

PETERS TOWNSHIP SCHOOL DISTRICT

CORE BODY OF KNOWLEDGE

SCIENCE

KINDERGARTEN

For each of the sections that follow, students may be required to understand, apply, analyze, evaluate or create the particular concepts being taught.

COURSE DESCRIPTION: This course will include the study of Life Science, Earth and Space Science, and Physical Science. Key areas of focus include insects and animals, the five senses, our earth, force and movement, plants, and weather and seasons

STUDY SKILLS:

- Use of technology in classroom activities
- Complete assignments on homework calendars
- Practice Science concepts
- Participate in class
- Acquire new vocabulary
- Ask for help when needed
- Work independently

1. INSECTS AND ANIMALS

- Sequence and label the life cycle of a butterfly
- Identify the body parts of an insect.
- Discuss changes in a butterfly during its life cycle.
- Sort and identify living and non-living things
- Compare and contrast types of animals. Identify characteristics of habitats.
- Compare and contrast how people and animals stay safe and grow.

2. LET'S EXPLORE

- Identify of the five senses
- Functions of each sense.
- Identify of the sense organs.
- Name the three forms of water. (solid, liquid, and gas)

3. OUR EARTH, OUR HOME

- Compare and contrast different types of soil.
- Classify and sort rocks according to specific characteristics.
- Recognize different types of landforms.

- Label and compare different types of bodies of water.
- Identify earth's resources.
- Illustrate different ways water can be used.
- Recycle and reuse items in the classroom.

4. MOVING RIGHT ALONG

- Determine which items a magnet attracts and repels.
- Predict what kind of force makes an object move further.
- Distinguish the effect of an incline plane on the movement of an object.
- Identify materials or textures that effect the movement of an object.

5. PLANTS

- Provide proper conditions for growing a plant from a seed.
- Care for a plant and provide it with soil, water and sunlight.
- Identify parts of a plant.
- Compare different types of plants and how they grow.

6. WEATHER AND SEASONS

- Name the seasons and characteristics of each.
- Label and describe different types of weather.
- Name the months of the years and days of the week.

MATERIALS:

- Macmillan/McGraw-Hill Science A Closer Look Teacher manual
- Macmillan/McGraw-Hill Science A Closer Look Teacher flip chart
- Macmillan/McGraw-Hill Science A Closer Look Big book collection
- Magnets
- Consumable materials: dirt, soil

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