

Home Organic Garden



Science
Film
Festival

Knowledge
Through
Entertainment

Organic

Organic Food

Botany

Science Film Festival Films

▶ **Knietsche: Bon Appetit! Knietsche Eats**

Learning Goals

- To be able to describe the process of planting vegetables at home.
- To understand the importance of taking care of plants every day to grow vegetables.
- To understand that vegetables are not only grown from seeds, but can be grown many ways.

Explanation of Scientific Principles

Organic gardening is essentially gardening without using synthetic products like fertilizers and pesticides. It involves the use of only natural products to grow plants in your garden. Organic gardening replenishes the natural resources as it uses them. There are three major areas to concentrate on to maintain the objectives of organic gardening. These include: soil management which is dealt with by using organic fertilizer; weed management which is managed by use of organic ground coverings; and lastly pest control, which is dealt with by promoting beneficial insects and companion planting.

Explanation of Connection to the Film

In the film, the young reporter learns about veganism and sustainable, organic farming. Organic gardening focuses on the use of only natural products to grow plants. Organic gardening promises good health, because the produce is free from toxic ingredients and other synthetically enhanced chemicals. Organic veggies are also proven to contain higher mineral and vitamin contents compared to those grown using pesticides, herbicides, and chemical fertilizers.

Materials

(for one student)

- One plastic cup (or used plastic bottle)
- Water (or dirt)
- To grow scallions from their discarded roots
1–2 piece of scallions roots. (about 4cm)
- To grow garlic sprouts from a garlic clove
1–2 piece of garlic clove
- To grow romaine lettuce from the bottom of a head of lettuce
1–2 piece of the bottom of a head of lettuce (about 6cm)
- To grow carrot greens from discarded carrot tops
1–2 piece of carrot tops (about 4cm)

→ www.youtube.com/watch?v=Jze8utzpLh

→ www.buzzfeed.com/arielknutson/vegetables-that-magically-regrow-themselves?utm_term=.toZXPgB5n#.nn6wvrjz0

→ www.betterhensandgardens.com/garden-planting-log

→ www.pinterest.com.au/pin/301459768784457301/

Preparation

- 1 Cut the vegetables before they become rotten.
- 2 Use only fresh vegetables for the planting.
- 3 Prepare the soil (or water, if you are planning to grow hydroponically).

1

Ask students prepare vegetables before they come in. Or prepare few pieces of fresh vegetable (scallion, garlic, lettuce, carrot).

2

Ask each student prepare a planting pot by filling water (or dirt) into the cup.

3

Show the students how to cut the vegetables and then plant the pieces into the cup.

4

Make a “Vegetable Diary” or “Gardening Log” and tape it on the pot.

5

Put the plan near the window and ask the students to water it twice daily.

6

Require the students write in the diary or the log every day.