

Mayfly in the Classroom & the National Curriculum



Subject: (Key stages 1 & 2)	Knowledge, Skills & understanding	How Mayfly in the Classroom links	Examples of activities
Maths	Numbers	<ul style="list-style-type: none"> - Measurements - Volume - Temperature 	<ul style="list-style-type: none"> - Measuring & recording daily temperatures - Recording water levels and nymph hatches
	Shape, space and measures		
	Handling data		
Science	Scientific enquiry	<ul style="list-style-type: none"> - Water analysis - Mayfly lifecycle - Predator-prey interactions - Evolution of living things - Habitats 	<ul style="list-style-type: none"> - Comparing hatch/survival rates between different batches of mayfly (i.e. hatched in different water types or at different temperatures). - Studying & recording the mayfly lifecycle
	Life processes and living things		
	Materials and their properties		
	Physical processes		
Design & technology	Developing, planning and communicating ideas	<ul style="list-style-type: none"> - Tank/aquarium construction 	<ul style="list-style-type: none"> - Separating children into groups of four to construct the tanks and comparing the results.
	Working with tools, equipment, materials and components to make quality products		
	Evaluating processes and products		
	Knowledge and understanding of materials and components		
ICT	Finding things out	<ul style="list-style-type: none"> - Websites - Searches 	<ul style="list-style-type: none"> - Links to other schools e.g. Eden Rivers Trust Project - Using the River fly (www.riverflies.org) website
	Developing ideas and making things happen		

	Exchanging and sharing information		
	Reviewing, modifying and evaluating work as it progresses		
Geography	Geographical enquiry and skills Knowledge and understanding of places	- Use of rivers to visually represent erosion & deposition processes - Data & sample collection - Aquatic habitats	- Field trips
	Knowledge and understanding of patterns and processes		
	Knowledge and understanding of environmental change and sustainable development		
Art & Design	Exploring and developing ideas	- Drawing, painting & printing	- Designing of posters and other signage to accompany the tanks & aquariums - Drawing mayflies and other aquatic insects - Stream & mayfly collages
	Investigating and making art, craft and design		
PE	Acquiring and developing skills	- Water safety - Lifesaving, first aid - Outdoor education & activities	- Field trips - Safety briefing - Searching for nymphs
	Selecting and applying skills, tactics and compositional ideas		
	Swimming activities and water safety		
PSHE	Developing confidence and responsibility and making the most of their abilities	- Land use - History of local areas - Effect of human behaviour on surroundings - Avoiding future neglect, conflicts	- Using recycled bottles for tanks - Teaching children about environmental responsibilities
	Preparing to play an active role as citizens		
	Developing a healthy, safer lifestyle		

	Developing good relationships and respecting the differences between people		
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