

Hands on activity 1/4

PHOTOTROPISM.

- Objectives:

To realise the importance of light for plants.
To have a register of experiments.

- Introduction.

In this activity, we are going to see the importance of light for plants and that plants always grow towards light. This is called phototropism.

You will need:

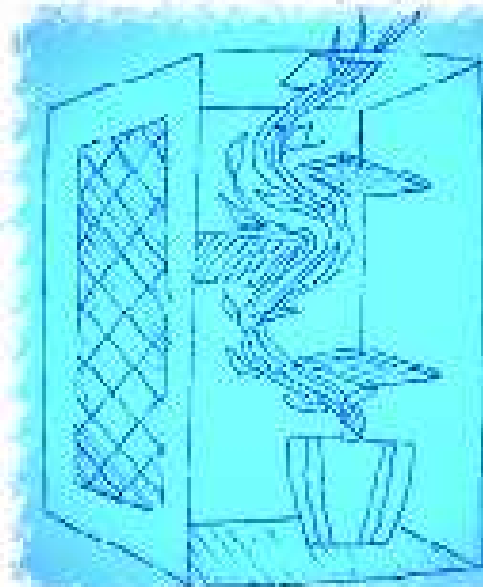
- A shoe box.
- Cardboard.
- A plastic glass
- Potting soil.
- Beans.
- Scissors.

Hands on activity 2/4

- Procedures.

First, you have to make some holes in the bottom of the plastic glass. Next, put some potting soil in it and plant two or three beans. Finally, water the beans and put them in a warm and sunny place. Beans will grow in a week approximately.

Then, tape three pieces of cardboard into the shoe box to make a small maze and make a hole at the top, as you can see in the picture.



Hands on activity 3/4

Before putting the plant into the shoe box, ask pupils some questions to predict what will happen.

As soon as the beans sprout, put the plastic glass in the shoe box where it is indicated in the picture.

Put the lid on the box and take it off every day to look at the plants and water them as necessary (keeping the soil wet). Be careful and put the lid back every day!

You will see the way plants will grow, and how long it takes them to grow out of the hole and into the light.

Hands on activity 4/ 4

CONTROL SHEET

	Date	Observations
Week 1		
Week 2		
Week 3		
Week 4		
Week 5		
Week 6		
Week 7		
Week 8		