

## Inspire Biology

MODULE	The Study of Life
<b>UNIT 1 ECOLOGY</b>	
MODULE	Principles of Ecology
MODULE	Communities, Biomes, and Ecosystems
MODULE	Population Ecology
MODULE	Biodiversity and Conservation
<b>UNIT 2 THE CELL</b>	
MODULE	Chemistry in Biology
MODULE	Cellular Structure and Function
MODULE	Cellular Energy
MODULE	Cellular Reproduction and Sexual Reproduction
<b>UNIT 3 GENETICS</b>	
MODULE	Introduction to Genetics and Patterns of Inheritance
MODULE	Molecular Genetics
MODULE	Biotechnology
<b>UNIT 4 HISTORY OF BIOLOGICAL DIVERSITY</b>	
MODULE	The History of Life
MODULE	Evolution
MODULE	Primate Evolution
MODULE	Organizing Life's Diversity
<b>UNIT 5 THE DIVERSITY OF LIFE</b>	
MODULE	Bacteria and Viruses
MODULE	Protists and Fungi
MODULE	Introduction to Plants
MODULE	Introduction to Animals
MODULE	Animal Diversity and Behavior
<b>UNIT 6 THE HUMAN BODY</b>	
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
<b>UNIT 1 STRUCTURE AND PROPERTIES OF MATTER</b>	
MODULE	Matter—Properties and Changes
MODULE	The Structure of the Atom
MODULE	Electrons in Atoms
MODULE	The Periodic Table and Periodic Law
<b>UNIT 2 CHEMICAL BONDING AND REACTIONS</b>	
MODULE	Ionic Compounds and Metals
MODULE	Covalent Bonding
MODULE	Chemical Reactions
MODULE	The Mole
MODULE	Stoichiometry
<b>UNIT 3 MATTER, ENERGY, AND EQUILIBRIUM</b>	
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
<b>UNIT 4 ORGANIC AND NUCLEAR CHEMISTRY</b>	
MODULE	Hydrocarbons
MODULE	Substituted Hydrocarbons and Their Reaction
MODULE	The Chemistry of Life
MODULE	Nuclear Chemistry

## Inspire Physics

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

## Earth Science

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

## Physical Science

MODULE	The Nature of Science
<b>UNIT 1 MOTION AND FORCES</b>	
MODULE	Motion
MODULE	Forces and Newton's Laws
<b>UNIT 2 ENERGY</b>	
MODULE	Work and Energy
MODULE	Thermal Energy
MODULE	Electricity
MODULE	Magnetism and its Uses
MODULE	Energy Sources and the Environment
<b>UNIT 3 WAVES</b>	
MODULE	Introduction to Waves
MODULE	Sound
MODULE	Electromagnetic Waves
MODULE	Light
MODULE	Mirrors and Lenses
<b>UNIT 4 MATTER</b>	
MODULE	Solids, Liquids, and Gases
MODULE	Classification of Matter
MODULE	Properties of Atoms and the Periodic Table
MODULE	Elements and Their Properties
<b>UNIT 5 REACTIONS</b>	
MODULE	Chemical Bonds
MODULE	Chemical Reactions
MODULE	Radioactivity and Nuclear Reactions
<b>UNIT 6 APPLICATIONS OF CHEMISTRY</b>	
MODULE	Solutions
MODULE	Acids, Bases, and Salts
MODULE	Organic Compounds
MODULE	New Materials Through Chemistry

## Physical Science with Earth

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