



Autumn		Spring	Summer
	Working Scientifica	ally skills taught through the exploration of the	following content:
Big Adventure Science NC Coverage: Animals including Humans Focus on Humans Identify, name, draw and label the basic parts of the human body and say which part of the body is associated with each sense.	Comics Can Challenge: Publish a comic book celebrating heroes and villains from different times and places Science NC Coverage: Everyday Materials Distinguish between an object and the material from which it is made Identify and name a variety of everyday materials Describe the simple physical properties of a variety of everyday materials Compare and group together a variety of everyday materials Compare and group together a variety of everyday materials con the basis of their simple physical properties.	How can we produce a soundtrack for a traditional tale? Science NC Coverage: Plants Identify and name a variety of common wild and garden plants, including deciduous and evergreen trees Identify and describe the basic structure of a variety of common flowering plants, including trees.	Buckets and Spades Plan and design a gallery that brings the seaside to the city Science NC Coverage: Animals including Humans Focus on Animals Identify and name a variety of common animals Identify and name a variety of common animals that are carnivores, herbivores and omnivores Describe and compare the structure of a variety of common Seasonal changes Observe changes across the four seasons Observe and describe weather associated with the seasons and how day length varies.





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2		e following content:	
	Big Adventure NC Coverage: Living things and their Habitats Explore and compare the differences between things that are living, dead, and have never been alive identify habitats to which animals are suited and how different habitats provide for the basic needs, and how they depend on each other Identify and name a variety of animals in their habitats, including micro-habitats Describe how animals obtain their food using the idea of a simple food chain, identify different sources of food. NC Coverage: Animals including Humans notice that animals, including humans, have offspring which grow into adults needs of animals, including humans, for survival (water, food and air) describe the importance for humans of exercise eating the right amounts of different types of food, and hygiene.	 Identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses Find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching. 	The Really Rural Show How can we recreate the countryside in our city environment? NC Coverage: Plants • observe and describe how seeds and bulbs grow into mature plants • find out and describe how plants need water, light and a suitable temperature to grow and stay healthy. • identify and name a variety of plants









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Big adventure	Bolts n' Bones	Time Traveller	Crazy Contraptions Can we design and make a product which solves a
NC Coverage	How can we design a fitness program?	How can you produce a short movie on the history of the world?	problem?
Animals including			NC Coverage:
Humans	NC Coverage	NC Coverage:	Sound
	Animals including	Living things and their Habitats	• identify how sounds are made, associating
Focus on Animals	<u>Humans</u>		some of them with something vibrating
	- II	recognise that living things can be	 recognise that vibrations from sounds trave
Construct and	Focus on Humans	grouped in a variety of ways	through a medium to the ear
interpret a variety of food chains,	 describe the simple functions 	explore and use classification keys	• find patterns between the pitch of a sound
identifying	of the basic parts	to help group, identify and name a variety of living things in their local	and features of the object that produced it
producers,	of the digestive	and wider environment	find patterns between the volume of a sour and the strength of the vibrations that
predators and	system in humans	 recognise that environments can 	and the strength of the vibrations that produced it
prey.	 identify the 	change and that this can sometimes	 recognise that sounds get fainter as the
	different types of	pose dangers to living things.	distance from the sound source increases.
	teeth in humans		Electricity
	and their simple		 identify common appliances that run on
	functions		electricity
			• construct a simple series electrical circuit,
			identifying and naming its basic parts,
			including cells, wires, bulbs, switches and
			buzzers
			 identify whether or not a lamp will light in a simple series circuit, based on whether or r
			the lamp is part of a complete loop with a
			battery
			 recognise that a switch opens and closes a
			circuit and associate this with whether or n
			a lamp lights in a simple series circuit
			 recognise some common conductors and
			insulators, and associate metals with being
			good conductors.



a greater effect.



Big adventure Space – Infinity Design an iPhone App all about space NC Coverage: Living things and their Habitats • describe the differences in the life cycles of a mammal, an amphibian, an insect and a bird • use the idea of the Earth's NC Covering Space – Infinity Design an iPhone App all about space NC Coverage: Living things and their Habitats NC Coverage: NC Coverage: Earth and Space • describe the movement of the Earth, and other planets, relative to the Sun in the solar system • describe the movement of the Moon relative to the Earth • describe the Sun, Earth and Moon as approximately spherical bodies • use the idea of the Earth's NC Coverage: How can we celebrate our diverse community? NC Coverage; Animals including Humans • compare and ground materials on the beside of the changes as humans develop to old age. • vear 6 NC Content: • identify and name the main parts of the human circulatory system, and describe the functions of the heart, blood vessels and blood • recognise the impact of diet,	Summer
Big adventure Space – Infinity Design an iPhone App all about space NC Coverage: Living things and their Habitats • describe the differences in the life cycles of a mammal, an amphibian, an insect and a bird Space – Infinity Design an iPhone App all about space NC Coverage: Earth and Space • describe the movement of the Earth's NC Coverage; Animals including Humans NC Coverage; Animals including Humans Space – NC Coverage; Animals including Humans NC Coverage; Animals including Humans • compare and ground materials on the beard of the Earth of the Moon relative to the Earth of the Moon relative to the Earth of the Moon as approximately spherical bodies • use the idea of the Earth's NC Coverage; Animals including Humans Focus on Humans • describe the changes as humans develop to old age. Year 6 NC Content: • identify and name the main parts of the heart, blood vessels and blood • recognise the impact of diet, From Moon as approximately spherical bodies • compare and ground materials on the beard of the burnans • know that some of to decide how mix of the human circulatory system, and describe the functions of the heart, blood vessels and blood • recognise the impact of diet,	,
Design an iPhone App all about space NC Coverage: Living things and their Habitats • describe the differences in the life cycles of a mammal, an amphibian, an insect and a bird Design an iPhone App all about space NC Coverage: Earth and Space • describe the movement of the Earth, and other planets, relative to the Sun in the solar system describe the movement of the Moon relative to the Earth to describe the movement of the Moon relative to the Earth describe the Sun, Earth and Moon as approximately spherical bodies use the idea of the Earth's Design an iPhone App all about space NC Coverage; Animals including Humans Accommunity? NC Coverage; Animals including How can we celebrate our diverse community? NC Coverage; Animals including How can we celebrate our diverse community? NC Coverage; Animals including How can we celebrate our diverse community? NC Coverage; Animals including How can we celebrate our diverse community? NC Coverage: NC Coverage: NC Coverage; Animals including Humans • describe the changes as humans develop to old age. Year 6 NC Content: identify and name the main parts of the heart, blood vessels and blood size for a community? In the life coverage: And their In the life coverage:	•
life process of night and the apparent movement of the sun across the sky. Forces (linked to Space) Plants and animals. In some plants and animals. Porces (linked to Space) Explain gravity acting between the Earth and the falling object In identify the effects of air In some way their bodies function describe the ways in which nutrients and water are transported within animals, including humans. NC (States of Main and water are transported within animals, including humans. In some plants and high and the apparent movement of the sun across the sky. States of Main and water are transported within animals, including humans. In some plants and in some plants and animals and water are transported within animals, including humans. In some plants and the sky. In some plants and in some plants and the sky. In some plants and the sun across the sky. In some plants and in some plants and water are transported within animals, including humans. In some plants and the sky. In some p	NC Coverage: and Changes of Materials group together everyday he basis of their properties he materials will dissolve in a solution, and describe how hibstance from a solution e of solids, liquids and gases mixtures might be separated based on evidence from and fair tests, for the particular





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6		Working Scientifica	lly skills taught through the exploration of the fol	lowing content:
	Big adventure	Ballot Street	Goblins and Ghouls	The Final Countdown
	Big adventure NC Coverage: Electricity associate the brightness of a lamp or the volume of a buzzer with the number and voltage of cells used in the circuit 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 use recognised symbols when representing a simple circuit in a diagram.	and animals give reasons for classifying plants and animals based on specific characteristics.	итетт.	read to evolution.