

Science week 2020



Fruit and vegetable experiment

Conduct your experiments through science week and then observe throughout the coming weeks.

Record each stage with photographs and note scientific predictions, thoughts, and questions.

Experiment 1 **Sorting fruit and vegetables** **What is the difference between a fruit and a vegetable?**

What is the difference between fruit and vegetables?
Using the fruit and vegetables around your house, sort them into two groups and take a photograph.



How have you sorted them?

Experiment 1 Sorting fruit and vegetables What is the difference between a fruit and a vegetable?

Fruit grows from a flower and has seeds inside.



Vegetables are a plant or part of a plant that doesn't contain seeds.



Experiment 1 Sorting fruit and vegetables What is the difference between a fruit and a vegetable?

Check how you sorted your fruit and vegetables.

Have you sorted all your vegetables accurately?

Are there any surprises?



Thinking... Prediction and planning Are fruit and vegetables alive after they have been picked?



Fruit and vegetables were once attached to plants which we know are living things.

Thinking... Prediction and planning Are fruit and vegetables alive after they have been picked?





Are fruit and vegetables still alive after they have been picked? How can we find out?

Thinking... Prediction and planning Are fruit and vegetables alive after they have been picked?

Ideas, thoughts, and predictions...



Experiment 2

Growing vegetables

Are vegetables alive after they have been picked?



Most vegetables will regrow from parts that we normally throw away.

Place vegetable scraps (ideas for scraps below) into a small amount of warm water in a glass bowl.

Make sure you keep the water topped up, observe what happens to the vegetable scraps.

Experiment 2

Growing vegetables

Are vegetables alive after they have been picked?

Ideas for vegetable scraps:

carrot tops

celery base

onion bottom

a small sweet potato

pineapple top

heart/base of a lettuce

clove of garlic

turnip base



Experiment 2 (observation) Growing vegetables Are vegetables alive after they have been picked?

When you are observing, you need to look for signs of new life. What sort of signs might you notice that would show new life?



Experiment 2 (observation) Growing vegetables Are vegetables alive after they have been picked?

When there are signs of new life, you need to put the vegetable part into soil and put it out in a partly sunny, partly shady area. Make sure you keep watering it.



Keep observing your vegetable scraps as they grow.

Record your observations and any questions you have about the process.

Experiment 2 (evaluation) Growing vegetables Are vegetables alive after they have been picked?

Some of the vegetables may not have shown signs of new life, why do you think this has happened?

Can you plant any part of the plant and it grow?

Would a lettuce leaf regrow into a lettuce? Or is there something special about the heart of the lettuce?

Experiment by using the same method with different parts of vegetables.

Experiment 2 (conclusion) **Growing vegetables** **Are vegetables alive after they have been picked?**

Following on from the experiment on vegetable scraps, do you think that all of the vegetable remains alive after it has been picked?



Experiment 3

Growing fruit

Is fruit alive after it has been picked?

If all fruits produce their own seeds, we can regrow fruit using the seeds within them. Plant some seeds from different fruits, record how they grow?



How quickly do you think your plants will take to flower and create fruit?

Why?

Experiment 3 **Growing fruit**
Ideas for fruit seeds:

Is fruit alive after it has been picked?

peppers

cucumber

tomatoes

apple

kiwi fruit

pears

melon

butternut squash



Share your predictions (what you thought would happen),
photographs and conclusions (what you discovered and your
reasoning and understanding of the reasons for the results) **with school.**
We will be creating a science display to show off all your
wonderful experiments.

