

**Science - Year 2**

Plants – Block 2P

# **Ready, Steady, Grow!**

Session 3

**Resource Pack**

## Hydroponically grown plants

Leafy part of the plant



Basket (for the plant to rest in)



Roots growing into the water



Water (with plant food in it)



**Plants can be grown hydroponically (in water) in all sorts of ways. Sometimes they are even hung from the ceiling!**



# How to grow a bean in a bag

## You will need:

a few seeds  
paper towel [school ones are ideal]  
stapler  
plastic bag [the A4 sized kind which seals at the top works best]  
ruler



Label bag with your name, date and seed name.

Fold a paper towel so that it just fits inside the bag.

Take a ruler and measure 7 cm from the top of the bag and staple a row of staples from one edge to the other through the plastic bag and paper towel. If you are using very small seeds then make the staples closer together. You will have a mini-shelf- 7 cm deep. This is where the seeds are going to sit.



Pour enough water into the bag so that it will soak up through the paper towel but leave a small reservoir of water at the bottom of the plastic bag (about 2-3 cm).

Sit the seeds on top of the staples. Seal up the bag so no air can escape or get in. Tape it to the window or peg to a washing line in the classroom.



Within a few days, depending on the time of the year, the seeds will begin to germinate. Children can clearly see the growth of roots and then the shoot. As soon as the young plants reach the top of the sealed bag they can be carefully removed and potted up.



# My Bean in a Bag Diary



Today the date is:
and my bean looks like this:
_____
_____
_____
_____
_____
Next week I think my bean will...
_____
_____

Today the date is:
and my bean looks like this:
_____
_____
_____
_____
_____
Next week I think my bean will...
_____
_____

Today the date is:
and my bean looks like this:
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_____
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_____
Next week I think my bean will...
_____
_____

Today the date is:
and my bean looks like this:
_____
_____
_____
_____
_____
Next week I think my bean will...
_____
_____



# My Bean in a Bag Diary

*in the cupboard!*



Today the date is:
and the cupboard bean looks like this:
_____
_____
_____
_____
_____
Next week I think it will...
_____
_____

Today the date is:
and the cupboard bean looks like this:
_____
_____
_____
_____
_____
Next week I think it will...
_____
_____

Today the date is:
and the cupboard bean looks like this:
_____
_____
_____
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_____
Next week I think it will...
_____
_____

Today the date is:
and the cupboard bean looks like this:
_____
_____
_____
_____
_____
Next week I think it will...
_____
_____