

PS 1B/ES UNIT 1: STRUCTURE AND PROPERTIES OF MATTER

Earth is made of matter. Matter is made of particles, takes up space, has mass, and can be found in different states. Combining different types of matter may result in chemical reactions, which are the final focus of this unit.

ES UNIT 2:

EARTH'S SYSTEMS; INTERACTIONS BETWEEN MATTER AND ENERGY. PART 1: THE RELATIONSHIP BETWEEN THE SUN, AIR, WATER, & LAND

Energy derived from the sun produces changes in Earth's materials (matter). Energy drives a special relationship between Earth's systems of the atmosphere (air), hydrosphere (water), and lithosphere (land).

ES UNIT 3: EARTH'S SYSTEMS; INTERACTIONS BETWEEN MATTER AND ENERGY. PART 2: EARTH'S WATER

Water, Earth's hydrosphere, is all around. It is in our lakes, rivers, oceans, and even in the air. Water is on the move driven by energy.

ES UNIT 4: EARTH'S DYNAMIC SURFACE AND INTERIOR

Land, Earth's lithosphere, and its interior form a dynamic system driven by energy.

ES UNIT 5: DANCE OF THE EARTH, SUN, MOON AND STARS

The Earth's systems interact with each other and systems outside of the Earth. These interactions can explain our Earthly observations of seasons, moon phases, eclipses, tides, and star motions.



PS UNIT 1B

Matter is made of particles, takes up space, has mass, and can be found in different states. Combining different types of matter may result in chemical reactions which are the final focus of this unit.

PS UNIT 2

Motion can be observed and measured. Change in motion is caused by unbalanced forces. When change occurs, energy transfer occurs. There is a relationship between force, motion and energy.

WAVES

Waves provide a mechanism for transferring energy without transferring matter. Waves model a variety of physical systems and can be reflected, absorbed, or transmitted through different materials.

MAGNETISM

The definition of matter can be expanded by observing and describing its magnetic properties. Magnetic forces can both push and pull and can transfer energy between objects or systems.



MIDDLE SCHOOL STORYLINE

