**Working from home in science – Mrs Eyre**

**Thursday 18th June**

Science time again! We all know that plants need watering, but how is the water transported in plants? Try the following experiments to see where the water goes.

**Y3/4 How do plants get their water?**

Watch these videos

<https://www.youtube.com/watch?v=KIug9Foou3s>

<https://www.youtube.com/watch?v=KV4YuzuXpjQ>

Do your own experiments using cut white flowers or celery. Put them in water coloured with food dye. (Please don’t get this on your clothes!) Leave it for a day or so, then look to see if the colour has travelled to the petals. Ask an adult to cut across the celery to see if the dye has travelled up the stem. Record what happened and include a labelled diagram to show your results.

**Y5/6 How do plants survive in extreme habitats?**

Plants have adapted tosurvive in extreme environments. Key factors include temperature control, conserving water and catching sunlight. They have adapted to exist in hot arid habitats and severely cold places. They can also survive in very wet, dark and maybe salty environments.

Watch these videos about plant adaptations in the desert and the rainforest.

<https://www.youtube.com/watch?v=OU0oKAXyZfE>

<https://www.youtube.com/watch?v=H9MV5CgPgIQ>

Choose three plants from different extreme habitats and compare how they are adapted. Include labelled drawings to highlight their adaptations to survive.