

Science Year 1

Unit Title	Think Like a Scientist	Writing Gets Electrified (Interdisciplinary Unit)	Ride the Behavior of Waves	What's the MATTER with Chemistry?	We Can Make it Better! Ice Cream Design Challenge	Ecosystems and Interdependence
SOI	The Scientific Method allows us to investigate the form and function of patterns observed in natural systems.	We use writing structures to synthesize and share information.	Engineers use properties of waves to advance technology and design everyday tools.	We use the relationship between matter and energy to identify a substance based on change.	Human ingenuity drives the change and development of innovative products.	Understanding the relationship between interactions in an ecosystem and energy impacts the decisions we make globally.
Key Concept	Systems	Form	Relationships	Change	Development	Relationships
Related Concepts	Form, function	Systems	Energy Movement and Interaction	Relationship Energy	Change	Energy, Interaction
Global Context	Scientific and Technical Innovation	Globalization and Sustainability (through communication)	Scientific and Technological Innovation	Identities and Relationships	Scientific and Technological Innovation	Globalization and Sustainability
Criterion	A. i,ii,iii B. i,ii, iii, iv C. i,ii,ii,iv,v	A. i,ii,iii B. i,ii,iii,iv C. i,ii,iii,iv,v D. i,ii,iii,iv	A. i,ii,iii B. i,ii,iii,iv C. iv,v	A. i,ii,iii B. i,ii,iii,iv C. i,ii,ii,iv,v	C. i,ii,iii,iv,v D. i,ii,iii,iv	A. i,ii,iii D. i,ii,iii,iv
ATL	Communication Self Management-Reflection, Organization	Communication Research-Media Literacy Critical and Creative Thinking	Self-Management-Organization, Affective skills Critical Thinking	Creative Thinking Communication Self-management	Communication Social Collaboration Skills Creative thinking Thinking-Transfer	Communication Self-Management, Organization
Content	Understanding the Scientific Method	Magnetism and Electric circuits	Wave behavior, properties of sound, light, color,electromagnetic spectrum and communication	Properties of matter, mixtures and solutions, physical and chemical changes, states of matter, relationships between volume, temperature, and pressure of a gas	Relationship between temperature of a substance and the average kinetic energy of the particles, the design cycle	Ecosystems; abiotic, biotic Energy Flow Biodiversity