

Life Processes of Plants

Objective: Investigate life processes of plants and the need of plants in our environment.

Introduction: Plant life takes on different forms that are challenging to observe and understand. Plants carry out seven processes that define life; closely observing plant life can reveal connections to our own existence.

Curriculum Connections:

Students will illustrate and explain the essential role of plants within the environment

Supplies / Materials:

- Science Journal
- Plants of the NWT book
- Samples of plants
- Magnifying glasses

Hook: Take a tour of a garden, greenhouse or farm. Observe the different plant species you see, have students make simple sketches of one or two plants they notice. Can they tell which plants are edible, and which ones are not?

Intro Activity: Teacher leads a discussion about the use of plants. Humans have always depended on plants as a source of food and to meet a variety of needs. As a class create a brainstorm of all the different ways we use plants in daily life.



SCIENCE FOCUS

Lesson Subject

Science 8

Topic

Plants for Food and Fiber

Location

Classroom

Length

50 mins



Main Activity:

Each student chooses a plant and identifies its use as food, herb, medicine or product. They have to create a model of that plant and write a report about its use in today's society.

Conclusion / Review: Class presentation of created work. Create a class PowerPoint presentation or Prezi [<https://prezi.com>] that serves as a collection of student work. Have students report their findings to the class.

Homework: Journal reflection: Do an inventory of the plants you can find at home, what are the uses of these plants? Does your family grow their own garden? What are some of the benefits of growing your own food?

Resources:

<http://www.gardenguides.com/126002-seven-life-processes-plant.html>