

# Common U.S. and international topics for Population 2 science.

International	U.S.
<b>CURRICULUM GUIDES (Not In Textbooks)</b>	
<p><b>Life Sciences</b></p> <ul style="list-style-type: none"> <li>Diversity, Organization, Structure of Living Things</li> <li>Other Organisms (Types of Microorganisms)</li> <li>Cells</li> <li>Life Spirals, Genetic Continuity, Diversity</li> <li>Evolution, Speciation, Diversity</li> <li>Interactions of Living Things</li> <li>Biomes &amp; Ecosystems</li> <li>Habitats &amp; Niches</li> <li>Animal Behavior</li> <li>Human Biology &amp; Health</li> </ul> <p><b>Physical Sciences</b></p> <ul style="list-style-type: none"> <li>Structure of Matter</li> <li>Subatomic Particles</li> <li>Energy and Physical Processes</li> <li>Magnetism</li> </ul> <p><b>Environmental and Resource Issues</b></p> <ul style="list-style-type: none"> <li>World Population</li> <li>Food Production, Storage</li> <li>Effects of Natural Disasters</li> </ul> <p><b>Nature of Science</b></p> <ul style="list-style-type: none"> <li>Nature of Scientific Knowledge</li> </ul>	
<b>CURRICULUM GUIDES (Included in Textbooks)</b>	
<p><b>Earth Sciences</b></p> <ul style="list-style-type: none"> <li>Earth Features</li> <li>Rocks, Soil</li> <li>Earth Processes</li> <li>Weather &amp; Climate</li> </ul> <p><b>Life Sciences</b></p> <ul style="list-style-type: none"> <li>Diversity, Organization, Structure of Living Things</li> <li>Plants, Fungi</li> <li>Animals</li> <li style="color: pink;">Organs, Tissues*</li> <li>Life Processes and Systems Enabling Life Functions</li> <li>Energy Handling</li> <li>Sensing &amp; Responding</li> <li>Life Spirals, Genetic Continuity, Diversity</li> <li>Life Cycles</li> <li>Reproduction</li> <li>Interactions of Living Things</li> <li>Interdependence of Life</li> <li>Human Biology and Health</li> <li>Disease</li> </ul> <p><b>Physical Sciences</b></p> <ul style="list-style-type: none"> <li>Matter</li> <li>Classification of Matter</li> <li>Physical Properties</li> <li>Chemical Properties</li> <li>Structure of Matter</li> <li>Atoms, Ions, Molecules</li> <li>Energy and Physical Processes</li> <li>Energy Types, Sources, Conversions</li> <li>Heat &amp; Temperature</li> <li>Light</li> <li>Electricity</li> <li>Chemical Transformations</li> <li>Explanations of Chemical Changes</li> <li>Forces and Motion</li> <li>Types of Forces</li> </ul>	<p><b>Life Sciences</b></p> <ul style="list-style-type: none"> <li>Diversity, Organization, Structure of Living Things</li> <li>Plants, Fungi</li> <li>Organs, Tissues</li> </ul> <p>Interactions of Living Things</p> <p>Interdependence of Life</p> <p><b>Physical Sciences</b></p> <ul style="list-style-type: none"> <li>Matter</li> <li>Physical Properties</li> <li>Chemical Properties</li> <li>Energy and Physical Processes</li> <li>Energy Types, Sources, Conversions</li> <li>Electricity</li> <li>Forces and Motion</li> <li>Time, Space, and Motion</li> </ul>

**Science, Technology, and Mathematics**

Interactions of Science, Mathematics and Technology  
Science Applications in Math, Technology  
Interactions of Science, Technology and Society  
Influence of Science, Technology on Society

**Environmental and Resource Issues**

Pollution  
Conservation of Land, Water, & Sea Resources  
Conservation of Material & Energy Resources

**Environmental and Resource Issues**

Pollution

**Nature of Science**

Nature of Scientific Knowledge

**EXCLUSIVELY IN TEXTBOOKS**

**Earth Sciences**

Earth Features

Rocks, Soil

**Earth Sciences**

Earth Features  
Landforms  
Bodies of Water  
Atmosphere  
Rocks, Soil  
Ice Forms  
Earth Processes  
Weather & Climate  
Physical Cycles  
Earth's History  
Earth in the Universe  
Earth in the Solar System  
Planets in the Solar System

**Life Sciences**

Diversity, Organization, Structure of Living Things  
Animals  
Other Organisms  
Cells  
Life Processes and Systems Enabling Life Functions  
Energy Handling  
Sensing & Responding  
Life Spirals, Genetic Continuity, Diversity  
Life Cycles  
Reproduction  
Evolution, Speciation, Diversity  
Interaction of Living Things  
Biomes & Ecosystems  
Human Biology and Health  
Nutrition  
Disease

**Physical Sciences**

Physical Transformations  
Physical Changes

Forces and Motion

Time, Space, & Motion

**Physical Sciences**

Matter  
Classification of Matter  
Structure of Matter  
Atoms, Ions, Molecules  
Subatomic Particles  
Energy and Physical Processes  
Heat & Temperature  
Sound & Vibration  
Physical Transformations  
Physical Changes  
Chemical Transformations  
Chemical Changes  
Nuclear Chemistry  
Forces and Motion  
Types of Forces

**Science, Technology, and Mathematics**

Nature or Conceptions of Technology  
Interactions of Science, Mathematics and Technology  
Applications of Science in Math, Technology  
Interactions of Science, Technology, and Society  
Influence of Science, Technology on Society

**History of Science & Technology**

**Environmental and Resources Issues**

Conservation of Land, Water, & Sea Resources  
Conservation of Material & Energy Resource  
Food Production, Storage  
Effect of Natural Disasters

**Nature of Science**

The Scientific Enterprise  
Science and Other Disciplines  
Scientific and Mathematics  
Science and Other Disciplines