

CLASS: VIII

SUBJECT: SCIENCE

CHAPTER: 1. CROP PRODUCTION AND MANAGEMENT

SUBTOPIC: DIFFERENCES BETWEEN MANURES AND FERTILIZERS

EXPERIENTIAL LEARNING

ACTIVITY:

Aim: To enable the students to find the differences between manures and fertilizers.

Materials Required: Channa/fenugreek seeds, 3 pots, vegetable peels/cow dung, urea

Procedure:

- Students will be instructed to germinate channa or fenugreek seeds in their home.
- Three empty pots A, B, C will be taken and will be filled with soil.
- Three equal sized seedlings of the fenugreek/channa will be planted in each of these pots.
- The setup will be kept in the school garden.
- To pot B, more cow dung manure/vegetable peels will be added.
- To pot C, little urea will be added.
- The students will be asked to water the seedlings daily and record their observation for 10 days.
- This activity will enable the students to know the characteristics of a fertilizer and manure.
- On the basis of their observation, the following questions are expected to be answered by them:

CURIOSITY QUESTION:

What would have happened if the plants are not watered and kept in a dark room?

ANSWER GUIDE:

- Did the plants in all the pots grow at the same pace?
- Which pot showed the better growth of plants?
- Which pot showed the fastest growth? What may be the reason?