

## Bean in a Bag

To carry on from your 'labelling a plant' activity, our new challenge is can you grow a 'bean in a bag'? Follow the instructions below to find out how to do this.

Look at the links below for more information.

<https://www.bbc.co.uk/bitesize/topics/zpxnyrd/articles/z2vdjxs>

<https://www.youtube.com/watch?v=w77zPA+VTuI>

### You will need:

- Seeds (broad beans are good)
- Kitchen towel
- Stapler
- Plastic sandwich bag (the kind that seal at the top work best)
- Ruler
- Bean diary
- Camera (optional) to record growth

### Method:

1. Fold the paper towel so that it fits inside the bag and put in place. It should cover the bottom half of the bag.
2. Staple 3 or 4 staples across the middle of the paper towel so that you create a 'shelf' on which the seed will sit (and not fall through the staples)
3. Pour water into the bag so it soaks up the paper towel and leaves a little puddle at the bottom of the bag.



4. Put the seeds carefully into the bag so they sit on the staple shelf you have made.

5. Seal up the bag so no air can escape or get in.

6. Tape the bag to a window or hang up in a bright place in the house.



### What next?

- Keep watching the seed over the next few days as it begins to grow. You will not need to add any water straight away as the bag will provide condensation and keep the towel (and seed) moist.
- When you see some changes, record what you see in your diary (you can use your own ideas to record the changes). Take a photograph or draw a picture. Don't forget to measure how big the roots or stem is getting!
- As the bean grows and starts to reach the top of the bag, open it up and then you can decide when to put the seedling into a pot with some soil. You might need a stick/ straw to keep the plant growing tall.



### Challenge!

Can you compare the growth of different beans and find out which ones grow the best?

