

Middle School Comparison of Topics Across Standards Documents

Grade Level	2002 Ohio Science Standards	2010 Ohio Science Standards
Sixth Grade	<p><u>Earth Science</u> Rocks & Minerals</p> <p><u>Life Science</u> Cells Structure, Function & Organization Sexual & Asexual Reproduction</p> <p><u>Physical Science</u> Properties of Matter Changes of Matter Renewable & Nonrenewable Resources & Energy</p>	<p><u>Earth Science</u> Rocks & Minerals Soil</p> <p><u>Life Science</u> Cells Structure, Function & Organization Transfer of Matter in Ecosystems</p> <p><u>Physical Science</u> Make up of Matter States of Matter Potential and Kinetic Energy Describing Motion</p>
Seventh Grade	<p><u>Earth Science</u> Earth & Its Water Weather & Climate Interactions & Cycles of Earth's Various Spheres</p> <p><u>Life Science</u> Diversity of Organisms Energy in Ecosystems Relationships of Organisms in Ecosystems Inherited & Environmental Traits</p> <p><u>Physical Science</u> Potential and Kinetic Energy Energy Transformations</p>	<p><u>Earth Science</u> Space & Universe Energy transfer & Climate Atmosphere</p> <p><u>Life Science</u> Abiotic & biotic factors in biome</p> <p><u>Physical Science</u> Properties of Elements Energy Transformations & Transfers</p>
Eighth Grade	<p><u>Earth Science</u> Earth, Moon, Sun Space & Universe Plate tectonics Changes on Earth's Surface</p> <p><u>Life Science</u> Reproduction & Survival Adaptation and Extinction</p> <p><u>Physical Science</u> Conservation of Matter Waves and Energy Transfer & Transfers Force & Motion</p>	<p><u>Earth Science</u> Geologic history Plate tectonics Changes on Earth's Surface Earth & Its Water</p> <p><u>Life Science</u> Reproduction Adaptation and Extinction Inherited & Environmental Traits</p> <p><u>Physical Science</u> Types of Potential Energy Forces</p>