

Crawley Ridge Junior School Curriculum, Knowledge and Vocabulary Overview

Year 4 Autumn Term: One World	Curriculum Themes	Key Knowledge	Key Vocabulary
English <i>(Breakdown of knowledge and skills outlined in a separate document)</i>	Key text studies: Where the Wild Things Are by Maurice Sendak The Iron Man by Ted Hughes The Lion and the Unicorn by Shirley Hughes The Firework Makers Daughter by Philip Pullman Writing Styles: Diary writing Letters Descriptive writing Adventure story Historical report Writing in role		
Mathematics <i>(Breakdown of knowledge and skills found through White Rose website)</i>	Place Value Addition and Subtraction Length and Perimeter Multiplication and Division		
Science	Electricity Sound	Electricity: <ul style="list-style-type: none"> To name appliances that require electricity to function: washing machine, dishwasher, toaster) To name the components in a series circuit (including cells, wires, bulbs, switches and buzzers) To know the function of a switch in a circuit is to break the circuit. 	Electricity Generate Renewable Non-renewable Appliances Battery Circuit Vibration

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		<ul style="list-style-type: none"> To know an electrical conductor allows electricity to flow through and an electrical insulator does not allow electricity to flow through it. Sound: <ul style="list-style-type: none"> To know a sound is made by hitting, plucking, tapping or striking To know that sound is a vibration. To know a sound travels from a source to our ears. 	Sound wave Volume Pitch Ear Distance Vacuum Ear drum
Art and Design	Sketching- linked to Camberley Watercolour	Autumn Sketching: <ul style="list-style-type: none"> To know the meaning of position and proportion. Watercolour: <ul style="list-style-type: none"> To know how to create variation in colour and tone. To know which brush to select for finer details and for larger painted areas. Clays: <ul style="list-style-type: none"> To know that Kenyan colours reflect those of the landscape and natural world. To know how to create slip from water and clay. To know how to join clay using hatching and slip. To know that I can use tools to develop texture. To know that a glaze needs three coats. 	Position Proportion Colour Tone Hatching Slip Texture Glaze
Design and Technology	Structures- Safari buggies Electrical systems- Making torches	Structures: <ul style="list-style-type: none"> To know a shell structure can be strengthened by accurate joining, selecting suitable glue and reinforcing corners. To know a net is a 2D shape, that can become 3D once assembled. To know a structure is something that has been made and put together and usually stand on its own. Electrical Systems: <ul style="list-style-type: none"> To know how simple electrical items work To know how simple electrical circuits and components can be used to create functional products 	Structure Strength Stiff shell Circuit Component Conductor Insulator Battery Electricity

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		<ul style="list-style-type: none"> To know what electrical conductors and insulators are To know that a battery contains stored electricity and can be used to power products To know a torch needs a housing, reflector and switch. 	
Computing	Online Safety- Don't fall for fake Networks Audio editing	Don't Fall for Fake: <ul style="list-style-type: none"> To identify 2 signs of a scam: look at the URL for 'https', the badge symbol or if it is a pop up To know they need to tell a trusted adult if they feel they are suspicious about an email, text or online communication Computer networks (How the internet works): <ul style="list-style-type: none"> To know the World Wide Web is part of the internet To share three benefits of the World Wide Web To know that not everything on the World Wide Web is honest, accurate or legal. Audio Editing <ul style="list-style-type: none"> To know that a sound can be digitally recorded. To know that I can edit my audio recording by changing the volume, fading sound in and out. To know that an audio recording is to be responsibly and respectfully. 	<i>Scam</i> <i>Internet</i> <i>World wide web</i> <i>Honesty</i> <i>Accuracy</i> <i>Legal</i> <i>Audio</i> <i>Editing</i> <i>Digitally</i> <i>Recording</i> <i>Fade</i> <i>Volume</i>
Geography	One World Topic	One World: <ul style="list-style-type: none"> To name and locate at least 3 major capital cities across the world: London, Paris and Nairobi To know where the equator, Tropic of Cancer, Tropic of Capricorn and the Greenwich meridian are on a world map. To know the features of villages, towns and cities 	Capital City London Paris Nairobi Equator Tropic of Cancer Tropic of Capricorn Greenwich Meridian Town Village City
History	One World Topic	One World:	Camberley Change

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		<ul style="list-style-type: none"> To know that Camberley has changed over time because of the Royal Military Academy 	Royal Military Academy Development Town
Languages	All Around Town On the Move	All around town: <ul style="list-style-type: none"> To name some of the major cities of France: Paris, Marseilles, Bordeaux To say typical amenities to be found in French towns: church, supermarket, train station, cinema Know how to say and order multiples of ten On the move: <ul style="list-style-type: none"> To name some types of transport: car, bus, bicycle To know the language needed to give directions: left, right, straight 	Paris Marseilles Bordeaux Ville Eglise Supermarche Gare Cinema Auto Autobus Bicyclette La gauche Droite Tout droit
Music	Glockenspiel Djembe drumming	Glockenspiels (Ten Pieces Party): <ul style="list-style-type: none"> To know that musical phrases are represented in bars. To know that an ostinato is a repeating musical phrase. Djembe drum: <ul style="list-style-type: none"> To know that a djembe drum is used in daily life and for religious festivals in West African cultures To know how to hold a djembe drum correctly To know there are three ways to make a sound on a djembe drum- bass, tone and slap 	Musical phrase Bars Ostinato Dejembe drum Culture Bass Tone Slap
Physical Education	Swimming Skills for Invasion and Team games	Swimming <ul style="list-style-type: none"> To know how to perform a safe self-rescue in water To know different types of strokes: front crawl, back stroke and breast stroke Invasion Games and Team Games <ul style="list-style-type: none"> To understand what is involved in being part of a team game To know what it means to intercept a ball 	Rescue Front crawl Back stroke Breast stroke Team Intercept Attacker

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		<ul style="list-style-type: none"> To know the role of an attacker and a defender in a game To know the reasons for warming up and cooling down 	Defender Warm-up Cool- down
Religious Education	Comparative unit- How can we live together in one world? Christianity- Is Christian worship the same around the world? Christianity- How can artists help us to understand Christmas?	How can we live together in one world?: <ul style="list-style-type: none"> To know that the world is full of different communities and our actions affect others To know that many religious and belief systems believe that it is important to share and give to those in need To know that seeking to understand a situation from another point of view helps make better global citizens How can artists help us to understand Christmas?: <ul style="list-style-type: none"> To know about the use of symbolism in paintings to express Christian belief To know why artists have depicted events surrounding the birth of Jesus To know that Christians celebrate the concept of 'incarnation' Is Christian worship the same all around the world?: <ul style="list-style-type: none"> To know that Christianity is a worldwide religion and has a set of core beliefs. To know that Christians worship through art, music rituals and festivals To know that the cross is an important symbol for all Christians To know that in some countries, Christians are forbidden to gather for public worship 	Community Belief Global citizen Symbolism Celebrate Incarnation Worship
PSHE	Me and My Relationships Valuing Difference	Me and My Relationships: <ul style="list-style-type: none"> To know that we can tell how someone is feeling by looking at their face and body language To know that trust, respect, kindness and fairness make a good relationship To know that we have different types of relationships with different people To know that bullying can take different forms: verbal, physical, emotional and cyber 	Body language Expression Trust Respect Kindness Fairness Relationship Bullying Community

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		Valuing Difference: <ul style="list-style-type: none"> • To know that we all belong to different communities: school, faith and clubs • To know that we are all unique as we have different ideas and opinions • To know that everyone is different; people have different backgrounds, faiths, genders and sexual orientations • To know that you should talk to an adult you trust if you are being bullied or worried about someone else being bullied. 	Unique Faith Gender Sexual orientation
Enrichment Trip to Camberley			