

# CELERY EXPERIMENT

PRIMARY  
FUNDRAISING  
HUB



PROFESSOR PETE'S intro...

## Background Information:

You've just watered a thirsty plant, and its roots are starting to absorb the water from the soil. But how does the water travel from the roots to the rest of the plant? The answer is tiny tubes inside the stem called the xylem. They draw the water up from the roots like a straw by a process called capillary action.



## Step 1: Collect your equipment...

- 1x celery
- food colours (green, red, yellow & blue)
- 4x glass jars (without lids)
- 1x knife (be careful with this!)

## Step 2:

- cut about one inch off the bottom of four celery stalks.
- fill each jar about halfway with water.
- drip a few drops of food colouring into each glass.

## Step 3:

- stick the celery stalks into the coloured water and let them sit for about 20 minutes.

## Step 4:

- come back to the celery after 20 minutes and check out the stalks. You should see little dots of colour on their ends.

## PROFESSOR PETE SAYS...

Leaves help pull water up the xylem. They have little holes that let out extra water the plant is done using, so more water can come rushing up. Try comparing a celery stalk with leaves to one without - which gets colour up to the top first?

