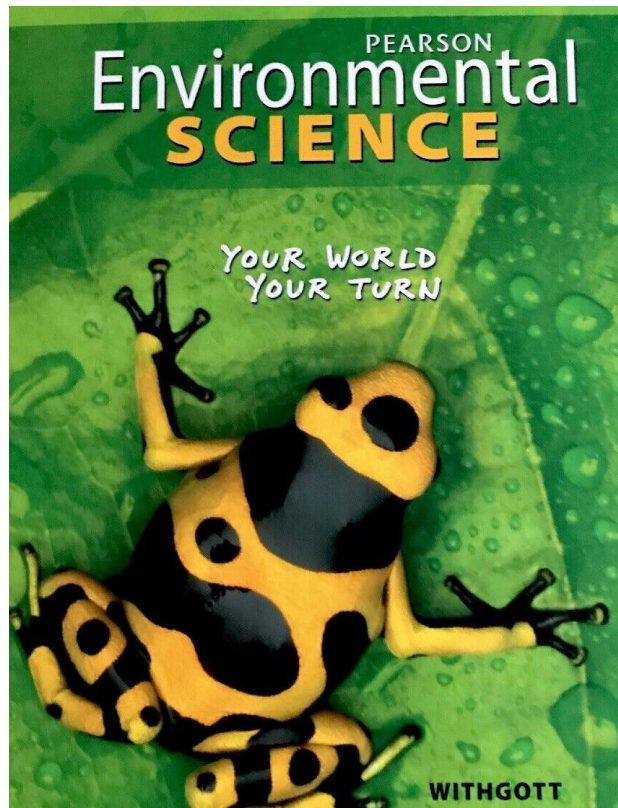


A Correlation of

# Environmental Science

## Your World, Your Turn



To the

# Next Generation Science Standards

## Disciplinary Core Ideas

### Science & Engineering Practices

### and Crosscutting Concepts

**A Correlation of Environmental Science: Your World, Your Turn  
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1.1: Our Island, Earth	<p><b>DCI:</b> LS2.A: Interdependent Relationships in Ecosystems; ESS3.A: Natural Resources; ESS3.B: Natural Hazards; ESS3.C: Human Impacts on Earth Systems; ESS3.D: Global Climate Change</p> <p><b>SEP:</b> Analyzing and Interpreting Data; Using Mathematics and Computational Thinking; Engaging in Argument from Evidence; Obtaining, Evaluating, and Communicating Information</p> <p><b>CCC:</b> Patterns; Cause and Effect; Scale, Proportion, and Quantity; Stability and Change</p>

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<p style="text-align: center;"><b>Pearson Environmental Science: Your World, Your Turn</b></p>	<p style="text-align: center;"><b>Next Generation Science Standards: DCIs, SEPs, and CCCs</b></p>
<p>1.2: The Nature of Science</p>	<p><b>DCI:</b> ETS1.B: Developing Possible Solutions; ETS1.C: Optimizing the Design Solution</p> <p><b>SEP:</b> Asking Questions and Defining Problems; Developing and Using Models; Planning and Carrying Out Investigations; Analyzing and Interpreting Data; Using Mathematics and Computational Thinking; Constructing Explanations and Designing Solutions; Engaging in Argument from Evidence; Obtaining, Evaluating, and Communicating Information</p> <p><b>CCC:</b> Patterns; Cause and Effect; Systems and System Models; Structure and Function</p>
<p>1.3: The Community of Science</p>	<p><b>DCI:</b> ESS3.A: Natural Resources</p> <p><b>SEP:</b> Asking Questions and Defining Problems; Developing and Using Models; Constructing Explanations and Designing Solutions; Engaging in Argument from Evidence; Obtaining, Evaluating, and Communicating Information</p> <p><b>CCC:</b> Systems and System Models; Stability and Change</p>

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2.2: United States Environmental Policy	<p><b>DCI:</b> ESS3.A: Natural Resources; ESS3.C: Human Impacts on Earth Systems; ETS2.B: Influence of Engineering, Technology, and Science on Society and the Natural World</p> <p><b>SEP:</b> Asking Questions and Defining Problems; Analyzing and Interpreting Data; Constructing Explanations and Designing Solutions</p> <p><b>CCC:</b> Cause and Effect</p>

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<p>2.3: International Environmental Policy and Approaches</p>	<p><b>DCI:</b> ESS3.A: Natural Resources; ESS3.C: Human Impacts on Earth Systems</p> <p><b>SEP:</b> Asking Questions and Defining Problems; Analyzing and Interpreting Data; Constructing Explanations and Designing Solutions; Obtaining, Evaluating, and Communicating Information</p> <p><b>CCC:</b> Cause and Effect; Stability and Change</p>
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<p>3.1: Matter and the Environment</p>	<p><b>DCI:</b> PS1.A: Structures and Properties of Matter; PS1.B: Chemical Reactions; PS1.C: Nuclear Processes; LS1.C: Organization for Matter and Energy Flow in Organisms; ESS2.C: The Roles of Water in Earth's Surface Processes</p> <p><b>SEP:</b> Asking Questions and Defining Problems</p> <p><b>CCC:</b> Patterns; Cause and Effect; Energy and Matter; Structure and Function</p>

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3.3: Earth's Spheres	<p><b>DCI:</b> ESS2.A: Earth Materials and Systems; ESS2.B: Plate Tectonics and Large-Scale System Interactions; ESS2.C: The Roles of Water in Earth's Surface Processes; ESS2.D: Weather and Climate; ESS2.E: Biogeology</p> <p><b>SEP:</b> Developing and Using Models; Planning and Carrying Out Investigations; Analyzing and Interpreting Data; Using Mathematics and Computational Thinking; Constructing Explanations and Designing Solutions; Constructing Explanations and Designing Solutions; Obtaining, Evaluating, and Communicating Information</p> <p><b>CCC:</b> Patterns; Cause and Effect; Systems and System Models; Energy and Matter; Stability and Change</p>

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<p>3.4: Biogeochemical Cycles</p>	<p><b>DCI:</b> PS1.A: Structures and Properties of Matter; PS3.B: Conservation of Energy and Energy Transfer; PS3.D: Energy in Chemical Processes and Everyday Life; LS1.C: Organization for Matter and Energy Flow in Organisms; LS2.B: Cycles of Matter and Energy Transfer in Ecosystems; LS2.C: Ecosystem Dynamics, Functioning, and Resilience; LS2.D: Social Interactions and Group Behavior; ESS2.E: Biogeology</p> <p><b>SEP:</b> Analyzing and Interpreting Data; Using Mathematics and Computational Thinking</p> <p><b>CCC:</b> Patterns; Cause and Effect; Systems and System Models; Energy and Matter; Stability and Change</p>



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<b>Pearson Environmental Science: Your World, Your Turn</b>	<b>Next Generation Science Standards: DCIs, SEPs, and CCCs</b>
<b>Unit 2: Ecology</b>	
<b>Chapter 4: Population Ecology</b>	
<p>4.1 Studying Ecology</p>	<p><b>DCI:</b> LS2.A: Interdependent Relationships in Ecosystems; LS2.B: Cycles of Matter and Energy Transfer in Ecosystems; LS2.C: Ecosystem Dynamics, Functioning, and Resilience; LS3.B: Variation of Traits</p> <p><b>SEP:</b> Asking Questions and Defining Problems; Developing and Using Models; Planning and Carrying Out Investigations; Analyzing and Interpreting Data; Constructing Explanations and Designing Solutions; Obtaining, Evaluating, and Communicating Information</p> <p><b>CCC:</b> Cause and Effect; Scale, Proportion, and Quantity; Energy and Matter; Stability and Change</p>

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<p>4.2 Describing Populations</p>	<p><b>DCI:</b> LS2.A: Interdependent Relationships in Ecosystems; LS3.B: Variation of Traits; LS4.B: Natural Selection; LS4.C: Adaptation</p> <p><b>SEP:</b> Using Mathematics and Computational Thinking; Constructing Explanations and Designing Solutions; Obtaining, Evaluating, and Communicating Information</p> <p><b>CCC:</b> Patterns; Cause and Effect; Systems and System Models; Stability and Change</p>
<p>4.3 Population Growth</p>	<p><b>DCI:</b> LS2.A: Interdependent Relationships in Ecosystems; LS2.B: Cycles of Matter and Energy Transfer in Ecosystems; LS4.B: Natural Selection; LS4.C: Adaptation; LS4.D: Biodiversity and Humans</p> <p><b>SEP:</b> Asking Questions and Defining Problems; Developing and Using Models; Analyzing and Interpreting Data; Using Mathematics and Computational Thinking; Constructing Explanations and Designing Solutions; Obtaining, Evaluating, and Communicating Information</p> <p><b>CCC:</b> Patterns; Scale, Proportion, and Quantity; Stability and Change</p>

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5.1 Evolution	<p><b>DCI:</b> LS3.A: Inheritance of Traits; LS3.B: Variation of Traits; LS4.A: Evidence of Common Ancestry and Diversity; LS4.B: Natural Selection; LS4.C: Adaptation; LS4.D: Biodiversity and Humans</p> <p><b>SEP:</b> Analyzing and Interpreting Data; Using Mathematics and Computational Thinking</p> <p><b>CCC:</b> Patterns; Cause and Effect; Scale, Proportion, and Quantity; Structure and Function; Stability and Change</p>
5.2 Species Interactions	<p><b>DCI:</b> LS2.A: Interdependent Relationships in Ecosystems; LS4.C: Adaptation</p> <p><b>SEP:</b> Analyzing and Interpreting Data; Using Mathematics and Computational Thinking</p> <p><b>CCC:</b> Patterns; Cause and Effect; Stability and Change</p>

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<p>5.3 Ecological Communities</p>	<p><b>DCI:</b> PS3.B: Conservation of Energy and Energy Transfer; PS3.D: Energy in Chemical Processes and Everyday Life; LS1.C: Organization for Matter and Energy Flow in Organisms; LS2.B: Cycles of Matter and Energy Transfer in Ecosystems</p> <p><b>SEP:</b> Analyzing and Interpreting Data Using Mathematics and Computational Thinking; Engaging in Argument from Evidence; Obtaining, Evaluating, and Communicating Information</p> <p><b>CCC:</b> Patterns; Systems and System Models; Energy and Matter; Structure and Function; Stability and Change</p>

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<p>5.4 Community Stabilities</p>	<p><b>DCI:</b> LS2.A: Interdependent Relationships in Ecosystems; LS4.C: Adaptation; LS4.D: Biodiversity and Humans</p> <p><b>SEP:</b> Asking Questions and Defining Problems; Developing and Using Models; Planning and Carrying Out Investigations; Analyzing and Interpreting Data; Using Mathematics and Computational Thinking; Constructing Explanations and Designing Solutions; Obtaining, Evaluating, and Communicating Information</p> <p><b>CCC:</b> Patterns; Cause and Effect; Scale, Proportion, and Quantity; Systems and System Models; Structure and Function; Stability and Change</p>

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<p><b>Chapter 6: Biomes and Aquatic Ecosystems</b></p>	
<p>6.1 Defining Biomes</p>	<p><b>DCI:</b> LS2.A: Interdependent Relationships in Ecosystems; LS2.B: Cycles of Matter and Energy Transfer in Ecosystems; LS2.C: Ecosystem Dynamics, Functioning, and Resilience; LS4.B: Natural Selection; LS4.C: Adaptation; ESS2.D: Weather and Climate</p> <p><b>SEP:</b> Developing and Using Models; Analyzing and Interpreting Data; Using Mathematics and Computational Thinking; Obtaining, Evaluating, and Communicating Information</p> <p><b>CCC:</b> Scale, Proportion, and Quantity; Stability and Change</p>

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<p>6.2 Biomes</p>	<p><b>DCI:</b> LS2.A: Interdependent Relationships in Ecosystems; LS2.B: Cycles of Matter and Energy Transfer in Ecosystems; LS2.C: Ecosystem Dynamics, Functioning, and Resilience</p> <p><b>SEP:</b> Asking Questions and Defining Problems; Developing and Using Models; Analyzing and Interpreting Data; Using Mathematics and Computational Thinking; Obtaining, Evaluating, and Communicating Information</p> <p><b>CCC:</b> Pattern; Cause and Effect; Systems and System Models; Structure and Function; Stability and Change</p>

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<p>6.3 Aquatic Systems</p>	<p><b>DCI:</b> LS2.A: Interdependent Relationships in Ecosystems; LS2.B: Cycles of Matter and Energy Transfer in Ecosystems; LS2.C: Ecosystem Dynamics, Functioning, and Resilience; LS4.B: Natural Selection; LS4.C: Adaptation</p> <p><b>SEP:</b> Asking Questions and Defining Problems; Planning and Carrying Out Investigations; Analyzing and Interpreting Data; Using Mathematics and Computational Thinking; Constructing Explanations and Designing Solutions; Obtaining, Evaluating, and Communicating Information</p> <p><b>CCC:</b> Patterns; Cause and Effect; Structure and Function; Stability and Change</p>
<p><b>Chapter 7: Biodiversity and Conservation</b></p>	
<p>7.1 Our Planet of Life</p>	<p><b>DCI:</b> LS4.B: Natural Selection; LS 4.C: Adaptation LS4.D: Biodiversity and Humans</p> <p><b>SEP:</b> Analyzing and Interpreting Data; Constructing Explanations and Designing Solutions; Obtaining, Evaluating, and Communicating Information</p> <p><b>CCC:</b> Patterns; Cause and Effect; Structure and Function; Stability and Change</p>



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<p>7.2 Extinction and Biodiversity Loss</p>	<p><b>DCI:</b> ESS3.C: Human Impacts on Earth Systems; LS4.C: Adaptation; LS4.D: Biodiversity and Humans; ESS2.D: Weather and Climate; ESS2.E: Biogeology; ESS3.C: Human Impacts on Earth Systems</p> <p><b>SEP:</b> Asking Questions and Defining Problems; Analyzing and Interpreting Data; Using Mathematics and Computational Thinking; Constructing Explanations and Designing Solutions; Engaging in Argument from Evidence; Obtaining, Evaluating, and Communicating Information</p> <p><b>CCC:</b> Cause and Effect; Scale, Proportion, and Quantity</p>

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<p>7.3 Protecting Biodiversity</p>	<p><b>DCI:</b> ESS3.C: Human Impacts on Earth Systems; LS4.C: Adaptation; LS4.D: Biodiversity and Humans; ESS2.D: Weather and Climate; ESS2.E: Biogeology; ESS3.C: Human Impacts on Earth Systems</p> <p><b>SEP:</b> Asking Questions and Defining Problems; Analyzing and Interpreting Data; Using Mathematics and Computational Thinking; Constructing Explanations and Designing Solutions; Engaging in Argument from Evidence; Obtaining, Evaluating, and Communicating Information</p> <p><b>CCC:</b> Patterns; Scale, Proportion, and Quantity; Stability and Change</p>

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<b>Chapter 8: Human Population</b>	
8.1 Trends in Human Population Growth	<p><b>DCI:</b> LS2.A: Interdependent Relationships in Ecosystems; LS4.D: Biodiversity and Humans; ETS2.B: Influence of Engineering, Technology, and Science on Society and the Natural World</p> <p><b>SEP:</b> Asking Questions and Defining Problems; Analyzing and Interpreting Data; Using Mathematics and Computational Thinking; Constructing Explanations and Designing Solutions; Obtaining, Evaluating, and Communicating Information</p> <p><b>CCC:</b> Patterns; Cause and Effect; Stability and Change</p>

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<p>8.2 Predicting Population Growth</p>	<p><b>DCI:</b> LS2.A: Interdependent Relationships in Ecosystems; LS4.B: Natural Selection; LS4.C: Adaptation</p> <p><b>SEP:</b> Developing and Using Models; Analyzing and Interpreting Data; Using Mathematics and Computational Thinking; Constructing Explanations and Designing Solutions; Obtaining, Evaluating, and Communicating Information</p> <p><b>CCC:</b> Patterns; Cause and Effect; Stability and Change</p>
<p>8.3 People and Their Environments</p>	<p><b>DCI:</b> LS4.D: Biodiversity and Humans</p> <p><b>SEP:</b> Analyzing and Interpreting Data; Using Mathematics and Computational Thinking; Obtaining, Evaluating, and Communicating Information</p> <p><b>CCC:</b> Patterns; Cause and Effect; Scale, Proportion, and Quantity; Stability and Change</p>

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<b>Chapter 9: Environmental Health</b>	
9.1 An Overview of Environmental Health	<p><b>DCI:</b> LS4.B: Natural Selection; ESS3.B: Natural Hazards; LS4.C: Adaptation</p> <p><b>SEP:</b> Analyzing and Interpreting Data; Obtaining, Evaluating, and Communicating Information</p> <p><b>CCC:</b> Cause and Effect</p>
9.2 Biological and Social Hazards	<p><b>DCI:</b> LS4.B: Natural Selection; ESS3.B: Natural Hazards; LS4.C: Adaptation</p> <p><b>SEP:</b> Asking Questions and Defining Problems; Developing and Using Models; Planning and Carrying Out Investigations; Analyzing and Interpreting Data; Constructing Explanations and Designing Solutions; Obtaining, Evaluating, and Communicating Information</p> <p><b>CCC:</b> Cause and Effect</p>

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<p>9.3 Toxic Substances in the Environment</p>	<p><b>DCI:</b> LS4.B: Natural Selection; ESS3.B: Natural Hazards; LS4.C: Adaptation</p> <p><b>SEP:</b> Developing and Using Models; Analyzing and Interpreting Data; Obtaining, Evaluating, and Communicating Information</p> <p><b>CCC:</b> Cause and Effect; Systems and System Models</p>
<p>9.4 Natural Disasters</p>	<p><b>DCI:</b> ESS2.B: Plate Tectonics and Large-Scale System Interactions; ESS2.D: Weather and Climate; ESS3.B: Natural Hazards</p> <p><b>SEP:</b> Analyzing and Interpreting Data; Using Mathematics and Computational Thinking; Obtaining, Evaluating, and Communicating Information</p> <p><b>CCC:</b> Patterns; Cause and Effect; Energy and Matter; Stability and Change</p>

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<p><b>Chapter 10: Urbanization</b></p>	
<p>10.1 Land Use and Urbanizations</p>	<p><b>DCI:</b> LS2.C: Ecosystem Dynamics, Functioning, and Resilience; LS4.D: Biodiversity and Humans; ESS3.A: Natural Resources; ESS3.C: Human Impacts on Earth Systems</p> <p><b>SEP:</b> Analyzing and Interpreting Data; Using Mathematics and Computational Thinking; Obtaining, Evaluating, and Communicating Information</p> <p><b>CCC:</b> Patterns; Cause and Effect; Scale, Proportion, and Quantity</p>
<p>10.2 Sprawl</p>	<p><b>DCI:</b> ESS3.A: Natural Resources; ESS3.C: Human Impacts on Earth Systems</p> <p><b>SEP:</b> Asking Questions and Defining Problems; Analyzing and Interpreting Data; Obtaining, Evaluating, and Communicating Information</p> <p><b>CCC:</b> Patterns; Cause and Effect</p>

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<p>10.3 Sustainable Cities</p>	<p><b>DCI:</b> LS4.D: Biodiversity and Humans; ESS3.A: Natural Resources; ESS3.C: Human Impacts on Earth Systems; ETS1.A: Defining and Delimiting an Engineering Problem; ETS1.B: Developing Possible Solutions; ETS2.A: Interdependence of Science, Engineering, and Technology; ETS2.B: Influence of Engineering, Technology, and Science on Society and the Natural World</p> <p><b>SEP:</b> Asking Questions and Defining Problems; Developing and Using Models; Planning and Carrying Out Investigations; Using Mathematics and Computational Thinking; Constructing Explanations and Designing Solutions; Obtaining, Evaluating, and Communicating Information</p> <p><b>CCC:</b> Patterns; Cause and Effect; Scale, Proportion, and Quantity; Stability and Change</p>



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<b>Unit 4: Earth's Resources</b>	
<b>Chapter 11: Forestry and Resources Management</b>	
11.1 Resources Management	<p><b>DCI:</b> LS2.A: Interdependent Relationships in Ecosystems; LS2.B: Cycles of Matter and Energy Transfer in Ecosystems; LS2.C: Ecosystem Dynamics, Functioning, and Resilience; LS4.D: Biodiversity and Humans</p> <p><b>SEP:</b> Analyzing and Interpreting Data; Using Mathematics and Computational Thinking; Obtaining, Evaluating, and Communicating Information</p> <p><b>CCC:</b> Patterns; Cause and Effect; Scale, Proportion, and Quantity; Systems and System Models; Structure and Function; Stability and Change</p>

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<p>11.2 Forests and Their Resources</p>	<p><b>DCI:</b> LS2.A: Interdependent Relationships in Ecosystems; LS2.B: Cycles of Matter and Energy Transfer in Ecosystems; LS2.C: Ecosystem Dynamics, Functioning, and Resilience; LS4.D: Biodiversity and Humans</p> <p><b>SEP:</b> Asking Questions and Defining Problems; Developing and Using Models; Planning and Carrying Out Investigations; Analyzing and Interpreting Data; Using Mathematics and Computational Thinking; Constructing Explanations and Designing Solutions; Obtaining, Evaluating, and Communicating Information</p> <p><b>CCC:</b> Patterns; Cause and Effect; Scale, Proportion, and Quantity; Systems and System Models; Structure and Function; Stability and Change</p>

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<p>11.3 Forest Management</p>	<p><b>DCI:</b> LS2.A: Interdependent Relationships in Ecosystems; LS2.B: Cycles of Matter and Energy Transfer in Ecosystems; LS2.C: Ecosystem Dynamics, Functioning, and Resilience; LS4.D: Biodiversity and Humans</p> <p><b>SEP:</b> Asking Questions and Defining Problems; Analyzing and Interpreting Data; Using Mathematics and Computational Thinking; Obtaining, Evaluating, and Communicating Information</p> <p><b>CCC:</b> Patterns; Cause and Effect; Scale, Proportion, and Quantity; Systems and System Models; Stability and Change</p>

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<b>Pearson Environmental Science: Your World, Your Turn</b>	<b>Next Generation Science Standards: DCIs, SEPs, and CCCs</b>
<b>Chapter 12: Soil and Agriculture</b>	
<p>12.1 Soil</p>	<p><b>DCI:</b> ESS2.D: Weather and Climate</p> <p><b>SEP:</b> Asking Questions and Defining Problems; Developing and Using Models; Planning and Carrying Out Investigations; Analyzing and Interpreting Data; Using Mathematics and Computational Thinking; Constructing Explanations and Designing Solutions; Obtaining, Evaluating, and Communicating Information</p> <p><b>CCC:</b> Patterns; Cause and Effect; Scale, Proportion, and Quantity; Energy and Matter; Structure and Function; Stability and Change</p>

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<p>12.2 Soil Degradation and Conservation</p>	<p><b>DCI:</b> LS2.A: Interdependent Relationships in Ecosystems; LS2.C: Ecosystem Dynamics, Functioning, and Resilience; ESS2.E: Biogeology; ESS3.A: Natural Resources; ESS3.C: Human Impacts on Earth Systems; ETS2.B: Influence of Engineering, Technology, and Science on Society and the Natural World</p> <p><b>SEP:</b> Asking Questions and Defining Problems; Planning and Carrying Out Investigations; Analyzing and Interpreting Data; Using Mathematics and Computational Thinking; Constructing Explanations and Designing Solutions; Obtaining, Evaluating, and Communicating Information</p> <p><b>CCC:</b> Patterns; Cause and Effect; Systems and System Models; Energy and Matter; Structure and Function; Stability and Change</p>

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<p>12.3 Agriculture</p>	<p><b>DCI:</b> LS2.A: Interdependent Relationships in Ecosystems; LS2.C: Ecosystem Dynamics, Functioning, and Resilience; LS4.D: Biodiversity and Humans; ESS2.D: Weather and Climate; ESS2.E: Biogeology; ESS3.C: Human Impacts on Earth Systems; ETS2.B: Influence of Engineering, Technology, and Science on Society and the Natural World</p> <p><b>SEP:</b> Asking Questions and Defining Problems; Analyzing and Interpreting Data; Obtaining, Evaluating, and Communicating Information</p> <p><b>CCC:</b> Patterns; Cause and Effect; Scale, Proportion, and Quantity; Systems and System Models; Energy and Matter; Stability and Change</p>

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<b>Pearson Environmental Science: Your World, Your Turn</b>	<b>Next Generation Science Standards: DCIs, SEPs, and CCCs</b>
<p>12.4 Food Production</p>	<p><b>DCI:</b> LS2.A: Interdependent Relationships in Ecosystems; LS4.D: Biodiversity and Humans; ESS3.C: Human Impacts on Earth Systems</p> <p><b>SEP:</b> Asking Questions and Defining Problems; Analyzing and Interpreting Data; Using Mathematics and Computational Thinking; Obtaining, Evaluating, and Communicating Information</p> <p><b>CCC:</b> Patterns; Cause and Effect; Scale, Proportion, and Quantity; Systems and System Models; Energy and Matter; Structure and Function; Stability and Change</p>

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<b>Pearson Environmental Science: Your World, Your Turn</b>	<b>Next Generation Science Standards: DCIs, SEPs, and CCCs</b>
<b>Chapter 13: Mineral Resources and Mining</b>	
13.1 Minerals and Rocks	<p><b>DCI:</b> ESS1.C: The History of Planet Earth; ESS2.B: Plate Tectonics and Large-Scale System Interactions; ESS2.C: The Roles of Water in Earth's Surface Processes; ESS2.E: Biogeology</p> <p><b>SEP:</b> Asking Questions and Defining Problems; Analyzing and Interpreting Data; Obtaining, Evaluating, and Communicating Information</p> <p><b>CCC:</b> Patterns; Cause and Effect; Scale, Proportion, and Quantity; Energy and Matter; Stability and Change</p>
13.2 Mining	<p><b>DCI:</b> ESS3.A: Natural Resources; ESS3.C: Human Impacts on Earth Systems</p> <p><b>SEP:</b> Analyzing and Interpreting Data; Obtaining, Evaluating, and Communicating Information</p> <p><b>CCC:</b> Cause and Effect; Scale, Proportion, and Quantity; Systems and System Models</p>



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<p>13.3 Mining Impacts and Regulation</p>	<p><b>DCI:</b> ESS3.C: Human Impacts on Earth Systems; ETS2.A: Interdependence of Science, Engineering, and Technology; ETS2.B: Influence of Engineering, Technology, and Science on Society and the Natural World</p> <p><b>SEP:</b> Asking Questions and Defining Problems; Developing and Using Models; Analyzing and Interpreting Data; Using Mathematics and Computational Thinking; Constructing Explanations and Designing Solutions; Engaging in Argument from Evidence; Obtaining, Evaluating, and Communicating Information</p> <p><b>CCC:</b> Patterns; Scale, Proportion, and Quantity; Stability and Change</p>

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<b>Chapter 14: Water Resources</b>	
<p>14.1: Earth: The Water Planet</p>	<p><b>DCI:</b> ESS2.C: The Roles of Water in Earth's Surface Processes; ESS3.A: Natural Resources; ESS3.C: Human Impacts on Earth Systems; ETS2.B: Influence of Engineering, Technology, and Science on Society and the Natural World</p> <p><b>SEP:</b> Analyzing and Interpreting Data; Using Mathematics and Computational Thinking; Obtaining, Evaluating, and Communicating Information</p> <p><b>CCC:</b> Patterns; Cause and Effect; Systems and System Models</p>

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<p>14.2: Uses of Fresh Water</p>	<p><b>DCI:</b> LS2.C: Ecosystem Dynamics, Functioning, and Resilience; ESS3.A: Natural Resources; ESS3.C: Human Impacts on Earth Systems; ETS1.B: Developing Possible Solutions; ETS2.B: Influence of Engineering, Technology, and Science on Society and the Natural World</p> <p><b>SEP:</b> Developing and Using Models; Analyzing and Interpreting Data</p> <p><b>CCC:</b> Patterns; Cause and Effect</p>

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<p>14.3 Water Pollution</p>	<p><b>DCI:</b> LS2.A: Interdependent Relationships in Ecosystems; LS2.C: Ecosystem Dynamics, Functioning, and Resilience; ESS2.C: The Roles of Water in Earth's Surface Processes; ESS3.A: Natural Resources; ESS3.C: Human Impacts on Earth Systems</p> <p><b>SEP:</b> Developing and Using Models; Planning and Carrying Out Investigations; Analyzing and Interpreting Data; Using Mathematics and Computational Thinking; Obtaining, Evaluating, and Communicating Information</p> <p><b>CCC:</b> Patterns; Cause and Effect; Scale, Proportion, and Quantity; Systems and System Models; Structure and Function; Stability and Change</p>

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<b>Pearson Environmental Science: Your World, Your Turn</b>	<b>Next Generation Science Standards: DCIs, SEPs, and CCCs</b>
<b>Chapter 15: The Atmosphere</b>	
15.1 Earth's Atmosphere	<p><b>DCI:</b> PS3.D: Energy in Chemical Processes and Everyday Life; ESS2.D: Weather and Climate; ESS3.D: Global Climate Change</p> <p><b>SEP:</b> Asking Questions and Defining Problems; Planning and Carrying Out Investigations; Analyzing and Interpreting Data; Using Mathematics and Computational Thinking; Constructing Explanations and Designing Solutions; Obtaining, Evaluating, and Communicating Information</p> <p><b>CCC:</b> Patterns; Cause and Effect; Scale, Proportion, and Quantity; Systems and System Models; Energy and Matter; Stability and Change</p>
15.2 Pollution of the Atmosphere	<p><b>DCI:</b> LS2.A: Interdependent Relationships in Ecosystems; ESS2.C: The Roles of Water in Earth's Surface Processes; ESS3.A: Natural Resources; ESS3.C: Human Impacts on Earth Systems</p> <p><b>SEP:</b> Asking Questions and Defining Problems; Developing and Using Models; Planning and Carrying Out Investigations; Using Mathematics and Computational Thinking; Obtaining, Evaluating, and Communicating Information</p> <p><b>CCC:</b> Cause and Effect; Systems and System Models; Energy and Matter</p>

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<p>15.3 Controlling Air Pollution</p>	<p><b>DCI:</b> ETS2.B: Influence of Engineering, Technology, and Science on Society and the Natural World</p> <p><b>SEP:</b> Asking Questions and Defining Problems; Developing and Using Models; Analyzing and Interpreting Data; Using Mathematics and Computational Thinking; Constructing Explanations and Designing Solutions; Engaging in Argument from Evidence; Obtaining, Evaluating, and Communicating Information</p> <p><b>CCC:</b> Patterns; Cause and Effect; Scale, Proportion, and Quantity; Systems and System Models; Structure and Function; Stability and Change</p>

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<p align="center"><b>Pearson Environmental Science: Your World, Your Turn</b></p>	<p align="center"><b>Next Generation Science Standards: DCIs, SEPs, and CCCs</b></p>
<p><b>Unit 5: Toward a Sustainable Future</b></p>	
<p><b>Chapter 16: Global Climate Change</b></p>	
<p>16.1 Our Dynamic Climate</p>	<p><b>DCI:</b> PS3.A: Definitions of Energy; PS3.B: Conservation of Energy and Energy Transfer; LS2.B: Cycles of Matter and Energy Transfer in Ecosystems; ESS1.A: The Universe and Its Stars; ESS1.B: Earth and the Solar System; ESS2.D: Weather and Climate; ESS3.D: Global Climate Change</p> <p><b>SEP:</b> Asking Questions and Defining Problems; Developing and Using Models; Planning and Carrying Out Investigations; Analyzing and Interpreting Data; Constructing Explanations and Designing Solutions; Obtaining, Evaluating, and Communicating Information</p> <p><b>CCC:</b> Patterns; Cause and Effect; Scale, Proportion, and Quantity; Systems and System Models; Systems and System Models; Structure and Function; Stability and Change</p>

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<p>16.2 Climate Change</p>	<p><b>DCI:</b> LS2.C: Ecosystem Dynamics, Functioning, and Resilience; ESS1.A: The Universe and Its Stars; ESS1.B: Earth and the Solar System; ESS2.D: Weather and Climate; ESS3.C: Human Impacts on Earth Systems; ESS3.D: Global Climate Change</p> <p><b>SEP:</b> Asking Questions and Defining Problems; Using Mathematics and Computational Thinking; Constructing Explanations and Designing Solutions; Obtaining, Evaluating, and Communicating Information</p> <p><b>CCC:</b> Patterns; Cause and Effect; Scale, Proportion, and Quantity; Systems and System Models; Structure and Function; Stability and Change</p>



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<p>16.3 Effects of Climate Change</p>	<p><b>DCI:</b> LS4.D: Biodiversity and Humans; ESS2.D: Weather and Climate; ESS2.E: Biogeology; ESS3.A: Natural Resources; ESS3.C: Human Impacts on Earth Systems; ESS3.D: Global Climate Change; ETS2.A: Interdependence of Science, Engineering, and Technology; ETS2.B: Influence of Engineering, Technology, and Science on Society and the Natural World</p> <p><b>SEP:</b> Analyzing and Interpreting Data; Using Mathematics and Computational Thinking; Obtaining, Evaluating, and Communicating Information</p> <p><b>CCC:</b> Patterns; Cause and Effect; Scale, Proportion, and Quantity; Stability and Change</p>

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<p>16.4 Responding to Climate Change</p>	<p><b>DCI:</b> LS4.D: Biodiversity and Humans; ESS2.D: Weather and Climate; ESS2.E: Biogeology; ESS3.A: Natural Resources; ESS3.C: Human Impacts on Earth Systems; ESS3.D: Global Climate Change; ETS2.A: Interdependence of Science, Engineering, and Technology; ETS2.B: Influence of Engineering, Technology, and Science on Society and the Natural World</p> <p><b>SEP:</b> Asking Questions and Defining Problems; Analyzing and Interpreting Data; Using Mathematics and Computational Thinking; Engaging in Argument from Evidence; Obtaining, Evaluating, and Communicating Information</p> <p><b>CCC:</b> Cause and Effect; Scale, Proportion, and Quantity; Systems and System Models; Energy and Matter; Structure and Function; Stability and Change</p>
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<b>Pearson Environmental Science: Your World, Your Turn</b>	<b>Next Generation Science Standards: DCIs, SEPs, and CCCs</b>
<b>Chapter 17: Nonrenewable Energy</b>	
<p>17.1 Energy: An Overview</p>	<p><b>DCI:</b> PS1.C: Nuclear Processes; PS3.A: Definitions of Energy; PS3.B: Conservation of Energy and Energy Transfer; PS3.D: Energy in Chemical Processes and Everyday Life; LS2.B: Cycles of Matter and Energy Transfer in Ecosystems; ETS2.B: Influence of Engineering, Technology, and Science on Society and the Natural World</p> <p><b>SEP:</b> Asking Questions and Defining Problems; Developing and Using Models; Planning and Carrying Out Investigations; Analyzing and Interpreting Data; Using Mathematics and Computational Thinking; Constructing Explanations and Designing Solutions; Obtaining, Evaluating, and Communicating Information</p> <p><b>CCC:</b> Patterns; Cause and Effect; Scale, Proportion, and Quantity; Systems and System Models; Energy and Matter; Structure and Function; Stability and Change</p>

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<p>17.2 Fossil Fuels</p>	<p><b>DCI:</b> PS3.D: Energy in Chemical Processes and Everyday Life; ESS3.A: Natural Resources; ESS3.C: Human Impacts on Earth Systems; ETS2.A: Interdependence of Science, Engineering, and Technology</p> <p><b>SEP:</b> Asking Questions and Defining Problems; Developing and Using Models; Analyzing and Interpreting Data; Using Mathematics and Computational Thinking; Constructing Explanations and Designing Solutions; Obtaining, Evaluating, and Communicating Information; Scale, Proportion, and Quantity</p> <p><b>CCC:</b> Patterns; Cause and Effect; Systems and System Models; Energy and Matter; Structure and Function; Stability and Change</p>

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<p>17.3 Consequences of Fossil Fuel Use</p>	<p><b>DCI:</b> ESS3.A: Natural Resources; ESS3.C: Human Impacts on Earth Systems; ETS2.B: Influence of Engineering, Technology, and Science on Society and the Natural World</p> <p><b>SEP:</b> Asking Questions and Defining Problems; Analyzing and Interpreting Data; Using Mathematics and Computational Thinking; Obtaining, Evaluating, and Communicating Information</p> <p><b>CCC:</b> Patterns; Cause and Effect; Scale, Proportion, and Quantity; Systems and System Models; Energy and Matter; Structure and Function; Stability and Change</p>

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<p>17.4 Nuclear Power</p>	<p><b>DCI:</b> PS1.A: Structures and Properties of Matter; PS1.B: Chemical Reactions; PS1.C: Nuclear Processes; PS2.B: Types of Interactions</p> <p><b>SEP:</b> Asking Questions and Defining Problems; Developing and Using Models; Analyzing and Interpreting Data; Using Mathematics and Computational Thinking; Obtaining, Evaluating, and Communicating Information</p> <p><b>CCC:</b> Patterns; Cause and Effect; Energy and Matter; Structure and Function</p>
<p><b>Chapter 18: Renewable Energy Alternatives</b></p>	
<p>18.1 Biomass and Geothermal Energy</p>	<p><b>DCI:</b> ETS2.A: Interdependence of Science, Engineering, and Technology; ETS2.B: Influence of Engineering, Technology, and Science on Society and the Natural World</p> <p><b>SEP:</b> Developing and Using Models; Analyzing and Interpreting Data; Using Mathematics and Computational Thinking; Obtaining, Evaluating, and Communicating Information</p> <p><b>CCC:</b> Cause and Effect; Scale, Proportion, and Quantity; Systems and System Models; Structure and Function</p>

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<p>18.2 Hydropower and Ocean Energy</p>	<p><b>DCI:</b> ETS2.A: Interdependence of Science, Engineering, and Technology; ETS2.B: Influence of Engineering, Technology, and Science on Society and the Natural World</p> <p><b>SEP:</b> Developing and Using Models; Engaging in Argument from Evidence</p> <p><b>CCC:</b> Cause and Effect; Systems and System Models; Energy and Matter; Structure and Function</p>
<p>18.3 Solar and Wind Energy</p>	<p><b>DCI:</b> ETS2.A: Interdependence of Science, Engineering, and Technology; ETS2.B: Influence of Engineering, Technology, and Science on Society and the Natural World</p> <p><b>SEP:</b> Asking Questions and Defining Problems; Developing and Using Models; Planning and Carrying Out Investigations; Analyzing and Interpreting Data; Using Mathematics and Computational Thinking; Constructing Explanations and Designing Solutions; Obtaining, Evaluating, and Communicating Information</p> <p><b>CCC:</b> Patterns; Systems and System Models; Energy and Matter; Structure and Function</p>

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<p>18.4 Energy from Hydrogen</p>	<p><b>DCI:</b> ETS2.A: Interdependence of Science, Engineering, and Technology; ETS2.B: Influence of Engineering, Technology, and Science on Society and the Natural World</p> <p><b>SEP:</b> Developing and Using Models; Analyzing and Interpreting Data; Using Mathematics and Computational Thinking; Constructing Explanations and Designing Solutions; Obtaining, Evaluating, and Communicating Information</p> <p><b>CCC:</b> Cause and Effect; Scale, Proportion, and Quantity; Systems and System Models; Structure and Function</p>



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<b>Chapter 19: Waste Management</b>	
19.1 Municipal and Industrial Waste	<p><b>DCI:</b> ETS2.A: Interdependence of Science, Engineering, and Technology; ETS2.B: Influence of Engineering, Technology, and Science on Society and the Natural World</p> <p><b>SEP:</b> Using Mathematics and Computational Thinking; Constructing Explanations and Designing Solutions; Obtaining, Evaluating, and Communicating Information</p> <p><b>CCC:</b> Patterns; Cause and Effect; Scale, Proportion, and Quantity; Systems and System Models; Energy and Matter; Structure and Function</p>
19.2 Minimizing Solid Waste	<p><b>DCI:</b> ETS2.A: Interdependence of Science, Engineering, and Technology; ETS2.B: Influence of Engineering, Technology, and Science on Society and the Natural World</p> <p><b>SEP:</b> Developing and Using Models; Analyzing and Interpreting Data; Using Mathematics and Computational Thinking; Constructing Explanations and Designing Solutions; Obtaining, Evaluating, and Communicating Information</p> <p><b>CCC:</b> Patterns; Cause and Effect; Scale, Proportion, and Quantity; Systems and System Models; Energy and Matter; Structure and Function</p>

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<p>19.3 Hazardous Waste</p>	<p><b>DCI:</b> ETS2.A: Interdependence of Science, Engineering, and Technology; ETS2.B: Influence of Engineering, Technology, and Science on Society and the Natural World</p> <p><b>SEP:</b> Developing and Using Models; Analyzing and Interpreting Data; Using Mathematics and Computational Thinking; Constructing Explanations and Designing Solutions; Engaging in Argument from Evidence; Obtaining, Evaluating, and Communicating Information</p> <p><b>CCC:</b> Patterns; Cause and Effect; Scale, Proportion, and Quantity; Systems and System Models; Energy and Matter; Structure and Function</p>