

## Grade 2

### Chapter- 9

#### Lesson 1: What is Energy?

Hard Words: Energy, Breath, Nutrients

Q1) Where does Earth gets most of its Energy?

Ans: Earth gets most of its energy from the sun.

Q2) Define Energy and solar Energy?

Ans: Energy: The capacity to do work

Solar Energy: Solar energy is heat and light from the sun.

#### Lesson 2: How do living things use energy?

Hard Words: Vegetables, Meat, Bread, Cereal, Yogurt, Cheese, Pasta

Q1) How is energy from the sun is important to plants?

Ans: Sunlight is very important for a plant to make food.

Q2) Name five important food groups?

Ans: a) Vegetables

b) Fruits

c) Meat, fish, eggs, dry bean

d) Bread, rice, cereal, pasta

e) Milk, yogurt, cheese

#### Lesson 3: What are some sources of heat?

Hard Words: Source, Fuel, Heat

Q1) What is meant by source? Name one source of heat?

Ans: A source is a place from which something comes. Sunlight is one source of heat.

Q2) What is fuel? Give examples

Ans: Fuel is something that is burned to make heat. Ex: Coal, gas, oil, wood

Q3) What is conductor? Give Examples.

Ans: A conductor is something that lets heat easily move through it. Ex; Iron, copper, silver.

#### **Lesson 4: How does light move?**

Hard Words: Reflects, Light, Shadow

Q1) Define reflection?

Ans: Reflection means the bouncing back of light from smooth, shiny surface.

Q2) How is a rainbow made?

Ans: When the raindrops of air bend or reflect sunlight, they get separated colours and form a rainbow.

Q3) How does a shadow form?

Ans: A shadow is formed when something blocks the light.

#### **Lesson 5: What are other kind of energy?**

Hard Words: Energy, Musical, Instruments, Sound, Wind

Q1) Name 3 ways of energy?

Ans: a) Motion Energy

b) Wind Energy

c) Sound Energy

Q2) How you can stay safe around electricity?

Ans: a) Keep things that use electricity away from water.

b) Do not put too many plugs into outlets.

c) Do not touch cords that have wire showing.

d) Do not play near power lines.

## Chapter- 10

### Lesson 1: How do objects move?

Hard Words: Motion, Force, Gravity

Q1) What are the different ways that an object can move?

Ans: Straight, zig zag, in a circle and back and forth.

Q2) What is gravity?

Ans: Gravity is a force that pulls things toward the earth.

### Lesson 2: What is work?

Hard Words: Amount, Bobsled, Against.

Q1) What is work? What are the two things required for work to be done?

Ans: Work is a force that makes an object move. Force and motion are required for work to be done.

### Lesson 3: How can you change the way things move?

Hard Words: Distance, Friction.

Q1) How much amount of force is used to change the way an object moves?

Ans: The more force used the further the object moves.

Q2) Describe Friction?

Ans: Friction is a force that makes moving objects slowly down and stop. Friction causes heat.

### Lesson 4: How can simple machine help you do work?

Hard Words: Machine, Axle, Wedge, Screw, Pulley, Inclined plane

Q1) What is a simple machine? Give five examples?

Ans: A simple machine is a tool with few or no moving parts. Ex: Screw, inclined plane, pulley, wedge, lever, wheel and axle.

## Lesson 5: What are magnets?

Hard Words: Magnets, Repel, Attract.

Q1) What is a magnet? Write two features of a magnet?

Ans: A magnet is an object that can attract some metals.

- a) Magnets will attract each other when opposite poles come together.
- b) Magnets repel each other when like poles come together.

## Chapter- 11

### Lesson 1: What is sound?

Hard Words: Vibrate, Instruments.

Q1) Define vibrate?

Ans: Vibrate means to move quickly back and forth.

Q2) How do objects make sound?

Ans: By vibrating objects make sound.

### Lesson 2: What is pitch?

Hard Words: Pitch, Vibrate

Q1) Define pitch.

Ans: Pitch is defined as how high or low a sound is.

Q2) How do objects vibrate change pitch?

Ans: Objects that vibrate quickly make a high pitch sound. Objects that vibrate slowly make a low pitch sound.

### Lesson 3: How does sound travel?

Hard Words: Wood pecker, Roar, Dolphins, though.

Q1) Does sound travel faster through air or water?

Ans: Sound travel faster through water than through air.

Q2) What are the examples of solids, liquids and gases?