

Year 6 Topic 3 Overview

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
Science Electricity	To recognise and use scientific circuit symbols	To understand and explain the effects of differing voltages in a circuit	To compare how components function in an electrical circuit	To understand the work of a scientist	To apply their electrical knowledge	To demonstrate their electrical knowledge
Vertical links	To construct a simple series electrical circuit, identifying and naming its basic parts		To identify whether or not a lamp will light in a simple series circuit		To recognise that a switch opens and closes a circuit	
Horizontal links	To use a key (symbols)			To explore the work of an artist	To apply their skills	
History						
Vertical links						
Horizontal links						
Geography Climate zones, biomes, vegetation belts	To know what a biome is	To know key features of tundra and desert biomes	To know key features of rainforest and savannah biomes	To know key features of woodland and grassland biomes	To understand vegetation belts and how they relate to biomes	To be able to locate and know some features of biomes
Vertical links	To describe and understand key aspects of physical geography	To locate human and physical features	To locate human and physical features	To locate human and physical features	To locate the world's countries	To locate human and physical features
Horizontal links		To describe how different habitats provide for the basic needs of different kinds of animals and plants	To describe how different habitats provide for the basic needs of different kinds of animals and plants	To describe how different habitats provide for the basic needs of different kinds of animals and plants		

Art and Design Sculpture	To evaluate existing art	To learn how to manipulate materials	To learn how to carve materials	To use manipulation techniques to recreate a sculpture	To explore ideas for a sculpture	To apply learned skills
Vertical links	To evaluate the work of an artist	To shape, form, model and join using a chosen material	To carve using playdough	To recreate an artist's work	To explore ideas for a painting	
Horizontal links	To evaluate a product	To use joining techniques				
Design Technology Electrical Circuits	To research different fairground rides	To use research and develop design criteria to inform the design of a fairground ride that is fit for purpose	To create a fairground ride that is functional and appealing	To develop a fairground ride that is functional and appealing	To evaluate our fairground ride based on existing products and design criteria	To create a fairground ride based on previous evaluation
Vertical links	To use research and develop design criteria to inform the design of moving toys	To use research and develop design criteria to inform the design of moving toys	To create a moving toy with a cam mechanism	To create a moving toy with a cam mechanism	To evaluate their ideas and products	To apply skills
Horizontal links	To research how to stay safe at a fairground				To evaluate existing art	
Religious Education Hinduism – how Hindus respond to global issues	To understand what Karma is	To understand the principle of Ahimsa	To understand and discuss what Hindus believe about animals	To contribute to class discussions	To express my opinion in a respectful way	To understand why Hindus respond to global issues
Vertical links	To know what Hindus believe about life after death	To know what Hindus believe about the purpose of life	To know what the sacred teach Hindus about God, human life and the world		To know why and how Hindus are influenced in the way they live by the example of others, particularly other Hindus	To know how Hindus mark or celebrate important times in the year and in life
Horizontal link	To understand how our actions can affect others		To identify that most living things live in habitats to which they are suited	To discuss issues and opinions	To express an opinion	

Computing						
Vertical links						
Horizontal links						
Physical Education Outdoor Fitness Handball	To perform activities to improve muscular endurance without stopping To continue to develop shooting and introducing defending skills	To choose the correct pace for each activity To continue to develop blocking and developing the small-sided game	To perform a variety of cardio-vascular activities without stopping To develop principles of attack and defence and introduce full size game	To be able to define the terms agility, balance and coordination and help design an activity to improve each area of fitness To develop full size game	To give clear and safe instructions to another team to teach them your obstacle Course To introduce goal keeping	To define the terms speed, reaction time and power To practise a full-size, competitive game
Vertical links	To perform activities without stopping to improve muscular endurance To develop shooting	To develop blocking	To describe where core muscles are in your body To develop attacking and defending	To use core muscles to help with balance and strength Introduce a full-sized game		
Horizontal links						
PSHE Dreams and Goals	To understand why it is important to stretch the boundaries of their current learning	To work out the learning steps they need to take to reach their goal and understand how to motivate themselves to work on these	To identify problems in the world that concern them and talk to other people about them	To work with other people to help make the world a better place	To describe some ways in which they can work with other people to help make the world a better place	To know what some people in their class like or admire about them and to accept their praise
Vertical links		To know how to set goals for the year ahead	To know a variety of problems that the world is facing	To know how some of the actions and work of people around the world help and influence their life	To know how some of the actions and work of people around the world help and influence their life	To accept and respect themselves for who they are
Horizontal links		To set a goal	To study human geography	To study human geography		



Music A New Year Carol	To listen and appraise "A New Year Carol"	To learn and sing verse one and chorus of "A New Year Carol"	To learn and sing verse two and chorus of the song	To learn verse three of the song	To sing the whole song in small groups	To perform the song
Vertical links	To know how to express ideas using musical terminology			To know the chorus		To rehearse and perform the song according to individual strengths
Horizontal links						
MFL Playing and Enjoying Sport	To understand sport nouns	To give an opinion on sports liked and disliked	To create extended sentences about sports	To identify parts of the verb "spielen"	To describe a sport using simple sentences	To demonstrate understanding of topic
Vertical links	To know cognates, semi cognates and non-cognates	To know "Ich mag, Ich mag...nicht and mein lieblingssport ist..."			To know how to utilise the German dictionaries	
Horizontal links						