

England



purple  
mash

Supporting the National Curriculum 2014  
with Purple Mash

Science

Each year group contains examples of how the creative tools can be effectively used to support National Curriculum 2014. Looking at examples from year groups above and below may provide additional ideas.

**Year 1**

Plants  
Animals, including humans  
Everyday materials  
Seasonal changes

**Year 2**

Living things and their habitats  
Plants  
Animals, including humans  
Uses of everyday materials

**Year 3**

Plants  
Animals, including humans  
Rocks  
Light  
Forces and Magnets

**Year 4**

Living things and their habitats  
Animals, including humans  
States of matter  
Sound  
Electricity



**Year 5**

Living things and their habitats  
Animals, including humans  
Properties and changes of materials  
Earth and space  
Forces



**Year 6**

Living things and their habitats  
Animals, including humans  
Evolution and inheritance  
Light  
Electricity

## PLANTS



National Curriculum Statement	Purple Mash Resource	Direct link to resource	Ideas, links to Planning & Resources
<ul style="list-style-type: none"> <li>IDENTIFY AND NAME A VARIETY OF COMMON WILD AND GARDEN PLANTS, INCLUDING DECIDUOUS AND EVERGREEN TREES</li> <li>IDENTIFY AND DESCRIBE THE BASIC STRUCTURE OF A VARIETY OF COMMON FLOWERING PLANTS, INCLUDING TREES.</li> </ul>	Identifying Plants and Animals in The Local Area (Writing Activity)	<a href="http://www.purplemash.com/#pup/plantsandanimals">http://www.purplemash.com/#pup/plantsandanimals</a>	Guides and help with <b>2Count</b> and <b>2Question</b> . <a href="https://www.purplemash.com/#tab/teachers/guides">https://www.purplemash.com/#tab/teachers/guides</a> and <a href="#">resources</a>
	To Identify and Name A Variety of Common Plants (Labelling Activity 2DIY)	<a href="http://www.purplemash.com/site#games/2diy/flowerlabelling">http://www.purplemash.com/site#games/2diy/flowerlabelling</a>	Printable resources and activities on plants suitable for KS1 <a href="https://www.purplemash.com/#tab/teachers/printable_resources/science_resources/printable_resources_science_plants">https://www.purplemash.com/#tab/teachers/printable_resources/science_resources/printable_resources_science_plants</a>
	To Identify and Name A Variety of Common Leaves (Labelling Activity 2DIY)	<a href="http://www.purplemash.com/site#game/2diy/leaflabelling">http://www.purplemash.com/site#game/2diy/leaflabelling</a>	Take the children on a walk around the school and count the frequency of trees in the area. Record the results on a pictogram using  <b>2Count</b> . <a href="https://www.purplemash.com/#app/tools/2count">https://www.purplemash.com/#app/tools/2count</a>
	Sort into Plants and Animals (Sorting Activity 2DIY)	<a href="http://www.purplemash.com/site#game/2diy/plantsvanimals">http://www.purplemash.com/site#game/2diy/plantsvanimals</a>	Create a branching database using <b>2Question</b> . Children use this database to identify the names of common plants and trees.  <a href="https://www.purplemash.com/#app/tools/2question">https://www.purplemash.com/#app/tools/2question</a>
	Label A Plant (Labelling Activity 2Quiz)	<a href="https://www.purplemash.com/#app/games/2diy/Plants_Labelling">https://www.purplemash.com/#app/games/2diy/Plants_Labelling</a>	
	Record finding of plants in the local area using the Gardener Mash Cam	<a href="https://www.purplemash.com/#app/mashcam/gardener_cam">https://www.purplemash.com/#app/mashcam/gardener_cam</a>	
	My Garden (Paint Project)	<a href="https://www.purplemash.com/#app/pap/home/garden">https://www.purplemash.com/#app/pap/home/garden</a>	

## ANIMALS, INCLUDING HUMANS



National Curriculum Statement	Purple Mash Resource	Direct link to resource	Ideas, links to Planning & Resources
IDENTIFY AND NAME A VARIETY OF COMMON ANIMALS INCLUDING FISH, AMPHIBIANS, REPTILES, BIRDS AND MAMMAL	To Observe Differences Between Plants and Animals to Group Them (Sorting Activity <b>2Diy</b> )	<a href="http://www.purplemash.com/site#game/2diy/plantsvanimals">http://www.purplemash.com/site#game/2diy/plantsvanimals</a>	<b>2Diy</b> and <b>2Quiz</b> resources, guides and help videos. <a href="https://www.purplemash.com/#tab/teachers/guides%20and%20resources/2diy%20quiz%20resources">https://www.purplemash.com/#tab/teachers/guides and resources/2diy 2quiz resources</a>
	To Identify and Name A Variety of Common Animals That Are Birds (Labelling Activity <b>2Diy</b> )	<a href="https://www.purplemash.com/#app/games/2diy/birds_labeling">https://www.purplemash.com/#app/games/2diy/birds_labeling</a>	
IDENTIFY AND NAME A VARIETY OF COMMON ANIMALS THAT ARE CARNIVORES, HERBIVORES AND OMNIVORES	Pet Captions (Writing Activity <b>2Publish</b> )	<a href="http://www.purplemash.com/#pup/petcaptions">http://www.purplemash.com/#pup/petcaptions</a>	Create a pairs game in <b>2Diy</b> where the children match the name of the animal to the picture. 
	Simple City - The Vet	<a href="http://www.purplemash.com/#games/simplecitydes/t/vets">http://www.purplemash.com/#games/simplecitydes/t/vets</a>	
DESCRIBE AND COMPARE THE STRUCTURE OF A VARIETY OF COMMON ANIMALS (FISH, AMPHIBIANS, REPTILES, BIRDS AND MAMMALS, INCLUDING PETS)	Simple City – The Zoo	<a href="http://www.purplemash.com/#games/simplecitydes/t/zoo">http://www.purplemash.com/#games/simplecitydes/t/zoo</a>	<a href="https://www.purplemash.com/#app/tools/2diy/Pairs">https://www.purplemash.com/#app/tools/2diy/Pairs</a>  Create a grouping activity in <b>2Quiz</b> where the children must decide if an animal is a carnivore, herbivore or omnivore and drag the picture of the animal to the correct category. 
	2start English (Premium Product) – Animals	<a href="http://www.purplemash.com/#premium/2se">http://www.purplemash.com/#premium/2se</a>	
IDENTIFY, NAME, DRAW AND LABEL THE BAISC PARTS OF THE HUMAN BODY AND SAY WHICH PART OF THE BODY IS ASSOCIATED WITH EACH SENSE.	To Identify and Name A Variety of Common Animals That Are Carnivores (Grouping Activity <b>2Diy</b> )	<a href="http://www.purplemash.com/site#games/2diy/animal_grouping">http://www.purplemash.com/site#games/2diy/animal_grouping</a>	<a href="https://www.purplemash.com/#app/diyis/2quizg">https://www.purplemash.com/#app/diyis/2quizg</a>
	Carnivores (Labelling Activity <b>2Diy</b> )	<a href="http://www.purplemash.com/site#games/2diy/Carnivore_Labeling">http://www.purplemash.com/site#games/2diy/Carnivore_Labeling</a>	

Carnivore Quiz ( <b>2Diy</b> )	<a href="http://www.purplemash.com/site#games/2diy/carnivore_quiz">http://www.purplemash.com/site#games/2diy/carnivore_quiz</a>
Dog - Leaflet (Writing Activity <b>2Publish</b> )	<a href="http://www.purplemash.com/#leaflets/dogs">http://www.purplemash.com/#leaflets/dogs</a>
Safari Animals (Writing Activity <b>2Publish</b> )	<a href="http://www.purplemash.com/#pup/safarianimals">http://www.purplemash.com/#pup/safarianimals</a>
Dangerous Animals (Writing Activity <b>2Publish</b> )	<a href="http://www.purplemash.com/#pup/Vocabularydangeranimals">http://www.purplemash.com/#pup/Vocabularydangeranimals</a>
Describing Lambs (Writing Activity <b>2Publish</b> )	<a href="http://www.purplemash.com/#pup/lambs1">http://www.purplemash.com/#pup/lambs1</a>
Describe A Lion (Writing Activity <b>2Publish</b> )	<a href="http://www.purplemash.com/#pup/lion">http://www.purplemash.com/#pup/lion</a>
All About Cats (Writing Activity <b>2Publish</b> )	<a href="http://www.purplemash.com/#pup/animals_allaboutcats">http://www.purplemash.com/#pup/animals_allaboutcats</a>
All About Dogs (Writing Activity <b>2Publish</b> )	<a href="http://www.purplemash.com/#pup/animals_allaboutdogs">http://www.purplemash.com/#pup/animals_allaboutdogs</a>
Goldfish – Paint Project ( <b>2Paint</b> )	<a href="http://www.purplemash.com/#pap/animals/fishbowl">http://www.purplemash.com/#pap/animals/fishbowl</a>
Bird – Paint Project ( <b>2Paint</b> )	<a href="http://www.purplemash.com/#pap/animals/bird">http://www.purplemash.com/#pap/animals/bird</a>
Human Body – Labelling Game ( <b>2Diy</b> )	<a href="https://www.purplemash.com/#app/game/2diy/humanbody_labelling">https://www.purplemash.com/#app/game/2diy/humanbody_labelling</a>
Human Senses -2Quiz Game ( <b>2Quiz</b> )	<a href="https://www.purplemash.com/#app/games/2diy/Human_senses">https://www.purplemash.com/#app/games/2diy/Human_senses</a>




## EVERYDAY MATERIALS

National Curriculum Statement	Purple Mash Resource	Direct link to resource	Ideas, links to Planning & Resources
<p><b>DISTINGUISH BETWEEN AN OBJECT AND THE MATERIAL FROM WHICH IT IS MADE</b></p> <p><b>IDENTIFY AND NAME A VARIETY OF EVERYDAY MATERIALS, INCLUDING WOOD, PLASTIC, GLASS, METAL, WATER, AND ROCK</b></p> <p><b>DESCRIBE THE SIMPLE PHYSICAL PROPERTIES OF A VARIETY OF EVERYDAY MATERIALS</b></p> <p><b>COMPARE AND GROUP TOGETHER A VARIETY OF EVERYDAY MATERIALS ON THE BASIS OF THEIR SIMPLE PHYSICAL PROPERTIES.</b></p>	Matching Objects to Their Material	<a href="http://www.purplemash.com/site#game/2diy/matchinobjects">http://www.purplemash.com/site#game/2diy/matchinobjects</a>	<p><b>2Diy</b> and <b>2Quiz</b> resources, guides and help videos.</p> <p><a href="https://www.purplemash.com/#ab/teachers/guides_and_resources/2diy_2quiz_resources">https://www.purplemash.com/#ab/teachers/guides_and_resources/2diy_2quiz_resources</a></p> 
	Properties of Materials (Writing Activity <b>2Publish</b> )	<a href="http://www.purplemash.com/#pup/materialproperties">http://www.purplemash.com/#pup/materialproperties</a>	
	To Describe the Simple Physical Properties of a Variety of Everyday Materials ( <b>2Diy</b> )	<a href="http://www.purplemash.com/site#game/2diy/matchinobjects">http://www.purplemash.com/site#game/2diy/matchinobjects</a>	
	3 Little Pigs Painting Activity – ( <b>2Paint</b> )	<a href="http://www.purplemash.com/#pap/fairy_stories/3_pigs">http://www.purplemash.com/#pap/fairy_stories/3_pigs</a>	Draw the story and write a sentence about why bricks are best for a house.
	The 3 Little Pigs story board. (Writing Activity <b>2Publish</b> )	<a href="https://www.purplemash.com/#app/pup/threelittlepigs_story">https://www.purplemash.com/#app/pup/threelittlepigs_story</a>	Ask the children to explain why straw and sticks were not suitable for making houses.
	Construction Worker – <b>Mashcam</b>	<a href="https://www.purplemash.com/#tab/pm-home/tools/purplemashcams">https://www.purplemash.com/#tab/pm-home/tools/purplemashcams</a>	Using the Mash Cams children can put themselves in the role of various characters to describe and explain why certain materials are good for making homes. <a href="https://www.purplemash.com/#ab/pm-home/tools/purplemashcams">https://www.purplemash.com/#ab/pm-home/tools/purplemashcams</a>
	Compare Different Materials ( <b>2Diy</b> )	<a href="http://www.purplemash.com/site#game/2diy/matchinobjects">http://www.purplemash.com/site#game/2diy/matchinobjects</a>	Children can use the grouping question in <b>2Quiz</b> to create a quiz where others must sort the materials. <a href="https://www.purplemash.com/#app/diyjs/2quizg">https://www.purplemash.com/#app/diyjs/2quizg</a>
			

# SEASONAL CHANGES


National Curriculum Statement	Purple Mash Resource	Direct link to resource	Ideas, links to Planning & Resources
<b>OBSERVE CHANGES ACROSS THE FOUR SEASONS</b>  <b>OBSERVE AND DESCRIBE WEATHER ASSOCIATED WITH THE SEASONS AND HOW DAY LENGTH VARIES.</b>	Seasons Quiz – <b>2Quiz</b> activity	<a href="https://www.purplemash.com/#app/games/2diy/Seasons_Quiz">https://www.purplemash.com/#app/games/2diy/Seasons_Quiz</a>	Printable resource on seasons suitable for KS1. <a href="https://www.purplemash.com/#app/lessonplans/info/printables_science_seasons">https://www.purplemash.com/#app/lessonplans/info/printables_science_seasons</a>  Use <b>2Count</b> to record changes in the length of day between seasons.  <a href="https://www.purplemash.com/#app/tools/2count">https://www.purplemash.com/#app/tools/2count</a>  <b>2Count</b> Teachers Guide <a href="https://www.purplemash.com/#app/guides/2Count_Guide">https://www.purplemash.com/#app/guides/2Count_Guide</a>  Children use <b>2Animate</b> to create an animation demonstrating changes in the seasons.  <a href="https://www.purplemash.com/#app/tools/2ani">https://www.purplemash.com/#app/tools/2ani</a>
	Autumn – Paint Project ( <b>2Paint</b> )	<a href="http://www.purplemash.com/#pap/nature/autumn">http://www.purplemash.com/#pap/nature/autumn</a>	
	Winter – Paint Project ( <b>2Paint</b> )	<a href="http://www.purplemash.com/#pap/nature/winter">http://www.purplemash.com/#pap/nature/winter</a>	
	Spring – Paint Project ( <b>2Paint</b> )	<a href="http://www.purplemash.com/#pap/nature/spring">http://www.purplemash.com/#pap/nature/spring</a>	
	Summer – Paint Project ( <b>2Paint</b> )	<a href="http://www.purplemash.com/#pap/nature/summer">http://www.purplemash.com/#pap/nature/summer</a>	
	Order the Photos Next to The Correct Season ( <b>2Diy</b> )	<a href="http://www.purplemash.com/site#games/2diy/order_seasons">http://www.purplemash.com/site#games/2diy/order_seasons</a>	
	Create A Fact Sheet About Seasons (Writing project – <b>2Publish</b> )	<a href="http://www.purplemash.com/#leaflets/seasons_leaflet_01">http://www.purplemash.com/#leaflets/seasons_leaflet_01</a>	
	Weather – Paint Project ( <b>2Paint</b> )	<a href="http://www.purplemash.com/#pap/nature/weather">http://www.purplemash.com/#pap/nature/weather</a>	
	How Do the Seasons Affect Animals? (Writing project - <b>2Publish</b> )	<a href="http://www.purplemash.com/site#pup/Animals_and_seasons">http://www.purplemash.com/site#pup/Animals_and_seasons</a>	

## LIVING THINGS AND THEIR HABITATS



National Curriculum Statement	Purple Mash Resource	Direct link to resource	Ideas, links to Planning & Resources
<ul style="list-style-type: none"> <li>EXPLORE AND COMPARE THE DIFFERENCES BETWEEN THINGS THAT ARE LIVING, DEAD, AND THINGS THAT HAVE NEVER BEEN ALIVE</li> <li>IDENTIFY THAT MOST LIVING THINGS LIVE IN HABITATS TO WHICH THEY ARE SUITED AND DESCRIBE HOW DIFFERENT HABITATS PROVIDE FOR THE BASIC NEEDS OF DIFFERENT KINDS OF ANIMALS AND PLANTS, AND HOW THEY DEPEND ON EACH OTHER</li> <li>IDENTIFY AND NAME A VARIETY OF PLANTS AND ANIMALS IN THEIR</li> </ul>	Sorting Living, Non-Living and Dead (2Diy)	<a href="https://www.purplemash.com/#app/games/2diy/living_not_living">https://www.purplemash.com/#app/games/2diy/living_not_living</a>	<b>2Quiz</b> Sort objects out into whether they are living, dead or have never been alive.  <a href="https://www.purplemash.com/#app/diyjs/2quizg">https://www.purplemash.com/#app/diyjs/2quizg</a>
	Adaption to A Temperate Climate (Publishing project – 2Publish)	<a href="http://www.purplemash.com/#pup/adaptation_temperate">http://www.purplemash.com/#pup/adaptation_temperate</a>	 <b>2Diy and 2Quiz</b> resources, guides and help videos. <a href="https://www.purplemash.com/#ab/teachers/guides_and_resources/2diy_2quiz_resources">https://www.purplemash.com/#ab/teachers/guides_and_resources/2diy_2quiz_resources</a>
	Adaption to An Ocean Climate (Publishing project – 2Publish)	<a href="http://www.purplemash.com/#pup/adaptation_ocean">http://www.purplemash.com/#pup/adaptation_ocean</a>	
	Adaption to A Tundra Climate (Publishing project – 2Publish)	<a href="http://www.purplemash.com/#pup/adaptation_tundra">http://www.purplemash.com/#pup/adaptation_tundra</a>	
	Adaption to A Desert Climate (Publishing project – 2Publish)	<a href="http://www.purplemash.com/#pup/adaptation_desert">http://www.purplemash.com/#pup/adaptation_desert</a>	
	Adaption to A Tropical Climate (Publishing project – 2Publish)	<a href="http://www.purplemash.com/#postcards/tropical">http://www.purplemash.com/#postcards/tropical</a>	
	Identify Common Animals Which Are Birds (2Diy)	<a href="http://www.purplemash.com/site#games/2diy/birds_labelling">http://www.purplemash.com/site#games/2diy/birds_labelling</a>	
	Polar Explorer Game (2Diy)	<a href="http://www.purplemash.com/#games/2diy/Polar_Pairs">http://www.purplemash.com/#games/2diy/Polar_Pairs</a>	
	Mammals and Reptiles (2Diy)	<a href="http://www.purplemash.com/site#games/2diy/Mammals_Reptiles">http://www.purplemash.com/site#games/2diy/Mammals_Reptiles</a>	
			 <b>2Investigate</b> Resources <a href="https://www.purplemash.com/#ab/teachers/guides_and_resources/2inv_resources">https://www.purplemash.com/#ab/teachers/guides_and_resources/2inv_resources</a>



<b>HABITATS, INCLUDING MICRO-HABITATS</b>  <b>• DESCRIBE HOW ANIMALS OBTAIN THEIR FOOD FROM PLANTS AND OTHER ANIMALS, USING THE IDEA OF A SIMPLE FOOD CHAIN, AND IDENTIFY AND NAME DIFFERENT SOURCES OF FOOD</b>	Adaption to A Tundra Climate <b>(Publishing project – 2Publish)</b>	<a href="http://www.purplemash.com/#pup/adaptation_tundra">http://www.purplemash.com/#pup/adaptation_tundra</a>	
	Identifying Habitats (Publishing project – <b>2Publish</b> )	<a href="http://www.purplemash.com/#pup/habitats2">http://www.purplemash.com/#pup/habitats2</a>	
	Food Chains (Publishing project - <b>2Publish</b> )	<a href="http://www.purplemash.com/#pup/habitats">http://www.purplemash.com/#pup/habitats</a>	Printable resource on Food Chains <a href="https://www.purplemash.com/#app/lessonplans/info/printables_science_food_chains">https://www.purplemash.com/#app/lessonplans/info/printables_science_food_chains</a>
	Food Chains – (Whole Class Quiz – <b>2Quiz</b> )	<a href="https://www.purplemash.com/app/game/2diy/Food_chains">https://www.purplemash.com/app/game/2diy/Food_chains</a>	
	Minibeasts Database – ( <b>2Investigate</b> )	<a href="https://www.purplemash.com/#app/tools/2inv">https://www.purplemash.com/#app/tools/2inv</a>	Use <b>2Investigate</b> and open the minibeasts document. Children sort animals by habitat.


PLANTS			
National Curriculum Statement	Purple Mash Resource	Direct link to resource	Ideas, links to Planning & Resources
<ul style="list-style-type: none"> <li><b>OBSERVE AND DESCRIBE HOW SEEDS AND BULBS GROW INTO MATURE PLANTS</b></li> <li><b>FIND OUT AND DESCRIBE HOW PLANTS NEED WATER, LIGHT AND A SUITABLE TEMPERATURE TO GROW AND STAY HEALTHY.</b></li> </ul>	Seed Dispersal (Publishing project - <b>2Publish</b> )	<a href="http://www.purplemash.com/#pup/dispersal">http://www.purplemash.com/#pup/dispersal</a>	 <p><b>2Animate</b> guide for teachers  <a href="https://www.purplemash.com/app/lessonplans/info/2AnimateGuide">https://www.purplemash.com/app/lessonplans/info/2AnimateGuide</a></p>
	Plant Diary (Publishing project - <b>2Publish</b> )	<a href="http://www.purplemash.com/#pup/plants2">http://www.purplemash.com/#pup/plants2</a>	
	All About Germination (Publishing project - <b>2Publish</b> )	<a href="http://www.purplemash.com/#pup/germination">http://www.purplemash.com/#pup/germination</a>	
	Growing Plants (Publishing project - <b>2Publish</b> )	<a href="http://www.purplemash.com/#pup/plants">http://www.purplemash.com/#pup/plants</a>	
	Use <b>2Animate</b> To Animate How A Plant Grows	<a href="http://www.purplemash.com/#tools/2ani">http://www.purplemash.com/#tools/2ani</a>	
	Plants Labelling – Growing ( <b>2DIY</b> )	<a href="https://www.purplemash.com/#app/games/2diy/plantslabelling">https://www.purplemash.com/#app/games/2diy/plantslabelling</a>	
	Gardener – <b>Mashcam</b>	<a href="https://www.purplemash.com/#app/mashcam/gardener_cam">https://www.purplemash.com/#app/mashcam/gardener_cam</a>	Children take the role of a gardener and describe what a seed needs to grow into a healthy plant.
Growing and Keeping Healthy – <b>Printable</b> resource activity	<a href="https://www.purplemash.com/#app/lessonplans/info/printables_science_healthyplants">https://www.purplemash.com/#app/lessonplans/info/printables_science_healthyplants</a>	Printable resource on Plants suitable for KS1. <a href="https://www.purplemash.com/tab/pm-home/science/science_resources/printable_resources_science_plants">https://www.purplemash.com/tab/pm-home/science/science_resources/printable_resources_science_plants</a>	

## ANIMALS, INCLUDING HUMANS




National Curriculum Statement	Purple Mash Resource	Direct link to resource	Ideas, links to Planning & Resources
<ul style="list-style-type: none"> <li>• NOTICE THAT ANIMALS, INCLUDING HUMANS, HAVE OFFSPRING WHICH GROW INTO ADULTS</li> <li>• FIND OUT ABOUT AND DESCRIBE THE BASIC NEEDS OF ANIMALS, INCLUDING HUMANS, FOR SURVIVAL (WATER, FOOD AND AIR</li> <li>• DESCRIBE THE IMPORTANCE FOR HUMANS OF EXERCISE, EATING THE RIGHT AMOUNTS OF DIFFERENT TYPES OF FOOD, AND HYGIENE.</li> </ul>	Adult and Baby Animals (Publishing project - <b>2Publish</b> )	<a href="http://www.purplemash.com/#pup/adultandbabyanimals">http://www.purplemash.com/#pup/adultandbabyanimals</a>	 <p>Create a pairs game in <b>2Diy</b> where the children match the baby animal to the adult animal. <a href="https://www.purplemash.com/#app/tools/2diy/Pairs">https://www.purplemash.com/#app/tools/2diy/Pairs</a></p>  <p>Create a series of pictures in <b>2Quiz</b> showing a baby growing in stages from baby to adulthood and then put the images in order. <a href="https://www.purplemash.com/#app/tools/2diy/Sequencing">https://www.purplemash.com/#app/tools/2diy/Sequencing</a></p>
	Adult and Baby Animals Matching Cards - <b>Printable</b> resource activity	<a href="https://www.purplemash.com/site#app/lessonplans/info/printables_science_adult_baby_animals">https://www.purplemash.com/site#app/lessonplans/info/printables_science_adult_baby_animals</a>	
	Butterfly Life Cycle (Publishing project - <b>2Publish</b> )	<a href="https://www.purplemash.com/#app/leaflets/butterfly_life_cycle_leaflet">https://www.purplemash.com/#app/leaflets/butterfly_life_cycle_leaflet</a>	
	Butterfly Life Cycle – <b>Printable</b> resource activity	<a href="https://www.purplemash.com/#app/lessonplans/info/printables_science_lifecyclebutterfly">https://www.purplemash.com/#app/lessonplans/info/printables_science_lifecyclebutterfly</a>	
	Growing and Changing (Publishing project - <b>2Publish</b> )	<a href="http://www.purplemash.com/#pup/growingandchanging">http://www.purplemash.com/#pup/growingandchanging</a>	
	Growing and Changing – Matching stages to descriptions - <b>Printable</b> resource activity	<a href="https://www.purplemash.com/site#app/lessonplans/info/printables_science_growing_changing">https://www.purplemash.com/site#app/lessonplans/info/printables_science_growing_changing</a>	
	Plan A Meal (Publishing project - <b>2Publish</b> )	<a href="http://www.purplemash.com/#pup/planameal">http://www.purplemash.com/#pup/planameal</a>	
	Healthy Eating (Publishing project - <b>2Publish</b> )	<a href="http://www.purplemash.com/#pup/healthy">http://www.purplemash.com/#pup/healthy</a>	
	Favourite Fruit (Publishing project - <b>2Publish</b> )	<a href="http://www.purplemash.com/#pup/favfruit">http://www.purplemash.com/#pup/favfruit</a>	
Create A Lunch Menu (Publishing project - <b>2Publish</b> )	<a href="http://www.purplemash.com/#leaflets/lunchmenu">http://www.purplemash.com/#leaflets/lunchmenu</a>		


	5 A Day Leaflet (Publishing project - <b>2Publish</b> )	<a href="http://www.purplemash.com/#leaflets/five%20a%20day">http://www.purplemash.com/#leaflets/five a day</a>	
	Find Out About the Basic Needs of Animals (Publishing project - <b>2Publish</b> )	<a href="http://www.purplemash.com/site#pup/animalneeds">http://www.purplemash.com/site#pup/animalneeds</a>	
	What Happens During Exercise (Publishing project - <b>2Publish</b> )	<a href="http://www.purplemash.com/#pup/hb_exercise_what_happens">http://www.purplemash.com/#pup/hb_exercise what happens</a>	Printable resources on Health and Growth <a href="https://www.purplemash.com/site#tab/pm-home/science/health_and_growth/printable_resources_science_health_and_growth">https://www.purplemash.com/site#tab/pm-home/science/health and growth/printable resources science health and growth</a>
	Exercise Poster (Publishing project - <b>2Publish</b> )	<a href="http://www.purplemash.com/#pup/hb_exercise_poster">http://www.purplemash.com/#pup/hb_exercise poster</a>	

## USES OF EVERYDAY MATERIALS

National Curriculum Statement	Purple Mash Resource	Direct link to resource	Ideas, links to Planning & Resources
<ul style="list-style-type: none"> <li><b>IDENTIFY AND COMPARE THE SUITABILITY OF A VARIETY OF EVERYDAY MATERIALS</b></li> <li><b>FIND OUT HOW THE SHAPES OF SOLID OBJECTS MADE FROM SOME MATERIALS CAN BE CHANGED BY SQUASHING</b></li> </ul>	Properties of Materials (Publishing project - <b>2Publish</b> )	<a href="http://www.purplemash.com/#pup/materialproperties">http://www.purplemash.com/#pup/materialproperties</a>	 <p>Create a quiz asking the children which material would be most suited to perform a given task</p> <p><a href="https://www.purplemash.com/#app/diyjs/2quiz">https://www.purplemash.com/#app/diyjs/2quiz</a></p>
	Describe What Happens to The Objects When You Apply A Force (Publishing project - <b>2Publish</b> )	<a href="http://www.purplemash.com/site#pup/applyingforces">http://www.purplemash.com/site#pup/applyingforces</a>	
	Construction worker <b>Mashcam</b>	<a href="https://www.purplemash.com/site#app/mashcam/construction_worker_cam">https://www.purplemash.com/site#app/mashcam/construction worker cam</a>	Ask the children to consider the construction of various items such as a new school fish tank. What materials are suitable and why?

## PLANTS



National Curriculum Statement	Purple Mash Resource	Direct link to resource	Ideas, links to Planning & Resources
<ul style="list-style-type: none"> <li>IDENTIFY AND DESCRIBE THE FUNCTIONS OF DIFFERENT PARTS OF FLOWERING PLANTS: ROOTS, STEM/TRUNK, LEAVES AND FLOWERS</li> <li>EXPLORE THE REQUIREMENTS OF PLANTS FOR LIFE AND GROWTH (AIR, LIGHT, WATER, NUTRIENTS FROM SOIL, AND ROOM TO GROW) AND HOW THEY VARY FROM PLANT TO PLANT</li> <li>INVESTIGATE THE WAY IN WHICH WATER IS TRANSPORTED WITHIN PLANTS</li> <li>EXPLORE THE PART THAT FLOWERS PLAY IN THE LIFE CYCLE OF FLOWERING PLANTS, INCLUDING POLLINATION,</li> </ul>	Labelling A Flower – <b>2Quiz</b>	<a href="https://www.purplemash.com/site#app/games/2diy/Plants_Labelling">https://www.purplemash.com/site#app/games/2diy/Plants_Labelling</a>	<p>Printable resources on Plants <a href="https://www.purplemash.com/site#tab/pm-home/science/plants/printable_resources_science_plants">https://www.purplemash.com/site#tab/pm-home/science/plants/printable_resources_science_plants</a></p> <p>Using <b>2Graph</b>, Measure the growth of a plant over a period and record the results on a line graph.</p>  <p><a href="https://www.purplemash.com/#app/isapps/graph">https://www.purplemash.com/#app/isapps/graph</a></p> <p>Using <b>2Connect</b>, design an experiment to investigate where a plant grows best.</p>  <p><a href="https://www.purplemash.com/#app/tools/2Connect">https://www.purplemash.com/#app/tools/2Connect</a></p> <p>Using <b>2Animate</b>, create an animation to show how a plant grows or the life cycle of a plant.</p> 
	Label Different Types of Flowers – <b>2Diy</b>	<a href="http://www.purplemash.com/site#games/2diy/flowerlabelling">http://www.purplemash.com/site#games/2diy/flowerlabelling</a>	
	Plant Diary - (Publishing project - <b>2Publish</b> )	<a href="http://www.purplemash.com/#pup/plants2">http://www.purplemash.com/#pup/plants2</a>	
	Growing Plants - (Publishing project - <b>2Publish</b> )	<a href="http://www.purplemash.com/#pup/plants">http://www.purplemash.com/#pup/plants</a>	
	To Investigate the Way in Which Water Is Transported Within Plants <b>2Diy</b>	<a href="http://www.purplemash.com/site#games/2diy/transpiration">http://www.purplemash.com/site#games/2diy/transpiration</a>	
	Seed Dispersal - (Publishing project - <b>2Publish</b> )	<a href="http://www.purplemash.com/#pup/dispersal">http://www.purplemash.com/#pup/dispersal</a>	
	All About Germination - (Publishing project - <b>2Publish</b> )	<a href="http://www.purplemash.com/#pup/germination">http://www.purplemash.com/#pup/germination</a>	

<b>SEED FORMATION AND SEED DISPERSAL</b>	Labelling A Flower – <b>2Diy</b>	<a href="http://www.purplemash.com/site#games/2diy/life_cycle_of_a_plant">http://www.purplemash.com/site#games/2diy/life_cycle_of_a_plant</a>	<a href="https://www.purplemash.com/#app/tools/animate">https://www.purplemash.com/#app/tools/animate</a> Using the <b>Mashcams</b> , children get in role as a farmer. What would they need to consider if they wanted to grow as many potatoes as they could in a certain size field. What requirements for growth could be affected?  <a href="https://www.purplemash.com/#app/mashcam/farmer_cam">https://www.purplemash.com/#app/mashcam/farmer_cam</a>
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<b>ANIMALS INCLUDING HUMANS</b>			
<b>National Curriculum Statement</b>	<b>Purple Mash Resource</b>	<b>Direct link to resource</b>	<b>Ideas, links to Planning &amp; Resources</b>
<ul style="list-style-type: none"> <li>IDENTIFY THAT ANIMALS, INCLUDING HUMANS, NEED THE RIGHT TYPES AND AMOUNT OF NUTRITION, AND THAT THEY CANNOT MAKE THEIR OWN FOOD; THEY GET NUTRITION FROM WHAT THEY EAT</li> <li>IDENTIFY THAT HUMANS AND SOME OTHER ANIMALS HAVE</li> </ul>	Healthy Eating - (Publishing project - <b>2Publish</b> )	<a href="http://www.purplemash.com/#pup/healthy">http://www.purplemash.com/#pup/healthy</a>	Printable resources on Food <a href="https://www.purplemash.com/#tab/pm-home/science/food/printable_resources_science_food">https://www.purplemash.com/#tab/pm-home/science/food/printable_resources_science_food</a>
	Food Groups- (Publishing project - <b>2Publish</b> )	<a href="http://www.purplemash.com/#pup/foodgroups">http://www.purplemash.com/#pup/foodgroups</a>	Printable resources on Health <a href="https://www.purplemash.com/#tab/pm-home/science/health_and_growth/printable_resources_science_health_and_growth">https://www.purplemash.com/#tab/pm-home/science/health_and_growth/printable_resources_science_health_and_growth</a>
	Food Groups – <b>2Quiz</b>	<a href="https://www.purplemash.com/#app/games/2diy/Food_Groups">https://www.purplemash.com/#app/games/2diy/Food_Groups</a>	Printable resources on Health <a href="https://www.purplemash.com/#tab/pm-home/science/health_and_growth/printable_resources_science_health_and_growth">https://www.purplemash.com/#tab/pm-home/science/health_and_growth/printable_resources_science_health_and_growth</a>
	5 A Day Leaflet - (Publishing project - <b>2Publish</b> )	<a href="http://www.purplemash.com/#leaflets/five_a_day">http://www.purplemash.com/#leaflets/five_a_day</a>	Printable resources on Health <a href="https://www.purplemash.com/#tab/pm-home/science/health_and_growth/printable_resources_science_health_and_growth">https://www.purplemash.com/#tab/pm-home/science/health_and_growth/printable_resources_science_health_and_growth</a>



<b>SKELETONS AND MUSCLES FOR SUPPORT, PROTECTION AND MOVEMENT</b>	All About Skeletons- (Publishing project - <b>2Publish</b> )	<a href="http://www.purplemash.com/#pup/hb_skeleton_allabout">http://www.purplemash.com/#pup/hb_skeleton_allabout</a>	Using <b>2Diy3D</b> Create a game where the player must collect healthy foods and ignore the unhealthy foods.  <a href="https://www.purplemash.com/#app/games/2DIY3D">https://www.purplemash.com/#app/games/2DIY3D</a> Use <b>2Quiz</b> sorting question type and ask the children to sort food into essential and not essential for a healthy diet.  <a href="https://www.purplemash.com/#app/diyjs/2quiz">https://www.purplemash.com/#app/diyjs/2quiz</a> Using <b>2Respond</b> creator, send the children an email from a nutritionist and ask the children to email back a healthy meal.  <a href="https://www.purplemash.com/#tab/pm-home/tools/2email">https://www.purplemash.com/#tab/pm-home/tools/2email</a>
	Describing Joints-(Publishing project - <b>2Publish</b> )	<a href="http://www.purplemash.com/#pup/hb_describing_joints">http://www.purplemash.com/#pup/hb_describing_joints</a>	
	Muscles-(Publishing project - <b>2Publish</b> )	<a href="http://www.purplemash.com/#pup/hb_muscles">http://www.purplemash.com/#pup/hb_muscles</a>	
	Plan A Healthy Meal – <b>Printable</b>	<a href="https://www.purplemash.com/#app/lessonplans/info/printables_science_healthy_foods">https://www.purplemash.com/#app/lessonplans/info/printables_science_healthy_foods</a>	

# ROCKS



National Curriculum Statement	Purple Mash Resource	Direct link to resource	Ideas, links to Planning & Resources
<ul style="list-style-type: none"> <li>• <b>COMPARE AND GROUP TOGETHER DIFFERENT KINDS OF ROCKS ON THE BASIS OF THEIR APPEARANCE AND SIMPLE PHYSICAL PROPERTIES</b></li> <li>• <b>DESCRIBE IN SIMPLE TERMS HOW FOSSILS ARE FORMED WHEN THINGS THAT HAVE LIVED ARE TRAPPED WITHIN ROCK</b></li> <li>• <b>RECOGNISE THAT SOILS ARE MADE FROM ROCKS AND ORGANIC MATTER.</b></li> </ul>	Types of rock -(Publishing project - <b>2Publish</b> )	<a href="http://www.purplemash.com/site#pup/Types_of_Rock">http://www.purplemash.com/site#pup/Types_of_Rock</a>	<p>Using <b>2Animate</b>, create a simple animation to show how fossils are formed. </p> <p><a href="https://www.purplemash.com/#app/tools/animate">https://www.purplemash.com/#app/tools/animate</a></p> <p>Using <b>2Question</b>, create a branching database to help sort various rocks according to their appearance and simple physical properties. </p> <p><a href="https://www.purplemash.com/#app/tools/2question">https://www.purplemash.com/#app/tools/2question</a></p> <p>Research the life of Mary Anning and write your findings in the fact file. <a href="https://www.purplemash.com/#app/pup/Mary_Anning_allabout">https://www.purplemash.com/#app/pup/Mary_Anning_allabout</a></p> <p>Printable resources on Rocks <a href="https://www.purplemash.com/site#tab/pm-home/science/rocks_and_soil/printable_resources_science_rocks_and_soil">https://www.purplemash.com/site#tab/pm-home/science/rocks_and_soil/printable_resources_science_rocks_and_soil</a></p>
	All About Fossils -(Publishing project - <b>2Publish</b> )	<a href="https://www.purplemash.com/site#app/pup/fossils_factfile">https://www.purplemash.com/site#app/pup/fossils_factfile</a>	
	Fossil Leaflet - (Publishing project - <b>2Publish</b> )	<a href="https://www.purplemash.com/site#app/leaflets/fossils_leaflet">https://www.purplemash.com/site#app/leaflets/fossils_leaflet</a>	
	Fossil Quiz – <b>2Quiz</b>	<a href="https://www.purplemash.com/site#app/game/2diy/Fossilisation_order_Quiz">https://www.purplemash.com/site#app/game/2diy/Fossilisation_order_Quiz</a>	
	The Stages of Fossilisation - (Publishing project - <b>2Publish</b> )	<a href="https://www.purplemash.com/site#app/pup/The_stages_of_fossilisation">https://www.purplemash.com/site#app/pup/The_stages_of_fossilisation</a>	
	All About Dinosaurs -(Publishing project - <b>2Publish</b> )	<a href="http://www.purplemash.com/#pup/dinosaurs_allabout">http://www.purplemash.com/#pup/dinosaurs_allabout</a>	
	Dinosaur Captions -(Publishing project - <b>2Publish</b> )	<a href="http://www.purplemash.com/#pup/dinosaurs_captions">http://www.purplemash.com/#pup/dinosaurs_captions</a>	
	Comparing Dinosaurs -(Publishing project - <b>2Publish</b> )	<a href="http://www.purplemash.com/#pup/dinosaurs_comparing">http://www.purplemash.com/#pup/dinosaurs_comparing</a>	
	Describing Dinosaurs -(Publishing project - <b>2Publish</b> )	<a href="http://www.purplemash.com/#pup/dinosaurs_describing">http://www.purplemash.com/#pup/dinosaurs_describing</a>	
	Dinosaur News - (Publishing project - <b>2Publish</b> )	<a href="http://www.purplemash.com/#pup/dinosaurs_news">http://www.purplemash.com/#pup/dinosaurs_news</a>	
Types of Soil – <b>2Diy</b>	<a href="http://www.purplemash.com/site#game/2diy/soil">http://www.purplemash.com/site#game/2diy/soil</a>		




# LIGHT



National Curriculum Statement	Purple Mash Resource	Direct link to resource	Ideas, links to Planning & Resources
<ul style="list-style-type: none"> <li>• RECOGNISE THAT THEY NEED LIGHT IN ORDER TO SEE THINGS AND THAT DARK IS THE ABSENCE OF LIGHT</li> <li>• NOTICE THAT LIGHT IS REFLECTED FROM SURFACES</li> <li>• RECOGNISE THAT LIGHT FROM THE SUN CAN BE DANGEROUS AND THAT THERE ARE WAYS TO PROTECT THEIR EYES</li> <li>• RECOGNISE THAT SHADOWS ARE FORMED WHEN THE LIGHT FROM A LIGHT SOURCE IS BLOCKED BY A SOLID OBJECT</li> <li>• FIND PATTERNS IN THE WAY THAT THE SIZE OF SHADOWS CHANGE.</li> </ul>	Sources of Light-(Publishing project - <b>2Publish</b> )	<a href="http://www.purplemash.com/#pup/lightorreflector">http://www.purplemash.com/#pup/lightorreflector</a>	Printable resources on Sources of light <a href="https://www.purplemash.com/site#app/lessonplans/info/printables_science_sources_of_light">https://www.purplemash.com/site#app/lessonplans/info/printables_science_sources_of_light</a>
	Reflective and Absorbent-(Publishing project - <b>2Publish</b> )	<a href="http://www.purplemash.com/site#pup/lightreflectabsorb">http://www.purplemash.com/site#pup/lightreflectabsorb</a>	Use the grouping question in <b>2Quiz</b> and sort clothes into those that will reflect light and those that will not.  <a href="https://www.purplemash.com/#app/diyjs/2quiz">https://www.purplemash.com/#app/diyjs/2quiz</a>
	All About the Sun and It's Dangers-(Publishing project - <b>2Publish</b> )	<a href="http://www.purplemash.com/site#pup/Dangers_of_the_Sun">http://www.purplemash.com/site#pup/Dangers_of_the_Sun</a>	Printable resources on Sun Safety <a href="https://www.purplemash.com/site#app/lessonplans/info/printables_science_sun_safety">https://www.purplemash.com/site#app/lessonplans/info/printables_science_sun_safety</a>
	Shadows – <b>Printable</b>	<a href="https://www.purplemash.com/site#app/lessonplans/info/printables_science_shadows">https://www.purplemash.com/site#app/lessonplans/info/printables_science_shadows</a>	Using <b>2Graph</b> , investigate how changing the distance of a light source from an object affects shadow size. Record results using 2graph and make interpretation from the data.  <a href="https://www.purplemash.com/site#app/tools/2graph">https://www.purplemash.com/site#app/tools/2graph</a>

	Sundial – <b>Printable</b>	<a href="https://www.purplemash.com/site#app/lessonplans/info/printables_science_sundial">https://www.purplemash.com/site#app/lessonplans/info/printables_science_sundial</a>	Children create their own sundial and record where the shadow is formed at set intervals throughout a day.
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<b>FORCES AND MAGNETS</b>			
<b>National Curriculum Statement</b>	<b>Purple Mash Resource</b>	<b>Direct link to resource</b>	<b>Ideas, links to Planning &amp; Resources</b>
<ul style="list-style-type: none"> <li>• <b>COMPARE HOW THINGS MOVE ON DIFFERENT SURFACES</b></li> <li>• <b>NOTICE THAT SOME FORCES NEED CONTACT BETWEEN TWO OBJECTS, BUT MAGNETIC FORCES CAN ACT AT A DISTANCE</b></li> <li>• <b>OBSERVE HOW MAGNETS ATTRACT OR REPEL EACH OTHER AND ATTRACT SOME MATERIALS AND NOT OTHERS</b></li> <li>• <b>COMPARE AND GROUP TOGETHER A VARIETY OF EVERYDAY MATERIALS ON THE</b></li> </ul>	Forces in Action 1-(Publishing project - <b>2Publish</b> )	<a href="http://www.purplemash.com/#pup/forces">http://www.purplemash.com/#pup/forces</a>	Children could create a ramp and cover with different surfaces. Measure the distance a car rolls down each surface and record using <b>2Graph</b> .  <a href="https://www.purplemash.com/#app/isapps/graph">https://www.purplemash.com/#app/isapps/graph</a>  Within <b>2Quiz</b> , use the sorting question and sort materials into those that are magnetic and those that are not.  <a href="https://www.purplemash.com/#app/diyis/2quiz">https://www.purplemash.com/#app/diyis/2quiz</a>
	Forces in Action 2-(Publishing project - <b>2Publish</b> )	<a href="http://www.purplemash.com/#pup/forces2">http://www.purplemash.com/#pup/forces2</a>	
	Forces in Action 3-(Publishing project - <b>2Publish</b> )	<a href="http://www.purplemash.com/#pup/forces3">http://www.purplemash.com/#pup/forces3</a>	
	Magnets-(Publishing project - <b>2Publish</b> )	<a href="http://www.purplemash.com/#pup/magnets">http://www.purplemash.com/#pup/magnets</a>	
	Are They Magnetic-(Publishing project - <b>2Publish</b> )	<a href="http://www.purplemash.com/#pup/are_they_magnetic">http://www.purplemash.com/#pup/are_they_magnetic</a>	
	Magnets investigation – Printable	<a href="https://www.purplemash.com/site#app/lessonplans/info/printables_science_forces_magnets">https://www.purplemash.com/site#app/lessonplans/info/printables_science_forces_magnets</a>	

<p><b>BASIS OF WHETHER THEY ARE ATTRACTED TO A MAGNET, AND IDENTIFY SOME MAGNETIC MATERIALS</b></p> <ul style="list-style-type: none"> <li>• <b>DESCRIBE MAGNETS AS HAVING TWO POLES</b></li> <li>• <b>PREDICT WHETHER TWO MAGNETS WILL ATTRACT OR REPEL EACH OTHER, DEPENDING ON WHICH POLES ARE FACING.</b></li> </ul>			<p>Using <b>2Investigate</b>, children carry out an investigation as to what materials stop a magnet from being attracted to a paperclip and record their results in 2 investigate, making scientific reasoning as to why.</p>  <p><a href="https://www.purplemash.com/#app/tools/2inv">https://www.purplemash.com/#app/tools/2inv</a></p>
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## LIVING THINGS AND THEIR HABITATS

National Curriculum Statement	Purple Mash Resource	Direct link to resource	Ideas, links to Planning & Resources
<ul style="list-style-type: none"> <li>• <b>RECOGNISE THAT LIVING THINGS CAN BE GROUPED IN A VARIETY OF WAYS.</b></li> <li>• <b>EXPLORE AND USE CLASSIFICATION KEYS TO HELP GROUP, IDENTIFY AND NAME A VARIETY OF LIVING THINGS IN THEIR LOCAL AND WIDER ENVIRONMENT.</b></li> <li>• <b>RECOGNISE THAT ENVIRONMENTS CAN CHANGE AND THAT THIS CAN SOMETIMES POSE DANGERS TO LIVING THINGS.</b></li> </ul>	All About Birds -(Publishing project - <b>2Publish</b> )	<a href="http://www.purplemash.com/#pup/birds">http://www.purplemash.com/#pup/birds</a>	<p>Using <b>2Publish plus</b>, select an animal from somewhere else in the world except from where they live and write about how it has been adapted to live in that environment.</p>  <p><a href="https://www.purplemash.com/#tab/pm-home/tools/2_publish_plus">https://www.purplemash.com/#tab/pm-home/tools/2_publish_plus</a></p> <p>Using <b>2Quiz</b>, create a sorting question (Carroll diagram) and ask the children to sort animals into two groups e.g. amphibians and reptiles.</p>  <p><a href="https://www.purplemash.com/#app/diyjs/2quiz">https://www.purplemash.com/#app/diyjs/2quiz</a></p> <p>Create a branching database, using <b>2Question</b>, and sort animals using classification keys.</p>  <p><a href="https://www.purplemash.com/#app/tools/2question">https://www.purplemash.com/#app/tools/2question</a></p>
	All About Fish -(Publishing project - <b>2Publish</b> )	<a href="http://www.purplemash.com/#pup/fish">http://www.purplemash.com/#pup/fish</a>	
	All About Amphibians -(Publishing project - <b>2Publish</b> )	<a href="http://www.purplemash.com/#pup/amphibians">http://www.purplemash.com/#pup/amphibians</a>	
	All About Reptiles -(Publishing project - <b>2Publish</b> )	<a href="http://www.purplemash.com/#pup/reptiles">http://www.purplemash.com/#pup/reptiles</a>	
	All About Mammals -(Publishing project - <b>2Publish</b> )	<a href="http://www.purplemash.com/#pup/mammals">http://www.purplemash.com/#pup/mammals</a>	
	All About Nocturnal Animals - (Publishing project - <b>2Publish</b> )	<a href="http://www.purplemash.com/#pup/animals_nocturnalallabout">http://www.purplemash.com/#pup/animals_nocturnalallabout</a>	
	Sorting into Mammals and Reptiles ( <b>2Diy</b> )	<a href="http://www.purplemash.com/site/games/2diy/Mammals_Reptiles">http://www.purplemash.com/site/games/2diy/Mammals_Reptiles</a>	
	Sorting into Vertebrates and Invertebrates ( <b>2Diy</b> )	<a href="http://www.purplemash.com/site/games/2diy/vertsandinverts">http://www.purplemash.com/site/games/2diy/vertsandinverts</a>	
	Adapt the Pets Database to Include More Information About the Animals. For Example, Nocturnal, Carnivore	<a href="http://www.purplemash.com/#2inv/pets">http://www.purplemash.com/#2inv/pets</a>	
	Oil Slick News -(Publishing project - <b>2Publish</b> )	<a href="http://www.purplemash.com/#pup/oilnews">http://www.purplemash.com/#pup/oilnews</a>	
Habitats – Grouping Organisms <b>Printable.</b>	<a href="https://www.purplemash.com/#app/lessonplans/info/printables_science_habitats">https://www.purplemash.com/#app/lessonplans/info/printables_science_habitats</a>		

## ANIMALS, INCLUDING HUMANS

National Curriculum Statement	Purple Mash Resource	Direct link to resource	Ideas, links to Planning & Resources
<ul style="list-style-type: none"> <li>• DESCRIBE THE SIMPLE FUNCTIONS OF THE BASIC PARTS OF THE DIGESTIVE SYSTEM IN HUMANS</li> <li>• IDENTIFY THE DIFFERENT TYPES OF TEETH IN HUMANS AND THEIR SIMPLE FUNCTIONS</li> <li>• CONSTRUCT AND INTERPRET A VARIETY OF FOOD CHAINS, IDENTIFYING PRODUCERS, PREDATORS AND PREY.</li> </ul>	Label the Digestive System ( <b>2Diy</b> )	<a href="http://www.purplemash.com/site/games/2diy/digestive_system">http://www.purplemash.com/site/games/2diy/digestive_system</a>	<p>Use the sorting question in <b>2Quiz</b> to highlight food that is damaging to teeth and food which isn't.</p>  <p><a href="https://www.purplemash.com/#app/diyis/2quiz">https://www.purplemash.com/#app/diyis/2quiz</a></p> <p>Use the labelling question in <b>2Quiz</b> and take or draw a picture of the digestive system and label accordingly.</p>  <p><a href="https://www.purplemash.com/#app/diyis/2quiz">https://www.purplemash.com/#app/diyis/2quiz</a></p> <p>Plan a fair experiment for testing the effects of sugary drinks on egg shell coating using the <b>Fair Test</b> pup.</p>  <p><a href="https://www.purplemash.com/#app/pup/fair_test">https://www.purplemash.com/#app/pup/fair_test</a></p>
	Digestion - <b>Printable</b>	<a href="https://www.purplemash.com/#app/lessonplans/info/printables_science_digestion">https://www.purplemash.com/#app/lessonplans/info/printables_science_digestion</a>	
	Healthy Teeth Leaflet -(Publishing project - <b>2Publish</b> )	<a href="http://www.purplemash.com/#leaflets/healthyteeth">http://www.purplemash.com/#leaflets/healthyteeth</a>	
	Healthy Teeth -(Publishing project - <b>2Publish</b> )	<a href="http://www.purplemash.com/#pup/teeth">http://www.purplemash.com/#pup/teeth</a>	
	Human Teeth – <b>Printable</b>	<a href="https://www.purplemash.com/#app/lessonplans/info/printables_science_human_teeth">https://www.purplemash.com/#app/lessonplans/info/printables_science_human_teeth</a>	
	Human Teeth Quiz – ( <b>2Quiz</b> )	<a href="https://www.purplemash.com/#app/games/2diy/Human_teeth">https://www.purplemash.com/#app/games/2diy/Human_teeth</a>	
	Identifying my own teeth – <b>Printable</b>	<a href="https://www.purplemash.com/#app/lessonplans/info/printables_science_my_teeth">https://www.purplemash.com/#app/lessonplans/info/printables_science_my_teeth</a>	
	Food Chain -(Publishing project - <b>2Publish</b> )	<a href="http://www.purplemash.com/#pup/habitats">http://www.purplemash.com/#pup/habitats</a>	
	Food Chain Quiz ( <b>2Quiz</b> )	<a href="https://www.purplemash.com/#app/game/2diy/Food_chains">https://www.purplemash.com/#app/game/2diy/Food_chains</a>	
	Food Chain – <b>Printable</b>	<a href="https://www.purplemash.com/#app/lessonplans/info/printables_science_food_chains">https://www.purplemash.com/#app/lessonplans/info/printables_science_food_chains</a>	

## STATES OF MATTER




National Curriculum Statement	Purple Mash Resource	Direct link to resource	Ideas, links to Planning & Resources
<ul style="list-style-type: none"> <li>• <b>COMPARE AND GROUP MATERIALS TOGETHER, ACCORDING TO WHETHER THEY ARE SOLIDS, LIQUIDS OR GASES</b></li> <li>• <b>OBSERVE THAT SOME MATERIALS CHANGE STATE WHEN THEY ARE HEATED OR COOLED, AND MEASURE OR RESEARCH THE TEMPERATURE AT WHICH THIS HAPPENS IN DEGREES CELSIUS (°C)</b></li> <li>• <b>IDENTIFY THE PART PLAYED BY EVAPORATION AND CONDENSATION IN THE WATER CYCLE AND ASSOCIATE THE RATE OF EVAPORATION WITH TEMPERATURE.</b></li> </ul>	Solids, Liquids and Gases -(Publishing project - <b>2Publish</b> )	<a href="http://www.purplemash.com/#p/solidsliquidsgases">http://www.purplemash.com/#p/solidsliquidsgases</a>	<p>Use the experiment planner in <b>2Connect</b> to plan out an experiment to test what happens to materials when they are heated or cooled.</p>  <p><a href="https://www.purplemash.com/#app/tools/2Connect">https://www.purplemash.com/#app/tools/2Connect</a></p> <p>Using the grouping option within <b>2Quiz</b>, sort materials out into three categories – solid, liquid and gas.</p>  <p><a href="https://www.purplemash.com/#app/diyjs/2quizg">https://www.purplemash.com/#app/diyjs/2quizg</a></p>
	Reversible and Irreversible Changes - (Publishing project - <b>2Publish</b> )	<a href="http://www.purplemash.com/#p/reversechange">http://www.purplemash.com/#p/reversechange</a>	
	Water Cycle -(Publishing project - <b>2Publish</b> )	<a href="http://www.purplemash.com/site#pup/watercycle">http://www.purplemash.com/site#pup/watercycle</a>	
	Water Cycle Developing Tray activity	<a href="https://www.purplemash.com/#app/devtray/The_water_cycle_dev_tray">https://www.purplemash.com/#app/devtray/The_water_cycle_dev_tray</a>	
	Water Cycle	<a href="https://www.purplemash.com/app/folder/water_cycle">https://www.purplemash.com/app/folder/water_cycle</a>	
Fair Test -(Publishing project - <b>2Publish</b> )	<a href="https://www.purplemash.com/#app/pup/fair_test">https://www.purplemash.com/#app/pup/fair_test</a>		




Need more support? **Contact us**

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SOUND			
National Curriculum Statement	Purple Mash Resource	Direct link to resource	Ideas, links to Planning & Resources
<ul style="list-style-type: none"> <li>IDENTIFY HOW SOUNDS ARE MADE, ASSOCIATING SOME OF THEM WITH SOMETHING VIBRATING</li> <li>RECOGNISE THAT VIBRATIONS FROM SOUNDS TRAVEL THROUGH A MEDIUM TO THE EAR</li> <li>FIND PATTERNS BETWEEN THE PITCH OF A SOUND AND FEATURES OF THE OBJECT THAT PRODUCED IT</li> <li>FIND PATTERNS BETWEEN THE VOLUME OF A SOUND AND THE STRENGTH OF THE VIBRATIONS THAT PRODUCED IT</li> <li>RECOGNISE THAT SOUNDS GET FAINTER AS THE DISTANCE FROM THE SOUND SOURCE INCREASES.</li> </ul>	How Different Sounds Are Produced and The Way That Sound Travels (2Diy)	<a href="http://www.purplemash.com/site/games/2diy/how_sounds_are_made">http://www.purplemash.com/site/games/2diy/how_sounds_are_made</a>	Ask the children to explore a range of sound making items and then record them using <b>2Sequence</b> . Get them to order the recording from loudest to quietest. 
	How Sounds Are Made. – Slide Show	<a href="http://www.purplemash.com/site/bloglinks/sound_slideshow">http://www.purplemash.com/site/bloglinks/sound_slideshow</a>	
	How Sounds Are Made - Leaflet - (Publishing project -2Publish)	<a href="http://www.purplemash.com/site/leaflets/Sound">http://www.purplemash.com/site/leaflets/Sound</a>	Explore premade short clips in <b>2sequence</b> . Ask the children to create a composition which demonstrates scales. Get them to explain what is happening for us to hear a change in pitch. 
	Sounds Quiz (2Diy)	<a href="http://www.purplemash.com/site/games/2diy/how_sounds_are_made">http://www.purplemash.com/site/games/2diy/how_sounds_are_made</a>	
	Sound Postcard-(Publishing project -2Publish)	<a href="http://www.purplemash.com/site/postcards/soundpostcard">http://www.purplemash.com/site/postcards/soundpostcard</a>	Using <b>2Animate</b> , children to produce an animation which models the process of sound travelling from a source to the ear through different mediums. 
	Guitarist – Mashcam	<a href="https://www.purplemash.com/app/mashcam/guitarist_cam">https://www.purplemash.com/app/mashcam/guitarist_cam</a>	
	Absorbing Sound - Printable	<a href="https://www.purplemash.com/tab/pm-home/science/sound/printable_resources_science_sound">https://www.purplemash.com/tab/pm-home/science/sound/printable_resources_science_sound</a>	
	Sound Insulation-(Publishing project -2Publish)	<a href="https://www.purplemash.com/app/pup/Sound_insulation">https://www.purplemash.com/app/pup/Sound_insulation</a>	
How Humans Hear – (2Quiz)	<a href="https://www.purplemash.com/app/games/2diy/Hearing">https://www.purplemash.com/app/games/2diy/Hearing</a>		
Fair Test - (Publishing project -2Publish)	<a href="https://www.purplemash.com/app/pup/fair_test">https://www.purplemash.com/app/pup/fair_test</a>		






ELECTRICITY			
National Curriculum Statement	Purple Mash Resource	Direct link to resource	Ideas, links to Planning & Resources
<ul style="list-style-type: none"> <li>IDENTIFY COMMON APPLIANCES THAT RUN ON ELECTRICITY</li> <li>CONSTRUCT A SIMPLE SERIES ELECTRICAL CIRCUIT, IDENTIFYING AND NAMING ITS BASIC PARTS, INCLUDING CELLS, WIRES, BULBS, SWITCHES AND BUZZERS.</li> <li>IDENTIFY WHETHER OR NOT A LAMP WILL LIGHT IN A SIMPLE SERIES CIRCUIT, BASED ON WHETHER OR NOT THE LAMP IS PART OF A COMPLETE LOOP WITH A BATTERY.</li> <li>RECOGNISE THAT A SWITCH OPENS AND CLOSES A CIRCUIT AND ASSOCIATE THIS WITH WHETHER OR NOT A LAMP</li> </ul>	To Sort Objects into Electrical and Non-Electrical ( <b>2Diy</b> )	<a href="http://www.purplemash.com/site#game/2diy/electricalnotelectrical">http://www.purplemash.com/site#game/2diy/electricalnotelectrical</a>	<p>The following resource could be adapted to suit Year 4 pupils. KS2 Circuits Practical Enquiry – <b>Printable</b></p> <p><a href="https://www.purplemash.com/#app/lessonplans/info/printables_science_circuits_practical_enquiry">https://www.purplemash.com/#app/lessonplans/info/printables_science_circuits_practical_enquiry</a></p> <p><b>2Quiz</b> suggestions:</p>  <p>Use the sorting question and ask the children to sort appliances in the house that need electricity to work.</p> <ul style="list-style-type: none"> <li>Take images of a circuit and upload to the labelling question in 2Quiz. Children to name the correct parts by dragging labels.</li> <li>Use the image-based question and upload various circuits. Children must decide which</li> </ul>
	Electrical Safety Leaflet - (Publishing project - <b>2Publish</b> )	<a href="https://www.purplemash.com/#app/leaflets/Electrical_Safety">https://www.purplemash.com/#app/leaflets/Electrical_Safety</a>	
	Electricity in The Home - (Publishing project - <b>2Publish</b> )	<a href="https://www.purplemash.com/#app/pup/Electricity_in_the_home">https://www.purplemash.com/#app/pup/Electricity_in_the_home</a>	
	Electrical Components – (Publishing project - <b>2Publish</b> )	<a href="https://www.purplemash.com/#app/pup/How_a_bulb_lights_up">https://www.purplemash.com/#app/pup/How_a_bulb_lights_up</a>	
	How A Bulb Works in A Circuit - (Publishing project - <b>2Publish</b> )	<a href="https://www.purplemash.com/#app/pup/How_a_bulb_lights_up">https://www.purplemash.com/#app/pup/How_a_bulb_lights_up</a>	
	Ordering Brightness of Bulbs - (Publishing project - <b>2Publish</b> )	<a href="https://www.purplemash.com/#app/tools/2pubextra/Ordering_the_brightness_of_the_bulb">https://www.purplemash.com/#app/tools/2pubextra/Ordering_the_brightness_of_the_bulb</a>	
	Electrical Symbols Pairs – ( <b>2Diy</b> )	<a href="https://www.purplemash.com/#app/games/2diy/Electrical_Symbols_Pairs">https://www.purplemash.com/#app/games/2diy/Electrical_Symbols_Pairs</a>	
	Electrical Engineer – <b>Mashcam</b>	<a href="https://www.purplemash.com/#app/mashcam/Electrical_engineer_cam">https://www.purplemash.com/#app/mashcam/Electrical_engineer_cam</a>	

<p><b>LIGHTS IN A SIMPLE SERIES CIRCUIT.</b></p> <ul style="list-style-type: none"> <li>• <b>RECOGNISE SOME COMMON CONDUCTORS AND INSULATORS, AND ASSOCIATE METALS WITH BEING GOOD CONDUCTORS.</b></li> </ul>	<p>Thomas Edison Fact files - (Publishing project -<b>2Publish</b>)</p>	<p><a href="https://www.purplemash.com/#tab/pm-home/science/famous_scientists/thomas_edison">https://www.purplemash.com/#tab/pm-home/science/famous_scientists/thomas_edison</a></p>	<p>circuits will work and what will happen when power is applied.</p> <p><a href="https://www.purplemash.com/#app/diyjs/2quiz">https://www.purplemash.com/#app/diyjs/2quiz</a></p>  <p><b>2DIY Games</b></p> <p>Children can create their own games where points are scored or lost due to various properties of objects such as conductor, insulator etc.</p> <p><a href="https://www.purplemash.com/#tab/pm-home/tools/2diynew">https://www.purplemash.com/#tab/pm-home/tools/2diynew</a></p>
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## LIVING THINGS AND THEIR HABITATS


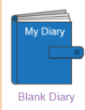
National Curriculum Statement	Purple Mash Resource	Direct link to resource	Ideas, links to Planning & Resources
<ul style="list-style-type: none"> <li>DESCRIBE THE DIFFERENCES IN THE LIFE CYCLES OF A MAMMAL, AN AMPHIBIAN, AN INSECT AND A BIRD.</li> <li>DESCRIBE THE LIFE PROCESS OF REPRODUCTION IN SOME PLANTS AND ANIMALS.</li> </ul>	Life Cycle of a Butterfly - (Publishing project - <b>2Publish</b> )	<a href="http://www.purplemash.com/#pup/minibeasts_butterflylifecycle">http://www.purplemash.com/#pup/minibeasts_butterflylifecycle</a>	The following resource could be adapted to suit Year 5. Butterfly Life Cycle - <b>Printable.</b>
	Life Cycle of a Butterfly - (Publishing project - <b>2Publish</b> )	<a href="http://www.purplemash.com/#leaflets/butterflylifecycle">http://www.purplemash.com/#leaflets/butterflylifecycle</a>	<a href="https://www.purplemash.com/#app/lessonplans/info/printables_science_lifecyclebutterfly">https://www.purplemash.com/#app/lessonplans/info/printables_science_lifecyclebutterfly</a>
	All About Germination - (Publishing project - <b>2Publish</b> )	<a href="http://www.purplemash.com/#pup/germination">http://www.purplemash.com/#pup/germination</a>	Using <b>2Investigate</b> , produce a database of amphibians, insects, mammals, or birds from around the world. 
	Adult and Baby Animals - (Publishing project - <b>2Publish</b> )	<a href="http://www.purplemash.com/#pup/adultandbabyanimals">http://www.purplemash.com/#pup/adultandbabyanimals</a>	<a href="https://www.purplemash.com/#app/tools/2inv">https://www.purplemash.com/#app/tools/2inv</a>
	Life Cycle of a Plant – ( <b>2Diy</b> )	<a href="https://www.purplemash.com/#app/games/2diy/life_cycle_of_a_plant">https://www.purplemash.com/#app/games/2diy/life_cycle_of_a_plant</a>	Using the lesson Coding Principles – Handling Input create a simple quiz about the life cycle of an animal  <a href="https://www.purplemash.com/app/code/codeprinciples/2codehandlinginput-en_us">https://www.purplemash.com/app/code/codeprinciples/2codehandlinginput-en_us</a>


## ANIMALS, INCLUDING HUMANS


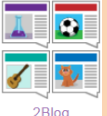

National Curriculum Statement	Purple Mash Resource	Direct link to resource	Ideas, links to Planning & Resources
<ul style="list-style-type: none"> <li>DESCRIBE THE CHANGES AS HUMANS DEVELOP TO OLD AGE.</li> </ul>	Growing and Changing - (Publishing project - <b>2Publish</b> )	<a href="http://www.purplemash.com/#pup/growingandchanging">http://www.purplemash.com/#pup/growingandchanging</a>	Using <b>2Quiz</b> , create a labelling activity to show what happens to the body of a boy and girl as they get older. 
	Growing and Changing – <b>Printable</b>	<a href="https://www.purplemash.com/#app/lessonplans/info/printables_science_growing_changing">https://www.purplemash.com/#app/lessonplans/info/printables_science_growing_changing</a>	<a href="https://www.purplemash.com/#app/diyjs/2quiz">https://www.purplemash.com/#app/diyjs/2quiz</a>
	Biologist <b>Mashcam</b>	<a href="https://www.purplemash.com/#app/mashcam/biologist_cam">https://www.purplemash.com/#app/mashcam/biologist_cam</a>	Create a sorting activity in <b>2Quiz</b> and ask the children to sort changes onto male changes, female changes, and changes to both sexes.  <a href="https://www.purplemash.com/#app/diyjs/2quiz">https://www.purplemash.com/#app/diyjs/2quiz</a> Using <b>2Blog</b> , ask the children to respond to a blog about changes as we get older. An excellent way for encouraging thinking and stimulating discussions.  <a href="https://www.purplemash.com/app/link/2blogchildren#/app/admin/home">https://www.purplemash.com/app/link/2blogchildren#/app/admin/home</a>

## PROPERTIES AND CHANGES OF MATERIALS

National Curriculum Statement	Purple Mash Resource	Direct link to resource	Ideas, links to Planning & Resources
<ul style="list-style-type: none"> <li>COMPARE AND GROUP TOGETHER EVERYDAY MATERIALS ON THE BASIS OF THEIR PROPERTIES, INCLUDING THEIR HARDNESS, SOLUBILITY, TRANSPARENCY, CONDUCTIVITY (ELECTRICAL AND THERMAL), AND RESPONSE TO MAGNETS.</li> <li>KNOW THAT SOME MATERIALS WILL DISSOLVE IN LIQUID TO FORM A SOLUTION AND DESCRIBE HOW TO RECOVER A SUBSTANCE FROM A SOLUTION.</li> <li>USE KNOWLEDGE OF SOLIDS, LIQUIDS AND GASES TO DECIDE HOW MIXTURES MIGHT BE SEPARATED, INCLUDING THROUGH FILTERING, SIEVING AND EVAPORATING.</li> <li>GIVE REASONS, BASED ON EVIDENCE FROM COMPARATIVE AND FAIR</li> </ul>	To Compare the Features and Properties of Some Natural and Manmade Materials ( <b>2Diy</b> )	<a href="http://www.purplemash.com/site#games/2diy/naturalandmanmade">http://www.purplemash.com/site#games/2diy/naturalandmanmade</a>	<p>Using <b>2Quiz</b>, ask the children to create a Venn diagram with specific criterion. For example, they could use it to sort materials according to their various properties such as transparency, rigidity, responses to magnets etc.</p>  <p><a href="https://www.purplemash.com/#app/diyis/2quizg">https://www.purplemash.com/#app/diyis/2quizg</a></p> <p>Using <b>2Investigate</b>, create a database of different materials and their properties. Children write various questions and ask their peers to answer them by sorting the database for appropriate information.</p>  <p><a href="https://www.purplemash.com/#app/tools/2inv">https://www.purplemash.com/#app/tools/2inv</a></p> <p>Using <b>2Question</b>, design a branching database to separate various materials by asking questions about their properties.</p>
	Describe the Properties of Materials -(Publishing project - <b>2Publish</b> )	<a href="http://www.purplemash.com/site#pup/Materials">http://www.purplemash.com/site#pup/Materials</a>	
	Compare Materials -(Publishing project - <b>2Publish</b> )	<a href="http://www.purplemash.com/site#pup/comparethematerials">http://www.purplemash.com/site#pup/comparethematerials</a>	
	Irreversible Changes -(Publishing project - <b>2Publish</b> )	<a href="http://www.purplemash.com/site#pup/irreversiblechanges">http://www.purplemash.com/site#pup/irreversiblechanges</a>	
	Reversible Changes -(Publishing project - <b>2Publish</b> )	<a href="http://www.purplemash.com/site#pup/reversiblechanges">http://www.purplemash.com/site#pup/reversiblechanges</a>	
	Solids Liquids and Gases - (Publishing project - <b>2Publish</b> )	<a href="http://www.purplemash.com/#pup/solidliquidsgases">http://www.purplemash.com/#pup/solidliquidsgases</a>	
	Fair Test Experiment -(Publishing project - <b>2Publish</b> )	<a href="http://www.purplemash.com/site#pup/fair_test">http://www.purplemash.com/site#pup/fair_test</a>	
	Reversible Changes -(Publishing project - <b>2Publish</b> )	<a href="http://www.purplemash.com/site#pup/reversiblechanges">http://www.purplemash.com/site#pup/reversiblechanges</a>	
Irreversible Changes -(Publishing project - <b>2Publish</b> )	<a href="http://www.purplemash.com/site#pup/irreversiblechanges">http://www.purplemash.com/site#pup/irreversiblechanges</a>		



<p>TESTS, FOR THE PARTICULAR USES OF EVERYDAY MATERIALS, INCLUDING METALS, WOOD AND PLASTIC.</p> <ul style="list-style-type: none"> <li>• DEMONSTRATE THAT DISSOLVING, MIXING AND CHANGES OF STATE ARE REVERSIBLE CHANGES.</li> <li>• EXPLAIN THAT SOME CHANGES RESULT IN THE FORMATION OF NEW MATERIALS, AND THAT THIS KIND OF CHANGE IS NOT USUALLY REVERSIBLE, INCLUDING CHANGES ASSOCIATED WITH BURNING AND THE ACTION OF ACID ON BICARBONATE OF SODA.</li> </ul>			<p>Use <b>2Connect</b> to plan out an experiment to test for reversible and irreversible changes.</p>  <p><a href="https://www.purplemash.com/#app/tools/2Connect">https://www.purplemash.com/#app/tools/2Connect</a></p> <p>Using the <b>blank diary</b>, use a camera and record what happens each day when you try to separate two materials and show reversible change e.g. salt and water.</p>  <p><a href="https://www.purplemash.com/#app/pup/Blank%20diary">https://www.purplemash.com/#app/pup/Blank diary</a></p>
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EARTH AND SPACE			
National Curriculum Statement	Purple Mash Resource	Direct link to resource	Ideas, links to Planning & Resources
<ul style="list-style-type: none"> <li>DESCRIBE THE MOVEMENT OF THE EARTH, AND OTHER PLANETS, RELATIVE TO THE SUN IN THE SOLAR SYSTEM.</li> <li>DESCRIBE THE MOVEMENT OF THE MOON RELATIVE TO THE EARTH.</li> <li>DESCRIBE THE SUN, EARTH AND MOON AS APPROXIMATELY SPHERICAL BODIES.</li> <li>USE THE IDEA OF THE EARTH'S ROTATION TO EXPLAIN DAY AND NIGHT AND THE APPARENT MOVEMENT OF THE SUN ACROSS THE SKY.</li> </ul>	The Planets -(Publishing project - <b>2Publish</b> )	<a href="http://www.purplemash.com/#pup/planetorder">http://www.purplemash.com/#pup/planetorder</a>	<p>Famous Scientists – Fact files</p> <p><a href="https://www.purplemash.com/#tab/pm-home/science/famous_scientists">https://www.purplemash.com/#tab/pm-home/science/famous_scientists</a></p> <p>Space <b>Printables</b></p> <ul style="list-style-type: none"> <li>Day &amp; Night</li> <li>Geocentric &amp; Heliocentric</li> <li>The Planets – Movement</li> <li>The Planets – Order</li> <li>Planet Fact Cards</li> <li>Planet Fact Cards (Blank)</li> </ul> <p><a href="https://www.purplemash.com/#tab/pm-home/science/science_resources/printable_resources_science_space">https://www.purplemash.com/#tab/pm-home/science/science_resources/printable_resources_science_space</a></p> <p>Use <b>2investigate</b> to get the children to interrogate a database on the planets.</p>  <p><a href="https://www.purplemash.com/#app/tools/2inv">https://www.purplemash.com/#app/tools/2inv</a></p>
	Day and Night -(Publishing project - <b>2Publish</b> )	<a href="http://www.purplemash.com/site#pup/earth_movement">http://www.purplemash.com/site#pup/earth_movement</a>	
	Planet Profile -(Publishing project - <b>2Publish</b> )	<a href="http://www.purplemash.com/#pup/planetprofile">http://www.purplemash.com/#pup/planetprofile</a>	
	Movement of the Earth -(Publishing project - <b>2Publish</b> )	<a href="https://www.purplemash.com/#app/pup/earth_movement">https://www.purplemash.com/#app/pup/earth_movement</a>	
	Movement of the Moon -(Publishing project - <b>2Publish</b> )	<a href="https://www.purplemash.com/#app/pup/moon_movement">https://www.purplemash.com/#app/pup/moon_movement</a>	
	Solar System Leaflet -(Publishing project - <b>2Publish</b> )	<a href="https://www.purplemash.com/#app/leaflets/solarsystem">https://www.purplemash.com/#app/leaflets/solarsystem</a>	
	Space Information Leaflet -(Publishing project - <b>2Publish</b> )	<a href="https://www.purplemash.com/#app/leaflets/spaceinformation_leaflet_2">https://www.purplemash.com/#app/leaflets/spaceinformation_leaflet_2</a>	
	Neil Armstrong -(Publishing project - <b>2Publish</b> )	<a href="https://www.purplemash.com/#app/pup/neilarmstrong_interest">https://www.purplemash.com/#app/pup/neilarmstrong_interest</a>	

	Interview with Neil Armstrong - (Publishing project - <b>2Publish</b> )	<a href="https://www.purplemash.com/#app/pup/neilarmstrong_interview">https://www.purplemash.com/#app/pup/neilarmstrong_interview</a>	<p>Using <b>2Diy 3D</b>, create a 3D game where the children must collect the planets and avoid the asteroids.</p>  <p><a href="https://www.purplemash.com/#ab/pm-home/tools/2diygaming">https://www.purplemash.com/#ab/pm-home/tools/2diygaming</a></p> <p>Use <b>2Blog</b> to create a class blog where the children can save any research they complete to support the study of Earth and Space.</p>  <p><a href="https://www.purplemash.com/app/link/2blogchildren#/app/admin/home">https://www.purplemash.com/app/link/2blogchildren#/app/admin/home</a></p> <p>Children can use <b>2Animate</b>, to create an animation which demonstrates day and night.</p>  <p><a href="https://www.purplemash.com/#app/tools/2ani">https://www.purplemash.com/#app/tools/2ani</a></p>
	Moon Landing News -(Publishing project - <b>2Publish</b> )	<a href="https://www.purplemash.com/#app/pup/moon_landing1">https://www.purplemash.com/#app/pup/moon_landing1</a>	
	Moon Landing News 2 -(Publishing project - <b>2Publish</b> )	<a href="https://www.purplemash.com/#app/pup/moon_landing2">https://www.purplemash.com/#app/pup/moon_landing2</a>	
	Moon Landing Research -(Publishing project - <b>2Publish</b> )	<a href="https://www.purplemash.com/#app/pup/moon_landing_research">https://www.purplemash.com/#app/pup/moon_landing_research</a>	
	Neil Armstrong – <b>2Respond</b>	<a href="https://www.purplemash.com/app/2email/2respond/neilarmstrong_2respond#/c_himp">https://www.purplemash.com/app/2email/2respond/neilarmstrong_2respond#/c_himp</a>	
	Astronaut – <b>Mashcam</b>	<a href="https://www.purplemash.com/#app/mashcam/astronaut_cam">https://www.purplemash.com/#app/mashcam/astronaut_cam</a>	

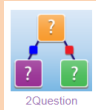



# FORCES


National Curriculum Statement	Purple Mash Resource	Direct link to resource	Ideas, links to Planning & Resources
<ul style="list-style-type: none"> <li>• EXPLAIN THAT UNSUPPORTED OBJECTS FALL TOWARDS THE EARTH BECAUSE OF THE FORCE OF GRAVITY ACTING BETWEEN THE EARTH AND THE FALLING OBJECT.</li> <li>• IDENTIFY THE EFFECTS OF AIR RESISTANCE, WATER RESISTANCE AND FRICTION, THAT ACT BETWEEN MOVING SURFACES.</li> <li>• RECOGNISE THAT SOME MECHANISMS, INCLUDING LEVERS, PULLEYS AND GEARS, ALLOW A SMALLER FORCE TO HAVE A GREATER EFFECT.</li> </ul>	Forces in Action 1 -(Publishing project - <b>2Publish</b> )	<a href="http://www.purplemash.com/#pup/forces">http://www.purplemash.com/#pup/forces</a>	<p>Create a graph to show how much force is needed to drag an object over different surfaces.</p>  <p><a href="https://www.purplemash.com/#app/isapps/graph">https://www.purplemash.com/#app/isapps/graph</a></p> <p>Plan a fair test using this publishing resource template.</p> <p><a href="https://www.purplemash.com/#app/pup/fair_test">https://www.purplemash.com/#app/pup/fair_test</a></p> <p>Create a vehicle to see how far it moves down different surfaces. Use <b>2Design and Make</b> to create the top of the vehicle to go over the chassis.</p>  <p><a href="https://www.purplemash.com/#app/tools/2dam">https://www.purplemash.com/#app/tools/2dam</a></p>
	Forces in Action 2 -(Publishing project - <b>2Publish</b> )	<a href="http://www.purplemash.com/#pup/forces2">http://www.purplemash.com/#pup/forces2</a>	
	Forces in Action 3 -(Publishing project - <b>2Publish</b> )	<a href="http://www.purplemash.com/#pup/forces3">http://www.purplemash.com/#pup/forces3</a>	
	Isaac Newton - (Publishing project - <b>2Publish</b> )	<a href="https://www.purplemash.com/#app/pup/Isaac_Newton_allabout">https://www.purplemash.com/#app/pup/Isaac_Newton_allabout</a>	
	Types of Forces – <b>Printable</b>	<a href="https://www.purplemash.com/#app/lessonplans/info/printables_science_forces_types">https://www.purplemash.com/#app/lessonplans/info/printables_science_forces_types</a>	
	Isaac Newton – <b>2Respond</b>	<a href="https://www.purplemash.com/app/2email/2respond/isaacnewton_2respond">https://www.purplemash.com/app/2email/2respond/isaacnewton_2respond</a>	




			<p>Create a mind map to plan an experiment to identify the effects of friction on a moving object.</p>  <p><a href="https://www.purplemash.com/#app/tools/2Connect">https://www.purplemash.com/#app/tools/2Connect</a></p>
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## LIVING THINGS AND THEIR HABITATS

National Curriculum Statement	Purple Mash Resource	Direct link to resource	Ideas, links to Planning & Resources
<ul style="list-style-type: none"> <li>• DESCRIBE HOW LIVING THINGS ARE CLASSIFIED INTO BROAD GROUPS ACCORDING TO COMMON OBSERVABLE CHARACTERISTICS AND BASED ON SIMILARITIES AND DIFFERENCES, INCLUDING MICRO-ORGANISMS, PLANTS AND ANIMALS</li> <li>• GIVE REASONS FOR CLASSIFYING PLANTS AND ANIMALS BASED ON SPECIFIC CHARACTERISTICS.</li> </ul>	All about Birds -(Publishing project - <b>2Publish</b> )	<a href="https://www.purplemash.com/#app/pup/birds">https://www.purplemash.com/#app/pup/birds</a>	Famous Scientists – Fact files
	All About Fish -(Publishing project - <b>2Publish</b> )	<a href="https://www.purplemash.com/#app/pup/fish">https://www.purplemash.com/#app/pup/fish</a>	<a href="https://www.purplemash.com/#ab/pm-home/science/famous_scientists">https://www.purplemash.com/#ab/pm-home/science/famous_scientists</a>
	All About Amphibians -(Publishing project - <b>2Publish</b> )	<a href="https://www.purplemash.com/#app/pup/amphibians">https://www.purplemash.com/#app/pup/amphibians</a>	Animals – <b>Printable</b> resources
	All About Reptiles -(Publishing project - <b>2Publish</b> )	<a href="https://www.purplemash.com/#app/pup/reptiles">https://www.purplemash.com/#app/pup/reptiles</a>	<a href="https://www.purplemash.com/#ab/pm-home/science/animals/printable_resources_science_animals">https://www.purplemash.com/#ab/pm-home/science/animals/printable_resources_science_animals</a>
	All About Mammals -(Publishing project - <b>2Publish</b> )	<a href="https://www.purplemash.com/#app/pup/mammals">https://www.purplemash.com/#app/pup/mammals</a>	Ask the children to use <b>2Question</b> to make a classification branching database.
	All About Nocturnal Animals -(Publishing project - <b>2Publish</b> )	<a href="https://www.purplemash.com/#app/pup/animals_nocturnalallabout">https://www.purplemash.com/#app/pup/animals_nocturnalallabout</a>	 <a href="https://www.purplemash.com/#app/tools/2question">https://www.purplemash.com/#app/tools/2question</a>
	Microorganisms Leaflet -(Publishing project - <b>2Publish</b> )	<a href="https://www.purplemash.com/#app/leaflets/microorganisms_leaflet">https://www.purplemash.com/#app/leaflets/microorganisms_leaflet</a>	Use <b>2investigate</b> to create a collaborative database on classification.
	All About Microorganisms -(Publishing project - <b>2Publish</b> )	<a href="https://www.purplemash.com/#app/pup/microorganisms_allabout">https://www.purplemash.com/#app/pup/microorganisms_allabout</a>	 <a href="https://www.purplemash.com/#app/tools/2inv">https://www.purplemash.com/#app/tools/2inv</a>


## ANIMALS, INCLUDING HUMANS

National Curriculum Statement	Purple Mash Resource	Direct link to resource	Ideas, links to Planning & Resources
<ul style="list-style-type: none"> <li>IDENTIFY AND NAME THE MAIN PARTS OF THE HUMAN CIRCULATORY SYSTEM, AND DESCRIBE THE FUNCTIONS OF THE HEART, BLOOD VESSELS AND BLOOD.</li> <li>RECOGNISE THE IMPACT OF DIET, EXERCISE, DRUGS AND LIFESTYLE ON THE WAY THEIR BODIES FUNCTION.</li> <li>DESCRIBE THE WAYS IN WHICH NUTRIENTS AND WATER ARE TRANSPORTED WITHIN ANIMALS, INCLUDING HUMANS.</li> </ul>	All About Organs -(Publishing project - <b>2Publish</b> )	<a href="http://www.purplemash.com/#pup/hb_allabout_organ_s">http://www.purplemash.com/#pup/hb_allabout_organ_s</a>	<p>The Human Body – <b>Printable</b> resources</p> <ul style="list-style-type: none"> <li>Circulation – Blood</li> <li>Circulation – Heart</li> <li>Circulation – Lungs</li> </ul> <p><a href="https://www.purplemash.com/#/ab/pm-home/science/human_body/printable_resources_science_humanbody">https://www.purplemash.com/#/ab/pm-home/science/human_body/printable_resources_science_humanbody</a></p> <p>Health and Growth – <b>Printable</b> resources</p> <ul style="list-style-type: none"> <li>Exercise</li> </ul> <p><a href="https://www.purplemash.com/#/ab/pm-home/science/health_and_growth/printable_resources_science_health_and_growth">https://www.purplemash.com/#/ab/pm-home/science/health_and_growth/printable_resources_science_health_and_growth</a></p> <p>Create a graph to show the effect of different kinds of exercise on the heart.</p>  <p><a href="https://www.purplemash.com/#app/isapps/graph">https://www.purplemash.com/#app/isapps/graph</a></p>
	What Happens During Exercise - (Publishing project - <b>2Publish</b> )	<a href="http://www.purplemash.com/#pup/hb_exercise_what_happens">http://www.purplemash.com/#pup/hb_exercise_what_happens</a>	
	Exercise Poster -(Publishing project - <b>2Publish</b> )	<a href="http://www.purplemash.com/#pup/hb_exercise_poster">http://www.purplemash.com/#pup/hb_exercise_poster</a>	
	Label the Basic Parts of The Digestive System in Humans – <b>2Diy</b>	<a href="http://www.purplemash.com/site#games/2diy/digestive_system">http://www.purplemash.com/site#games/2diy/digestive_system</a>	
	To Identify the Effect of Alcohol on The Human Body -(Publishing project - <b>2Publish</b> )	<a href="http://www.purplemash.com/site#pup/effects_of_alcohol">http://www.purplemash.com/site#pup/effects_of_alcohol</a>	
	Circulatory System – <b>2Quiz</b>	<a href="https://www.purplemash.com/#app/games/2diy/Circulatory_System">https://www.purplemash.com/#app/games/2diy/Circulatory_System</a>	

			<p><b>2Connect</b> - Create a mind map to plan an experiment to effects of exercise on the human body.</p>  <p><a href="https://www.purplemash.com/#app/tools/2Connect">https://www.purplemash.com/#app/tools/2Connect</a></p> <p><b>2Quiz</b> - The children create a quiz based upon their learning in the topic e.g. a quiz on healthy eating.</p>  <p><a href="https://www.purplemash.com/#app/diys/2quiz">https://www.purplemash.com/#app/diys/2quiz</a></p> <p><b>2Diy 3D</b> - Create a game where you player must collect the healthy foods and avoid the unhealthy food.</p>  <p><a href="https://www.purplemash.com/#app/games/2DIY3D">https://www.purplemash.com/#app/games/2DIY3D</a></p>
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# EVOLUTION AND INHERITANCE

National Curriculum Statement	Purple Mash Resource	Direct link to resource	Ideas, links to Planning & Resources	
<ul style="list-style-type: none"> <li>• <b>RECOGNISE THAT LIVING THINGS HAVE CHANGED OVER TIME AND THAT FOSSILS PROVIDE INFORMATION ABOUT LIVING THINGS THAT INHABITED THE EARTH MILLIONS OF YEARS AGO.</b></li> <li>• <b>RECOGNISE THAT LIVING THINGS PRODUCE OFFSPRING OF THE SAME KIND, BUT NORMALLY OFFSPRING VARY AND ARE NOT IDENTICAL TO THEIR PARENTS.</b></li> <li>• <b>IDENTIFY HOW ANIMALS AND PLANTS ARE ADAPTED TO SUIT THEIR ENVIRONMENT IN DIFFERENT WAYS AND THAT ADAPTATION MAY LEAD TO EVOLUTION.</b></li> </ul>	Fossil Fact File -(Publishing project - <b>2Publish</b> )	<a href="https://www.purplemash.com/#app/pup/fossils_factfile">https://www.purplemash.com/#app/pup/fossils_factfile</a>	Fossil Stages – <b>Printable</b>  <a href="https://www.purplemash.com/#app/lessonplans/info/printables_science_fossils">https://www.purplemash.com/#app/lessonplans/info/printables_science_fossils</a>	
	Fossil Leaflet -(Publishing project - <b>2Publish</b> )	<a href="https://www.purplemash.com/#app/leaflets/fossils_leaflet">https://www.purplemash.com/#app/leaflets/fossils_leaflet</a>		Famous Scientists – Fact files  <a href="https://www.purplemash.com/#tab/pm-home/science/famous_scientists">https://www.purplemash.com/#tab/pm-home/science/famous_scientists</a>
	The Stages of Fossilisation - (Publishing project - <b>2Publish</b> )	<a href="https://www.purplemash.com/#app/pup/The_stages_of_fossilisation">https://www.purplemash.com/#app/pup/The_stages_of_fossilisation</a>		
	Fossilisation - <b>2Quiz</b>	<a href="https://www.purplemash.com/#app/game/2diy/Fossilisation_order_Quiz">https://www.purplemash.com/#app/game/2diy/Fossilisation_order_Quiz</a>	<b>2Investigate</b> - Create a class dinosaur database. Fields could include <ul style="list-style-type: none"> <li>✓ Name</li> <li>✓ Period lived</li> <li>✓ Diet</li> <li>✓ Size</li> <li>✓ Weight</li> <li>✓ Fact</li> </ul>  <a href="https://www.purplemash.com/#app/tools/2inv">https://www.purplemash.com/#app/tools/2inv</a>	
	Dinosaurs Leaflet -(Publishing project - <b>2Publish</b> )	<a href="http://www.purplemash.com/#leaflets/dinosaurs">http://www.purplemash.com/#leaflets/dinosaurs</a>		
	All About Dinosaurs -(Publishing project - <b>2Publish</b> )	<a href="http://www.purplemash.com/#pup/dinosaurs_allabout">http://www.purplemash.com/#pup/dinosaurs_allabout</a>		
	Describing Dinosaurs-(Publishing project - <b>2Publish</b> )	<a href="http://www.purplemash.com/#pup/dinosaurs_describing">http://www.purplemash.com/#pup/dinosaurs_describing</a>		
	DNA Quiz – <b>2Diy</b>	<a href="https://www.purplemash.com/#app/games/2diy/dna_quiz">https://www.purplemash.com/#app/games/2diy/dna_quiz</a>		
	Adaption to A Temperate Climate-(Publishing project - <b>2Publish</b> )	<a href="http://www.purplemash.com/#pup/adaptation_temperate">http://www.purplemash.com/#pup/adaptation_temperate</a>		
Adaption to An Ocean Climate-(Publishing project - <b>2Publish</b> )	<a href="http://www.purplemash.com/#pup/adaptation_ocean">http://www.purplemash.com/#pup/adaptation_ocean</a>			


	Adaption to A Tundra Climate- (Publishing project - <b>2Publish</b> )	<a href="http://www.purplemash.com/#pup/adaptation_tundra">http://www.purplemash.com/#pup/adaptation_tundra</a>	<b>2Quiz</b> - Create a quiz about how animals are adapted to suit different environments.  <a href="https://www.purplemash.com/#app/diyjs/2quiz">https://www.purplemash.com/#app/diyjs/2quiz</a>
	Adaption to A Desert Climate- (Publishing project - <b>2Publish</b> )	<a href="http://www.purplemash.com/#pup/adaptation_desert">http://www.purplemash.com/#pup/adaptation_desert</a>	
	Adaption to A Tropical Climate- (Publishing project - <b>2Publish</b> )	<a href="http://www.purplemash.com/#postcards/tropical">http://www.purplemash.com/#postcards/tropical</a>	
	Adaption to A Polar Climate- (Publishing project - <b>2Publish</b> )	<a href="http://www.purplemash.com/#postcards/polar">http://www.purplemash.com/#postcards/polar</a>	
	Arctic Labelling -( <b>2Diy</b> )	<a href="http://www.purplemash.com/#games/2diy/Arctic_Labelling">http://www.purplemash.com/#games/2diy/Arctic_Labelling</a>	
	Polar Explorer Game – ( <b>2Diy</b> )	<a href="http://www.purplemash.com/#games/2diy/Polar_Pairs">http://www.purplemash.com/#games/2diy/Polar_Pairs</a>	

# LIGHT

National Curriculum Statement	Purple Mash Resource	Direct link to resource	Ideas, links to Planning & Resources
<ul style="list-style-type: none"> <li>• <b>RECOGNISE THAT LIGHT APPEARS TO TRAVEL IN STRAIGHT LINES.</b></li> <li>• <b>USE THE IDEA THAT LIGHT TRAVELS IN STRAIGHT LINES TO EXPLAIN THAT OBJECTS ARE SEEN BECAUSE THEY GIVE OUT OR REFLECT LIGHT INTO THE EYE.</b></li> <li>• <b>EXPLAIN THAT WE SEE THINGS BECAUSE LIGHT TRAVELS FROM LIGHT SOURCES TO OUR EYES OR FROM LIGHT SOURCES TO OBJECTS AND THEN TO OUR EYES.</b></li> <li>• <b>USE THE IDEA THAT LIGHT TRAVELS IN STRAIGHT LINES TO EXPLAIN WHY SHADOWS HAVE THE SAME SHAPE AS THE OBJECTS THAT CAST THEM.</b></li> </ul>	How Light Travels -(Publishing project - <b>2Publish</b> )	<a href="http://www.purplemash.com/site#pup/lighttravels">http://www.purplemash.com/site#pup/lighttravels</a>	Famous Scientists – Fact files <a href="https://www.purplemash.com/#tab/pm-home/science/famous_scientists">https://www.purplemash.com/#tab/pm-home/science/famous_scientists</a>
	Light and Mirrors -(Publishing project - <b>2Publish</b> )	<a href="http://www.purplemash.com/site#pup/lightandmirrors">http://www.purplemash.com/site#pup/lightandmirrors</a>	<b>2Graph</b> - children to record results from an investigation of shadow length. X axis = distance from light source. Y axis = length of shadow.
	Sources of Light - (Publishing project - <b>2Publish</b> )	<a href="https://www.purplemash.com/#app/pup/lightorreflector">https://www.purplemash.com/#app/pup/lightorreflector</a>	
	Reflective Surfaces -	<a href="https://www.purplemash.com/#app/pup/lightreflector">https://www.purplemash.com/#app/pup/lightreflector</a>	<b>2Design and Make</b> - Give the children the task of making a periscope. What will they need to consider when designing it? What will make it successful?
	Light Bulb Quiz – <b>2Diy</b>	<a href="https://www.purplemash.com/#app/games/2diy/Light_Bulb">https://www.purplemash.com/#app/games/2diy/Light_Bulb</a>	
	Shadows – <b>Printable</b>	<a href="https://www.purplemash.com/site#app/lessonplans/info/printables_science_shadows">https://www.purplemash.com/site#app/lessonplans/info/printables_science_shadows</a>	<b>2Animate</b> - Create an animation which helps to demonstrate how a shadows size can change according to the position of the light source on a given object.
	Sundial – <b>Printable</b>	<a href="https://www.purplemash.com/site#app/lessonplans/info/printables_science_sundial">https://www.purplemash.com/site#app/lessonplans/info/printables_science_sundial</a>	



## ELECTRICITY

National Curriculum Statement	Purple Mash Resource	Direct link to resource	Ideas, links to Planning & Resources
<ul style="list-style-type: none"> <li>• ASSOCIATE THE BRIGHTNESS OF A LAMP OR THE VOLUME OF A BUZZER WITH THE NUMBER AND VOLTAGE OF CELLS USED IN THE CIRCUIT</li> <li>• COMPARE AND GIVE REASONS FOR VARIATIONS IN HOW COMPONENTS FUNCTION, INCLUDING THE BRIGHTNESS OF BULBS, THE LOUDNESS OF BUZZERS AND THE ON/OFF POSITION OF SWITCHES</li> <li>• USE RECOGNISED SYMBOLS WHEN REPRESENTING A SIMPLE CIRCUIT IN A DIAGRAM.</li> </ul>	Match the Symbol to The Name	<a href="http://www.purplemash.com/site#games/2diy/Electrical_Symbols_Pairs">http://www.purplemash.com/site#games/2diy/Electrical_Symbols_Pairs</a>	<p><b>Mashcam</b> – Ask the children to use the Electrical Engineer Mashcam explain how the brightness of a lamp is affected by the number of cells and components in a circuit.</p> <p><a href="https://www.purplemash.com/site#app/mashcam/Electrical_engineer_cam">https://www.purplemash.com/site#app/mashcam/Electrical_engineer_cam</a></p> <p>Famous Scientists – Fact files. Focus on Thomas Edison.</p> <p><a href="https://www.purplemash.com/#tab/pm-home/science/famous_scientists">https://www.purplemash.com/#tab/pm-home/science/famous_scientists</a></p> <p><b>2Connect</b> – Use 2Connect to share ideas on how to create a buzz wire game or working SOS device. </p> <p><a href="https://www.purplemash.com/site#app/tools/2Connect">https://www.purplemash.com/site#app/tools/2Connect</a></p>
	Electrical Components in A Circuit -	<a href="https://www.purplemash.com/site#app/pup/Electrical_Components_and_Symbols">https://www.purplemash.com/site#app/pup/Electrical_Components_and_Symbols</a>	
	Circuits Practical Enquiry – <b>Printable</b>	<a href="https://www.purplemash.com/site#app/lessonplans/info/printables_science_circuits_practical_enquiry">https://www.purplemash.com/site#app/lessonplans/info/printables_science_circuits_practical_enquiry</a>	
	Ordering the Brightness of a Bulb	<a href="https://www.purplemash.com/site#app/tools/2pubExtra/Ordering_the_brightness_of_the_bulb">https://www.purplemash.com/site#app/tools/2pubExtra/Ordering_the_brightness_of_the_bulb</a>	
	How A Bulb Works in A Circuit	<a href="https://www.purplemash.com/site#app/pup/How_a_bulb_lights_up">https://www.purplemash.com/site#app/pup/How_a_bulb_lights_up</a>	
	Draw Circuits In 2Publish Extra -	<a href="http://www.purplemash.com/#tools/2pubExtra">http://www.purplemash.com/#tools/2pubExtra</a>	
	Electrical Safety - (Publishing project - <b>2Publish</b> ) *Non-Statutory suggested NC Objective.	<a href="https://www.purplemash.com/site#app/leaflets/Electrical_Safety">https://www.purplemash.com/site#app/leaflets/Electrical_Safety</a>	