

## Year 5 & 6 Science: Home Learning Week 6

Hello Year 5 & 6, this week our focus continues on plants and how they reproduce. You should try to complete tasks 1, 2 & 3 if you can.

The rest, including the practical activity, are optional. Remember to get permission from an adult before doing any practical activities and clean up after yourself when you're finished!

Stay at home & stay safe

Miss Johnston ☺

Task	Description
1	Watch the BBC Bitesize lesson on Wednesday. Here's a link to the daily lessons page: <a href="https://www.bbc.co.uk/bitesize/tags/zncscw/year-6-lessons/1">https://www.bbc.co.uk/bitesize/tags/zncscw/year-6-lessons/1</a> If you have trouble watching online, you can access the Bitesize lessons via the red button on your TV remote. Just switch the TV to BBC1, press the red button and the Bitesize options should come up... It can take a minute or two to load so be patient!
2	Visit BBC Bitesize, read the information and complete the activities on what plants need to grow: <a href="https://www.bbc.co.uk/bitesize/topics/zy66fg8/articles/z98jpbk">https://www.bbc.co.uk/bitesize/topics/zy66fg8/articles/z98jpbk</a>
3	Seeds come in all different shapes and sizes, and they are dispersed (spread) in lots of different ways. Give an example of a plant that uses each of the following methods of dispersal: <ul style="list-style-type: none"><li>i. Wind</li><li>ii. Sticking to an animal's fur</li><li>iii. Floating in water</li><li>iv. Exploding from pods</li></ul>
4	Lots of seeds are edible;* how many can you find in your home? Try to think of unusual examples where the seed might have been made into something else. For example – sunflower oil, used for cooking food, is made from sunflower seeds. *but many aren't... <b><u>NEVER</u></b> eat anything unless you're absolutely sure that it's safe to do so!
5	<b>OPTIONAL PRACTICAL ACTIVITY: Seed Spinners</b> Details of the activity, including questions to answer, are on the next page.

## Practical details

### Seed Spinners

#### About this activity

Make this simple seed spinner to show how seeds are dispersed and discover the amazing mechanisms used by plants to spread their seeds far and wide. Why not investigate the effect of weight on a seed spinner – can you find a way to make a seed travel the further?

#### For parents: Why do this?

Reproduction in flowering plants is an important part of the science curriculum, recurring in KS3 and KS4 and so it is useful to revisit and revise this topic to consolidate understanding of this topic.

#### Safety note

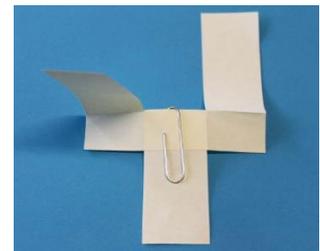
Take care when using scissors!

#### Equipment & materials

- Seed spinner template (on the next page) or blank paper to copy the template onto.
- Pen or pencil
- Ruler
- Paperclips
- Scissors

#### Method

1. Print or copy the seed spinner templates and cut them out according to the instructions on the diagram.
2. Fold the spinners so that you have a Y shaped “seed”, then fold the top “arms” to make a T shape, like the one in the picture.
3. Start by attaching the paperclip at the top between the “arms”
4. Hold the seed above your head and let it drop to the floor. How did it fly? Where did it land?
5. Move the position of the paperclip, does it have any effect on the flight?
6. Try using more than one paperclip - does it make the seed move faster?



#### Questions & possible further activities

- Which seed spinner travelled the furthest? Why do you think this was?
- What is more important - moving quickly or for a greater distance?
- Gravity plays an important part in seed dispersal - how can you see gravity? Think about how it will affect seed dispersal.
- Did you drop the seed spinner from the same height each time? Why is this important?
- If you can, go upstairs and drop the seed spinner from the top – did this make a difference to how far it travelled?

# Make a seed spinner

