

## Lower 5 have been exploring photosynthesis



This half term, pupils across Lower 5 have continued with their study of plant transport and photosynthesis.

They have enjoyed carrying out a stomatal peel to estimate the stomatal density of different leaves using a microscope. They have also had a go with some potometers to develop their understanding of the environmental factors that can influence the rate of transpiration.

Most recently we have been learning about the process of photosynthesis. In order to prove that light is essential for photosynthesis, we added some templates using black card onto the leaves of some de-starched geraniums. The pupils followed the starch testing method, using ethanol to remove the chlorophyll from the leaves before adding iodine solution. I was really impressed with the final results! In addition we used variegated leaves to prove that chlorophyll is essential for photosynthesis.

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