



@MadScienceWessex

Links to the Curriculum



Inspiring the Next Generation of Scientists

Our interactive, hands-on workshops are tailored to suit every class from Reception through to Year 6. Every session is designed to enrich the National Curriculum, explicitly developing children's core "Working Scientifically" skills of enquiry, observation, and comparative testing. We supply all specialist equipment, bringing high-energy, unforgettable science investigations straight to your classroom or school hall.

EYFS - Understanding the Natural World



Workshop Topics		Area of the Curriculum
Wiggly Worms		Understanding the Natural World and Living Creatures. Perfect for introducing living things, decay, and care for local environments and micro-habitats.
Digging for Dinosaurs		The Natural World (Past and Present). An excellent, high-engagement hook for classes exploring prehistoric timelines, adaptation, and basic skeletal structure.
Adventures in Air		Understanding the Natural World - How? and Why? Great for active, physical learners exploring how things move with the air all around us.
Animal Friends		Natural World Wording: Explore names and features of animal families, matching mums to babies. Discover what different animals need to survive and the habitats they call home.
Light and Shadows		Understanding the Natural World - How? and Why? A perfect shadow catching awe and wonder hands-on introduction to abstract concepts and how we see.
Mad Mixtures		Understanding the Natural World - Potions combines expressive arts and design with early chemistry, focusing on predictive language. What will happen next?
Seeking our Senses		Communication and Language. Directly lays the foundational knowledge required for the Year 1 "Animals, Including Humans" science topic.

KS1 and KS2



Workshop Topics	Area of the Curriculum	Workshop Topics	Area of the Curriculum
	Chemistry - Materials and Reactions		Biology - Habitats, Life, Humans, Plants
Super Sticky Stuff or Playful Polymers	KS1: Uses of everyday materials Identify and compare the suitability of a variety of everyday materials. KS1: Uses of everyday materials. How shapes/materials can be changed by physical actions. KS2: Properties and changes of materials Compare and group materials based on their properties, flexibility, and response to forces.	Brilliant Bugs	KS1: Living things and their habitats - Identify local habitats/micro-habitats); Animals, including humans. KS2: Living things and their habitats - Classification keys, environmental changes
Wacky Water or Lab Works	KS1: Uses of Everyday Materials: Identify and compare the suitability of a variety of everyday materials; Explore how materials can be changed or mixed. KS2: Properties and changes of materials. Understand dissolving, floating, sinking, and liquid density layers KS2 Chemistry: Properties and changes of materials - Mixing substances, liquid behaviors, dissolving, and separating mixtures	Life in the Sea	KS1: Living things and their habitats - Simple food chains, ocean habitats. KS2: Living things and their habitats - How environmental changes/pollution pose dangers to living things.
pH Phactor or Radical Reactions	KS2: Properties and changes of materials: Explain that some changes result in the formation of new materials, and that this kind of change is not usually reversible (chemical reactions, pH changes, and indicators). KS2: States of Matter. Gases expanding, trapping gases to create bubbles, temperature affecting gas volume.	Powerful Plants	KS2: Living things - Plants - Explore what plants need for life and growth. Extract real chlorophyll to see it fluoresce a bright, glowing red under UV light—proving how leaves trap hidden energy from the sun!
Let's Get Fizzy! or Dry Ice Capades	KS1 - Yr2: Everyday Materials: Explore how the shapes of solid objects can be changed; Find out how materials react when combined. KS2: States of Matter Observe that some materials change state when they are heated or cooled. KS2: States of Matter. Gases expanding, trapping gases to create bubbles, temperature affecting gas volume.	Superhero Senses	KS1 Yr1: Animals, including humans: Identify, the basic parts of the human body and say which part of the body is associated with each sense.
		All About Animals	KS1 (Y1/2): Classify common animals (mammals, birds, reptiles, fish, amphibians) and sort them into carnivores, herbivores, and omnivores. KS2 (Y4): Build complex food chains and webs to explore how energy moves through a habitat and how changing environments affect wildlife.
		Optical Illusions	KS2: Human Body, Communication - Linking Biology with Physics - Understanding the eye and the brain and that light travels in straight lines; Explain that objects are seen because they give out or reflect light into the eye



Workshop Topics	Area of the Curriculum
	Physics - Earth and Beyond
Earthworks (Rock Cycle, Volcanoes)	KS2 Rocks: Describe in simple terms how fossils are formed; Group and look at different kinds of rocks based on their appearance and physical properties (igneous/metamorphic formation).
Living In Space or Planets and Moons	KS2: Earth and Space: Describe the movement of the Earth and other planets relative to the Sun; Describe the movement of the Moon.
Wild Weather	KS1: Seasonal Changes. Observe changes across the four seasons; Observe and record weather. KS2 : States of Matter - Look at the part played by evaporation and condensation in the water cycle.

Workshop Topics	Area of the Curriculum
	PHYSICS - Magnets, Light, Forces, Electricity, Sound
Lights, Colour, Action or Glow Show	KS2: Light - Notice that light is reflected from surfaces, shadows. KS2: Light - Light travels in straight lines; Refraction and splitting light into a spectrum.
Sonic Sounds	KS2: Sound - Identify how sounds are made, associating some of them with something vibrating; Find patterns between the pitch/volume of a sound and the feature of the object that produced it.
Current Events or Watts-Up (Static Science)	KS2 Electricity: Construct a simple series electrical circuit, identifying cells, wires, bulbs, switches, and buzzers. KS2 Electricity: Associate the brightness of a lamp or the volume of a buzzer with the number and voltage of cells used in the circuit. (Static electricity provides the foundation of electron movement).
Fantastic Flight or Mad Machines	KS1: Uses of everyday materials - Testing shapes/structures for strength. KS2: Forces - Notice how things move on surfaces; Air resistance, friction, levers, and pulleys.
Rocket Science	KS2: Forces: Explain that unsupported objects fall towards the Earth because of the force of gravity; Identify the effects of air resistance and water resistance. KS2: Working Scientifically Focus: Controlling variables; Taking measurements with increasing accuracy using standard decimal units.
Magnetic Attraction	KS2 Forces and Magnets: Observe how magnets attract or repel each other; Group together a variety of everyday materials on the basis of whether they are attracted to a magnet.

Contact us to find out more about any topic and how we can spark children's imaginations and scientific curiosity in your school.