

Science Curriculum Map

Grade and/or Course: Seventh Grade Science

	Quarter 1:	Quarter 2:	Quarter 3:	Quarter 4:
Essential Questions	How do forces inside and outside the earth change the physical environment	What are the relationships between physical objects, events and processes?	How is diversity in life seen in plants and animals?	What are some interrelationships between living organisms?
Content in terms of essential Concepts and topics	Processes that shape the Earth, Galaxies, Stars, and Earth <ul style="list-style-type: none"> • Stars, Galaxies and the Universe • Introduction to Rock Cycle • The Restless Earth • Volcanoes • Agents of Erosion and Deposition 	The Nature of Matter <ul style="list-style-type: none"> • Matter in Motion • Forces and Motion • Chemical Reactions 	The Basis of Life <ul style="list-style-type: none"> • Alive or Not • Cells in Action • Bacteria and Viruses 	The Interdependence of Life <ul style="list-style-type: none"> • Understanding Diseases • The Digestive and Urinary Systems • Environmental Problems and Solutions
Standards/Skills i.e., processes and skills emphasized Indiana Academic Standards and MCSC skills	7.3.3-7.3.10&7.3.1,7.3.2	7.3.11-7.3.20 7.1.1-7.1.11 7.2.1-7.2.8(on-going) 7.5.1-7.5.4(on-going) 7.7.1-7.7.4(on-going)	7.4.1-7.4.5(omit 7.4.2 8th grade standard	7.1.8, 7.4.6-7.4.14&7.6.1-7.6.4
Products/Assessments (It is assumed that teachers will assess students with traditional tests.)	Build a model of Earth's interior. Create a personal timeline	Design and build scale models	Build a cell model and students will draw and label all phases of mitotic cell division	Construct roadmap of human circulation
Resources	<p align="center"> Web Sites GeoMysteries Cool Cosmos Terraserver NASA USGS Planetarium </p>	<p align="center"> Web Sites NASA </p>	<p align="center"> Web Sites Cell's Alive </p>	<p align="center"> Web Sites www.bam.gov </p>

www.schoolnotes.com, Scilinks, Hoosier Association of Science Teachers, NSTA, Geographer's Network of Indiana, [Science Scope](#), CDC, Science Netlinks, Brain POP, Yahoo!igans, [Science Daily](#)

