

Cross curricular topics

Year 4 2016-17

Autumn Term

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| Science | <p style="text-align: center;">Humans</p> <ul style="list-style-type: none"> describe the simple functions of the basic parts of the digestive system in humans identify the different types of teeth in humans and their simple functions | <p style="text-align: center;">Electricity</p> <ul style="list-style-type: none"> identify common appliances that run on 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 not 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 not a lamp lights in a simple series circuit recognise some common conductors and insulators, and associate metals with being good conductors |
| Geography / History | <p style="text-align: center;">History- Roman Empire</p> <ul style="list-style-type: none"> the Roman Empire and its impact on Britain <p>This could include:</p> <ul style="list-style-type: none"> Julius Caesar's attempted invasion in 55-54 BC the Roman Empire by AD 42 and the power of its army successful invasion by Claudius and conquest, including Hadrian's Wall British resistance, for example, Boudicca 'Romanisation' of Britain: sites such as Caerwent and the impact of technology, culture and beliefs, including early Christianity | <p style="text-align: center;">Geography - Scotland</p> <ul style="list-style-type: none"> locate the world's countries, using maps to focus on Europe (including the location of Russia) and North and South America, concentrating on their environmental regions, key physical and human characteristics, countries, and major cities name and locate counties and cities of the United Kingdom, geographical regions and their identifying human and physical characteristics, key topographical features (including hills, mountains, coasts and rivers), and land-use patterns; and understand how some of these aspects have changed over time describe and understand key aspects of Human Geography and Physical Geography use maps, atlases and globes to locate countries and describe features studied use fieldwork to observe, measure record and present the human and physical features in the local area using a range of methods |
| DT/ ART | <p style="text-align: center;">DT - Healthy cooking</p> <p style="text-align: center;">Pizza</p> <p style="text-align: center;">Design, make, evaluate and Technical knowledge</p> | <p style="text-align: center;">Art - Stained Glass windows</p> <p style="text-align: center;">Materials</p> |
| WOW! Inc visits | <p style="text-align: center;"><i>Pizza express?</i></p> | <p style="text-align: center;"><i>Glass making?</i></p> |

Spring

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| <p>Science</p> | <p>States of matter</p> <ul style="list-style-type: none"> compare and group materials together, according to whether they are solids, liquids or gases 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) identify the part played by evaporation and condensation in the water cycle and associate the rate of evaporation with temperature | <p>Sound</p> <ul style="list-style-type: none"> identify how sounds are made, associating some of them with something vibrating recognise that vibrations from sounds travel through a medium to the ear find patterns between the pitch of a sound and features of the object that produced it find patterns between the volume of a sound and the strength of the vibrations that produced it recognise that sounds get fainter as the distance from the sound source increases |
| <p>Geography / History</p> | <p>History - Anglo Saxons and Scots (Boudicca)</p> <ul style="list-style-type: none"> Britain's settlement by Anglo-Saxons and Scots <p>This could include:</p> <ul style="list-style-type: none"> Roman withdrawal from Britain in c. AD 410 and the fall of the western Roman Empire Scots invasions from Ireland to north Britain (now Scotland) Anglo-Saxon invasions, settlements and kingdoms: place names and village life Anglo-Saxon art and culture Christian conversion - Canterbury, Iona and Lindisfarne | <p>Geography - Iceland</p> <ul style="list-style-type: none"> locate the world's countries, using maps to focus on Europe (including the location of Russia) and North and South America, concentrating on their environmental regions, key physical and human characteristics, countries, and major cities Understand geographical similarities and differences through the study of human and physical geography of a region of the United Kingdom, a region in a European country. describe and understand key aspects of Human Geography and Physical Geography use maps, atlases and globes to locate countries and describe features studied |
| <p>DT/ ART</p> | <p>DT-Vehicles Design, make, evaluate and Technical knowledge</p> | <p>Art- Sound representations Paint</p> |
| <p>WOW! Inc visits</p> | <p>LDV?</p> | <p>Symphony Hall?</p> |

Summer

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| Science | <p>Animals</p> <ul style="list-style-type: none"> construct and interpret a variety of food chains, identifying producers, predators and prey | <p>Living things and their habitats</p> <ul style="list-style-type: none"> recognise that living things can be grouped in a variety of ways explore and use classification keys to help group, identify and name a variety of living things in their local and wider environment recognise that environments can change and that this can sometimes pose dangers to living things |
| Geography / History | <p style="text-align: center;">History - Vikings</p> <ul style="list-style-type: none"> the Viking and Anglo-Saxon struggle for the Kingdom of England to the time of Edward the Confessor <p>This could include:</p> <ul style="list-style-type: none"> Viking raids and invasion resistance by Alfred the Great and Athelstan, first king of England further Viking invasions and Danegeld Anglo-Saxon laws and justice Edward the Confessor and his death in 1066 | <p>Geography - North America</p> <ul style="list-style-type: none"> locate the world's countries, using maps to focus on Europe (including the location of Russia) and North and South America, concentrating on their environmental regions, key physical and human characteristics, countries, and major cities understand geographical similarities and differences through the study of human and physical geography of a region of the United Kingdom and a region in North or South America describe and understand key aspects of Human Geography and Physical Geography use maps, atlases and globes to locate countries and describe features studied |
| DT/ ART | <p>Art- Movement</p> <ul style="list-style-type: none"> Model clay and filming | <p>DT- Life cycle of a plant</p> <ul style="list-style-type: none"> Design, make, evaluate and Technical knowledge <ul style="list-style-type: none"> Levers and sliders |
| WOW! Inc visits | <i>BMaG -Anglo-Saxon and Viking hoard?</i> | Birmingham Nature Centre? |