

Linking Geography and Science: a cross-curricular approach

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We will...

Spark curiosity by connecting geography and science in the primary classroom. This interactive workshop explores where the (English) primary geography curriculum naturally overlaps with science: energy, climate and sustainability. Discover a dynamic (free) renewable energy resource that brings cross-curricular teaching to life, helping pupils make real-world links, think critically and get excited about the planet's future.

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We will...

- Discuss links between primary geography and science curricula
- Show resources which might help
- Have a go!

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Curriculum links

- Energy
- Climate
- Sustainability
- Habitats and biomes
- Water cycle - rivers

Year	Science	Geography
Y1/2	Knowledge and understanding of the world	Name and locate world cities and identify continents and oceans. Geographical orientation and observation.
Y3	Living things and their habitats. Seasonal seasonal changes. Weather (temperature, wind, rain, clouds). Light and shadows. Daylight. Night and shadows. Daylight. Nighttime.	Describe and study weather patterns. Local and global climate patterns. Global location and patterns. Place knowledge. Human and Physical geography. Geographical skills and fieldwork.
Y4	Energy. Light and shadows. Daylight. Nighttime. Forces and motion. Matter and materials. Earth and space. Light and shadows. Daylight. Nighttime.	Describe and study weather patterns. Local and global climate patterns. Global location and patterns. Place knowledge. Human and Physical geography. Geographical skills and fieldwork.
Y5	Energy. Light and shadows. Daylight. Nighttime. Forces and motion. Matter and materials. Earth and space. Light and shadows. Daylight. Nighttime.	Describe and study weather patterns. Local and global climate patterns. Global location and patterns. Place knowledge. Human and Physical geography. Geographical skills and fieldwork.
Y6	Energy. Light and shadows. Daylight. Nighttime. Forces and motion. Matter and materials. Earth and space. Light and shadows. Daylight. Nighttime.	Describe and study weather patterns. Local and global climate patterns. Global location and patterns. Place knowledge. Human and Physical geography. Geographical skills and fieldwork.

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Layers of learning in geography ...and links to science

Locational Knowledge		Place knowledge		Human and Physical geography		Geographical skills and fieldwork	
Settlement	Trade	Weather	Physical	Sustainability	Local	Map work	Natural
Disciplinary learning (What does the expert do and how does the expert think?)							
E.g. explore geographical questions, gather data, present findings							

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Share ideas

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<https://files.ncs.org/primary/science/science-ideas-idea-02-2026-idea-04>

<https://files.ncs.org/primary/science/science-ideas-idea-03-2026-idea-05>

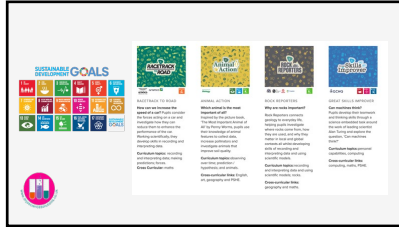
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<https://www.cleapss.org.uk>

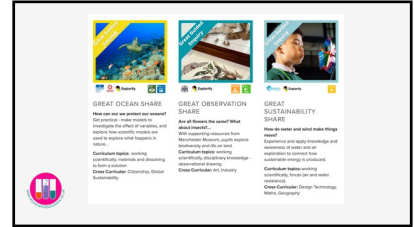
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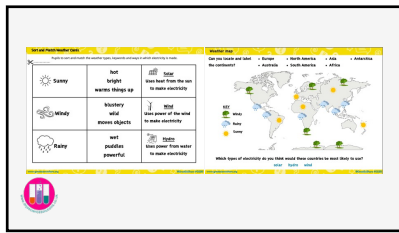
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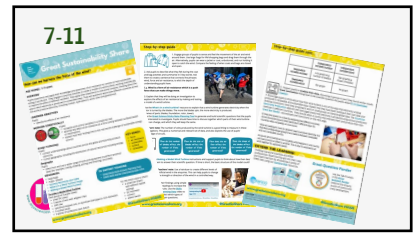
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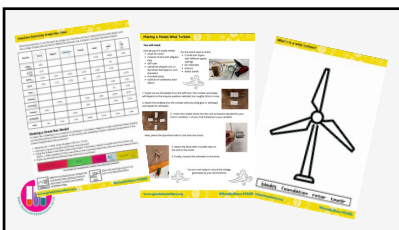
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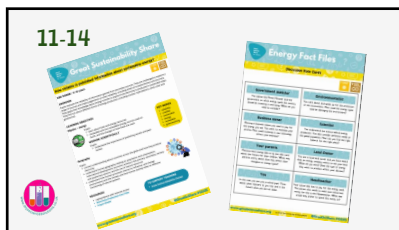
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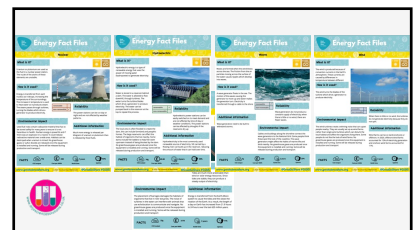
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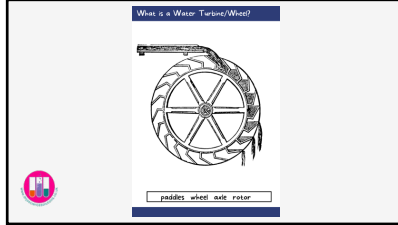
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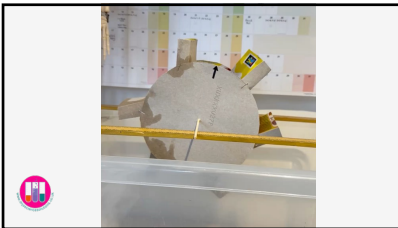
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What can we investigate?

- How does the number of paddles affect the speed the water turbine spins?
- How does the distance between the paddles affect the speed the water turbine spins?
- How does the size of the paddles affect the speed the water turbine spins?

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What did you find out?

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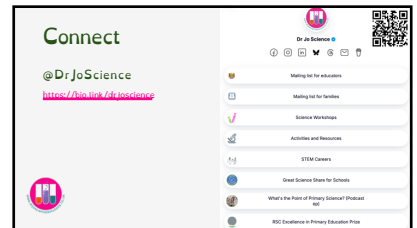


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