

Scope and Sequence

Inspire Biology

MODULE	The Study of Life
UNIT 1 ECOLOGY	
MODULE	Principles of Ecology
MODULE	Communities, Biomes, and Ecosystems
MODULE	Population Ecology
MODULE	Biodiversity and Conservation
UNIT 2 THE CELL	
MODULE	Chemistry in Biology
MODULE	Cellular Structure and Function
MODULE	Cellular Energy
MODULE	Cellular Reproduction and Sexual Reproduction
UNIT 3 GENETICS	
MODULE	Introduction to Genetics and Patterns of Inheritance
MODULE	Molecular Genetics
MODULE	Biotechnology
UNIT 4 HISTORY OF BIOLOGICAL DIVERSITY	
MODULE	The History of Life
MODULE	Evolution
MODULE	Primate Evolution
MODULE	Organizing Life's Diversity
UNIT 5 THE DIVERSITY OF LIFE	
MODULE	Bacteria and Viruses
MODULE	Protists and Fungi
MODULE	Introduction to Plants
MODULE	Introduction to Animals
MODULE	Animal Diversity and Behavior
UNIT 6 THE HUMAN BODY	
MODULE	Integumentary, Skeletal, and Muscular Systems
MODULE	Nervous System
MODULE	Circulatory, Respiratory, and Excretory Systems
MODULE	Digestive and Endocrine Systems
MODULE	Human Reproduction and Development
MODULE	The Immune System

Inspire Chemistry

MODULE	The Central Science
UNIT 1 STRUCTURE AND PROPERTIES OF MATTER	
MODULE	Matter—Properties and Changes
MODULE	The Structure of the Atom
MODULE	Electrons in Atoms
MODULE	The Periodic Table and Periodic Law
UNIT 2 CHEMICAL BONDING AND REACTIONS	
MODULE	Ionic Compounds and Metals
MODULE	Covalent Bonding
MODULE	Chemical Reactions
MODULE	The Mole
MODULE	Stoichiometry
UNIT 3 MATTER, ENERGY, AND EQUILIBRIUM	
MODULE	States of Matter
MODULE	Gases
MODULE	Mixtures and Solutions
MODULE	Energy and Chemical Change
MODULE	Reaction Rates
MODULE	Chemical Equilibrium
MODULE	Acids and Bases
UNIT 4 ORGANIC AND NUCLEAR CHEMISTRY	
MODULE	Hydrocarbons
MODULE	Substituted Hydrocarbons and Their Reaction
MODULE	The Chemistry of Life
MODULE	Nuclear Chemistry

Inspire Physics

MODULE	A Physics Toolkit
UNIT 1 MECHANICS IN ONE DIMENSION	
MODULE	Representing Motion
MODULE	Accelerated Motion
MODULE	Forces in One Dimension
UNIT 2 MECHANICS IN TWO DIMENSIONS	
MODULE	Displacement and Force in Two Dimensions
MODULE	Motion in Two Dimensions
MODULE	Gravitation
MODULE	Rotational Motion
UNIT 3 MOMENTUM AND ENERGY	
MODULE	Momentum and its Conservation
MODULE	Energy and its Conservation
MODULE	Thermal Energy
MODULE	States of Matter
UNIT 4 WAVES AND LIGHT	
MODULE	Vibrations and Waves
MODULE	Sound
MODULE	Fundamentals of Light
MODULE	Reflection and Refraction
MODULE	Interference and Diffraction
UNIT 5 ELECTRICITY AND MAGNETISM	
MODULE	Electrostatics
MODULE	Electric Current and Circuits
MODULE	Magnetic Fields
MODULE	Electromagnetism
UNIT 6 SUBATOMIC PHYSICS	
MODULE	Quantum Theory and the Atom
MODULE	Solid State Electronics
MODULE	Nuclear and Particle Physics

Earth Science

MODULE	Introduction to Earth Science
UNIT 1	COMPOSITION OF EARTH
MODULE	Matter and Change
MODULE	Minerals
MODULE	Rocks
UNIT 2	SURFACE PROCESSES ON EARTH
MODULE	Weathering, Erosion, and Soil
MODULE	Mass Movements, Wind, and Glaciers
MODULE	Water
UNIT 3	THE ATMOSPHERE AND THE OCEANS
MODULE	Atmosphere
MODULE	Meteorology
MODULE	The Nature of Storms
MODULE	Climate
MODULE	Earth's Oceans
UNIT 4	THE DYNAMIC EARTH
MODULE	Plate Tectonics
MODULE	Volcanism
MODULE	Earthquakes
MODULE	Mountain Building
UNIT 5	GEOLOGIC TIME
MODULE	Fossils and the Rock Record
MODULE	Geologic Time Scale
UNIT 6	RESOURCES AND THE ENVIRONMENT
MODULE	Earth's Resources
MODULE	Human Impact on Resources
UNIT 7	BEYOND EARTH
MODULE	The Sun-Earth-Moon System
MODULE	Our Solar System
MODULE	Stars
MODULE	Galaxies and the Universe

Physical Science

MODULE	The Nature of Science
UNIT 1	MOTION AND FORCES
MODULE	Motion
MODULE	Forces and Newton's Laws
UNIT 2	ENERGY
MODULE	Work and Energy
MODULE	Thermal Energy
MODULE	Electricity
MODULE	Magnetism and its Uses
MODULE	Energy Sources and the Environment
UNIT 3	WAVES
MODULE	Introduction to Waves
MODULE	Sound
MODULE	Electromagnetic Waves
MODULE	Light
MODULE	Mirrors and Lenses
UNIT 4	MATTER
MODULE	Solids, Liquids, and Gases
MODULE	Classification of Matter
MODULE	Properties of Atoms and the Periodic Table
MODULE	Elements and their Properties
UNIT 5	REACTIONS
MODULE	Chemical Bonds
MODULE	Chemical Reactions
MODULE	Radioactivity and Nuclear Reactions
UNIT 6	APPLICATIONS OF CHEMISTRY
MODULE	Solutions
MODULE	Acids, Bases, and Salts
MODULE	Organic Compounds
MODULE	New Materials Through Chemistry
UNIT 7	EARTH
MODULE	Earth's Internal Processes
MODULE	Earth Materials
MODULE	Earth's Changing Surface
MODULE	Weather and Climate
UNIT 8	SPACE
MODULE	The Earth-Moon-Sun System
MODULE	The Solar System
MODULE	Stars and Galaxies

Physical Science with Earth

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