

Science Year 3

Unit Title	Sun-Earth Moon	Analyzing Solar Energy Data, Using Equations	Development and Reproduction of Organisms	My Heart-My Health	Motors and Simple Machines	Teenage Brain
SOI	Modeling the relationships between celestial bodies (sun-earth-moon) leads to an understanding of the universe in space and time	Understanding solar changes through modeling systems allow us to relate patterns in space and time	Interactions and relationships among and between plants and animals often determine the outcome of the species	Identity is affected by functioning body systems that interact often affecting other relationships	Modeling the movement of simple machines using scientific and technical innovation helps us to understand complex systems	Understanding the structure of the brain through models and movement may help make connections about our world, or identities, and our relationships
Key Concept	Relationships	Change	Relationships	Systems	Systems	Connections
Related Concepts	Models Patterns	Modeling Systems Patterns	Interaction Transformation	Interactions Functions	Function Modeling	Modeling Movement
Global Context	Orientation in space and time	Orientation in Space and Time	Identities and Relationships	Identities and Relationships	Scientific and technical innovation	Identities and relationships
Criterion	A. i,ii,iii D. i,ii,iii	B. i,ii,iii,iv C. i,ii,iii,iv,v	A. i,ii,iii D. i,ii,iii	A. i,ii,iii D. i,ii,iii	A. B. i,ii,iii C. i,ii,iii,iv,v	A. i,ii,iii D. i,ii,iii,iv
ATL	Communication Research Thinking	Communication Social Self-Management Research Thinking-transfer	Communication Social Self-Management Thinking	Social-Collaborative Self-Management Thinking	Communication Social Self-Management Research Thinking	Communication Social Self-Management Research Thinking
Content	Sun-earth-moon system Tracking shadows, seasons, lunar phases, NASA Spin-offs, solar-lunar eclipses, gravity/tides, sun as energy, sunspots and space weather	Scientific method, cooperative lab groups, data collection and analysis, presentation of date with poster and graphing	Organisms, Wisconsin Fast Plants, exploring cells, insect cycle, cell division, sexual reproduction in flowering plants, endangered species, leaf structure and transpiration, Mendel's genetics	Student Health Profile, Circulatory System	Exploring motors, pulleys and levers, mechanical and efficiency of machines, tech design-Rube Goldberg	Brain architecture, functions, neurons, sculpt a brain, build a neuron, artistic brain and brain games