

LEARN AT CHESTERZOO

EDUCATORS GUIDE - USING SCIENCE AND MATHS AS A WAY TO BE MORE SUSTAINABLE

Description & suggested order	Title	Curriculum Link	Resource link
Which plant requires the most water? Set up an experiment with the plant pots made in Round Three, "Get Crafty" and see which plant drinks the most water. This is a really useful way of encouraging your pupils to think scientifically. You can plan, record and come up with conclusions as you look at the planting in your school grounds. This will also be a great way of introducing class discussions on climate change and the need for scientists to research drought resistance crops.	Plan an experiment – Which plants need more water?	Science Working scientifically	https://www.chesterzoo.org/schools/resources/plan-an-experiment-which-plants-need-more-water/
This is a fantastic maths data challenge looking at the electricity generated by the solar panels on the zoo sites.	Solar Panel Power	Numeracy – data handling	https://www.chesterzoo.org/schools/resources/solar-panel-power-maths-challenge/
How long does it take for our waste to decompose? Discuss what happens to the waste we dump in landfill. Exactly how long do scientists think it takes to decompose?	Decomposition activity	Science – property of materials	https://www.chesterzoo.org/schools/resources/decomposition/
Using their knowledge of materials can your pupils sort these items? Which ones will degrade in compost bin?	Compost conundrum	Science – property of materials	https://www.chesterzoo.org/schools/resources/composting-conundrum/