

Wisconsin High School Science
Curriculum Standards

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Earth and Space Science	Boardworks High School Earth Science Presentations
ENERGY IN THE EARTH SYSTEM	
<p>E. 12.1 Using the science themes, distinguish between internal energies (decay of radioactive isotopes, gravity) and external energies (sun) in the earth's systems and show how these sources of energy have an impact on those systems</p>	<p>Gravity and Orbits Heat Transfer and Global Interactions ENSO Radioactive Dating Weather and Climate Recycling Nutrients The Water Cycle Plate Tectonics</p>
GEOCHEMICAL CYCLES	
<p>E.12.2 Analyze the geochemical and physical cycles of the earth and use them to describe movements of matter</p>	<p>The Carbon Cycle The Nitrogen Cycle The Water Cycle The Rock Cycle Erosion, Transportation and Deposition</p>
THE ORIGIN AND EVOLUTION OF THE EARTH SYSTEM	
<p>E.12.3 Using the science themes, describe theories of the origins and evolution of the universe and solar system, including the earth system as a part of the solar system, and relate these theories and their implications to geologic time on earth</p>	<p>The Atmosphere Plate Tectonics Earth's Structure Planets of the Solar System Structure of the Universe</p>

<p>E.12.4 Analyze the benefits, costs, and limitations of past, present, and projected use of resources and technology and explain the consequences to the environment</p>	<p>Climate Change Predicting Climate Change Greenhouse Gases Fossil Fuels Human Impact on the Environment Loss of Diversity Air Pollution Water Pollution The Impact of Using CFCs The Impact of Mining Extinction Crude Oil Nuclear Fission Nuclear Fusion Solar Energy</p>
<p>THE ORIGIN AND EVOLUTION OF THE UNIVERSE</p>	
<p>E.12.5 Using the science themes, understand that the origin of the universe is not completely understood, but that there are current ideas in science that attempt to explain its origin</p>	<p>Planets of the Solar System The Atmosphere Doppler Effect</p>