

AUGUST - SEPTEMBER:

THEME: PHYSICAL SCIENCE

Week 1: Science (1.a, 1.b)

An exciting overview of the branches of science and how science has changed our world

Week 2: Studying the Universe (1.c)

Introduces tools of science, how they are used and the concepts of scientific inquiry, scientific method, measurement and scientific problem solving

Week 3: Building a Universe (1.d, 1.e, 1.f)

Introduces atoms, elements and molecules

Week 4: States of Matter (2.b, 2.g)

Introduces liquids, solids and gases, chemical reactions, mixtures and how heat changes matter

Week 5: Properties of Matter (2.a, 2.b, 2.g)

Explores combining and separating various types of matter and the relationship of parts to the whole

Week 6: Powering the Universe (2.e, 2.f, 4.c)

Gives an overview for understanding various forms of energy

Week 7: How to Move a Universe (2.c, 2.d)

Introduces principles of motion and force

OCTOBER - DECEMBER:

Week 8: Observing Energy (1.a, 1.b)

Explores how energy can be transferred and transformed, discusses alternative sources of energy

Week 9: Technology and Inventions (1.a, 1.b)

Investigates the uses of simple machines and modern technologies

THEME: GEO & SPACE SCIENCE

Week 10: Our Planet Earth (4.a, 4.b)

Teaches about rocks, minerals, soils and layers inside and outside the Earth

Week 11: Our Busy Planet (4.a, 4.b)

Introduces the rock cycle, volcanoes, tectonic plates, earthquakes, etc.

Week 12: The Giant Sculpture Known as the Earth (4.a, 4.b, 4.c)

Teaches about weather, oceans and the water cycle, erosion and landforms caused by forces of nature

Week 13: Watch the Sky (4.e, 4.f)

Constellations, seasons and the sun-moon-Earth relationship

Week 14: Our Moving Solar System (1.c.1, 4.e, 4.f)

An object lesson using our solar system with previously presented concepts such as motion, energy and light

JANUARY - FEBRUARY:

Week 15: Exploring the Universe (4.e, 4.f)

Explores galaxies, stars and some amazing new discoveries and discusses the possible future of science

THEME: LIFE SCIENCE

Week 16: Our Living World (3.a, 3.e)

Explores the diversity of life on Earth, scientific classification and how living things survive in a variety of environments from tundra to oceans, etc.

Week 17: Building Blocks of Life (3.c, 3.f)

Introduction to the microscopic world (i.e., cells and microscopic organisms)

Week 18: Cell Development (3.f)

Introduces the concept of similar cells developing into different systems, explores common characteristics of plants and animals and discusses inherited traits

Week 19: Our Animal World (3.a, 3.c, 3.e)

Teaches important structural characteristics, behaviors and diversity of vertebrate animals (birds, mammals, reptiles, fish and amphibians)

MARCH - MAY:

Week 20: An Ancient Living World!

(3.c, 4.g)

Explores dinosaurs, early mammals and other fascinating creatures

Week 21: Our Green Planet—Ecosystems (3.a, 4.d)

Introduces how life works in systems and how living things get energy, introduces plant life as a primary producer and teaches environmental responsibility

Week 22: Room for Everyone (3.a, 3.c, 3.e, 4.c, 4.d)

Introduces the concept of adaptation and explores competition for and sharing of earth's resources among organisms

Week 23: Human Life (3.b)

Introduction to the human organism: health, basic functions, anatomy and development (includes a special section on the human brain)

Week 24: Our Creepy-Crawly World (3.a)

Teaches important and fascinating characteristics of invertebrate animals (crustaceans, insects, worms and other critters)

Science Studies Weekly – Discovery

covers **100%** of

**Mississippi 2010 3rd grade
science competencies and
objectives**

**STANDARDS NOT COVERED
(Provided for your planning
convenience):**

- All Standards Covered