

## K-5 Comparison of Topics Across Standards Documents

Grade Level	2002 Ohio Science Standards	2010 Ohio Science Standards	NGSS
<b>Kindergarten</b>	Sun, Moon & Stars Changes Weather & Seasons Living & Nonliving Needs of Living Things Traits & Features of Living Things Properties Motion	Sun, Moon & Stars Weather & Seasons Living & Nonliving Traits & Features of Living Things Properties Sound	Changes Weather & Seasons Living & Nonliving Needs of Living Things Properties Natural & Manmade Materials
<b>First Grade</b>	Changes & Cycles Resources & Tools Needs & Survival Traits & Features of Living Things Properties	Weather & Seasons Needs & Survival Properties Motion	Changes & Cycles Seasons Tools Needs & Survival Traits & Features of Living Things Light & Sound
<b>Second Grade</b>	Sun, Moon & Stars Weather & Seasons Needs & Survival Changes & Environment Light & Sound Friction	Water Weather & Seasons Changes & Environment Motion	Water Water, Wind & Earth Needs & Survival Changes & Environment Properties Motion
<b>Third Grade</b>	Rocks & Soil Environment & Habitat Life Cycles, Traits & Survival Force & Motion	Rocks & Soil Earth's Resources Life Cycles, Traits & Survival Matter Forms of Energy	Weather Environment & Habitat Life Cycles, Traits & Survival Force & Motion
<b>Fourth Grade</b>	Changes On Earth Surface Weather & Climate Life Cycles, Traits & Reproduction Matter & Changes Energy Transfer	Changes On Earth Surface Environmental Change Life Cycles, Traits & Reproduction Matter & Changes Energy Transfer	Changes On Earth Surface Climate Life Cycles, Traits & Reproduction Energy Transfer Energy, Force & Motion Waves
<b>Fifth Grade</b>	Solar System & Space Earth's Resources Organisms, Energy & Ecosystems Light & Sound Thermal Energy Electrical Energy	Solar System & Space Organisms, Energy & Ecosystems Light & Sound Motion	Solar System & Space Earth's Resources Weather & Climate Organisms, Energy & Ecosystems Matter