

GENERAL SCIENCE A

SCOPE

This introduction of general science covers physical and life sciences and the steps involved in scientific methods and classifications.

SEQUENCE

UNIT I - Methods of Investigation and Classification

1. Utilize the scientific methods of inquiry.
2. Utilize the senses to observe and test.
3. Explain scientific investigation.
4. Identify and define the system of scientific classification.
5. Relate facts regarding classification.
6. Classify objects into groups.
7. List career requirements.

UNIT II - Physical Science

1. Explain, describe and give examples of matter and energy.
2. Explain the functions of neutrons and electrons.
3. Define and give examples of static and current electricity.
4. Explain the function of a dry cell battery.
5. Identify common electrical symbols.
6. Explain the contributions of inventors.
7. Explain what heat is, what causes it, and from where it comes.
8. Define and explain temperature, and tell how a thermometer works.

UNIT III- Physical Science

1. Identify list kinds and give example of work.
2. Explain the functions and give examples of machines.
3. Explain harnessing nature's energy.
4. Identify fuel and its sources.
5. Explain combustion.
6. Relate the future of power, energy and food supplies.
7. Explain a career in physics.

UNIT IV - Plants

1. Define, explain and illustrate a plant cell.
2. Explain the importance of plants.
3. Draw and label the parts of a flower.
4. Explain the fertilization of a flower.
5. Explain photosynthesis.
6. Define plant terms.
7. Relate career facts.

UNIT V - Animals

1. Explain the importance of animals.
2. Identify where and how animals live.
3. Identify animal concepts and behaviors.
4. Explain animal classifications.
5. Relate career facts.