Upper KS2 – Year 5 & 6

Year A – TOPICS/THEMES FOR LEARNING and SUBJECT CONTENT

	AUTUMN	SPRING	SUMMER
	LOCAL STUDY – HISTORY OF TOPSHAM	**MOUNTAINS**	**ANGLO SAXONS, SCOTS & VIKINGS**
English Y5	**Narrative** – THE SHADOW CAGE **Persuasive writing** – CAR BROCHURES	**Narrative** –SNOW LEOPARD **Persuasive writing** – SAVE THE SNOW LEOPARD! **Poetry** - I AM CAT	**Narrative** – BEOWULF **Play Scripts** - ALICE IN WONDERLAND **Poetry** – CLOUDBUSTING
English Y6	**Narrative** – THE SHADOW CAGE **Information writing** – RIPLEY'S MIGHTY MACHINES	**Narrative** –SNOW LEOPARD **Persuasive writing** – SAVE THE SNOW LEOPARD! **Poetry** - I AM CAT	**Narrative** – BEOWULF **Play Scripts** - ALICE IN WONDERLAND **Poetry** – CLOUDBUSTING
Mathematics Y5	**Number sense:** *represent and explain the multiplicative nature of the number system, understanding how to multiply and divide by 10, 100 and 1000; make appropriate decisions about when to use counting, place value and rounding for solving problems including adding and subtracting* **Additive reasoning:** *solve addition and subtraction problems in different contexts, appropriately choosing and using number facts, understanding of place value and mental and written methods; explain decision making and justify solutions* **Multiplicative reasoning:** *solve problems involving multiplication and division in different contexts, appropriately choosing and using number facts, understanding of place value and mental and written methods; explain decision making and justify solutions* **Geometric reasoning:** *explain angle as a measure of turn, draw and measure angles and use understanding of angle to describe the properties of different shapes* **Number sense:** *make appropriate decisions*	**Additive reasoning:** *solve addition and subtraction problems in different contexts, appropriately choosing and using number facts, understanding of place value and mental and written methods; explain decision making and justify solutions* **Number sense:** *explain the relationship between decimals, fractions and percentages; use this understanding to solve problems* **Multiplicative reasoning:** *explain and show properties of prime, composite, square and cube numbers and explain factor pairs related to these sets of numbers; understand and explain the relationship between multiplication, division, fractions and percentages; derive facts and solve problems* **Geometric reasoning:** *explain how to reflect and translate shapes on a grid in the first quadrant and use this knowledge and understanding to solve problems*	**Number sense:** *use understanding of the multiplicative nature of the number system to convert between different units of measures, using how to multiply and divide by 10, 100 and 1000; make appropriate decisions about when to use understanding of counting (including in fractions), place value and rounding for solving problems including adding and subtracting* **Additive reasoning:** *solve addition and subtraction problems (including with fractions) in different contexts, appropriately choosing and using number facts, understanding of place value and mental and written methods; explain decision making and justify solutions* **Number sense:** *represent and explain the relationship between decimals, fractions and percentages and how decimals and fractions fit into the number system; solve problems* **Multiplicative reasoning:** *solve problems involving multiplication and division in different contexts, appropriately choosing and using number facts, understanding of place value and mental and written methods; explain decision making and justify solutions;*

	about when to use counting (including counting below zero), place value and rounding for solving problems including adding and subtracting; explain the representation of three-digit positive numbers as Roman numerals		*explain and represent the connection between fractions and division* **Geometric reasoning:** *explain how to find the perimeter and area of different shapes, using this knowledge and understanding to solve problems*
Mathematics Y6	**Number sense:** *represent and explain the multiplicative nature of the number system, understanding how to multiply and divide by 10, 100 and 1000 make appropriate decisions about when to use counting, place value and rounding for solving problems including adding and subtracting* **Additive reasoning:** *solve addition and subtraction problems in different contexts, appropriately choosing and using number facts, understanding of place value and mental and written methods; explain decision making and justify solutions and levels of accuracy* **Multiplicative reasoning:** *solve problems involving multiplication and division and fractions and percentages in different contexts, appropriately choosing and using number facts, understanding of place value and mental and written methods; explain decision making and justify solutions* **Geometric reasoning:** *use understanding of angle and properties of shapes to solve problems* **Number sense:** *make appropriate decisions about when to use their understanding of counting(including counting below zero), place value and rounding for solving problems including adding and subtracting*	**Additive reasoning:** *solve addition and subtraction problems in different contexts, appropriately choosing and using number facts, understanding of place value and mental and written methods explain decision making and justify solution and level of accuracy* **Number sense:** *represent and explain the relationship between decimals, fractions and percentages and equivalences within fractions; use this understanding to solve problems* **Multiplicative reasoning:** *explain the relationship between multiplication, division, ratio and proportion; use this understanding to derive facts and solve problems* **Geometric reasoning:** explain how to reflect and translate shapes on a grid with four quadrants and use this knowledge and understanding to solve problems; explain how to find the volume of cubes and cuboids and use this understanding to solve problems	**Number sense:** *use their understanding of the multiplicative nature of the number system to convert between different units of measures, knowing when it is appropriate to use their understanding of how to multiply and divide by 10, 100 and 1000; make appropriate decisions about when to use counting, place value and rounding for solving problems including adding and subtracting* **Additive reasoning:** *solve calculation problems in different contexts, appropriately choosing and using operations, number facts, understanding of place value and mental and written methods; explain decision making and justify solutions and levels of accuracy* **Number sense:** *represent and explain the relationship between decimals, fractions and percentages and how decimals and fractions fit into the number system; use this understanding to solve problems* **Multiplicative reasoning:** *solve calculation problems in different contexts, including those involving ratio and proportion, appropriately choosing and using operations, number facts, understanding of place value and mental and written methods; explain decision making and justify solutions and level of accuracy* **Geometric reasoning:** *use their understanding of properties of shapes, area and volume to solve problems and make generalisations*
Science	Light Electricity	Properties and changes of materials	Forces
Art and design	WW1:Trench images Record observations in sketch books Drawing and painting	Oil pastel: Art from around the world	Alice in wonderland inspired gardens- Local artist: Moose Allian Paint, Ink, Sketch
Computing Y5	Strong passwords Desktop Publishing Data-logging (Science) Digital Citizenship Pledge Presenting Information	You've Won a Prize! Evaluating Apps and App Development How to Cite a Site Espresso Coding 5A	Picture Perfect Espresso Coding 5B Scratch Database Design Review of Y5 Digital Literacy

Computing Y6	Talking Safely Online Espresso Coding 6A & 6B Super Digital Citizen Scratch	Privacy Rules Spreadsheets What's Cyber-bullying? Digital Music Creation	Selling Stereotypes Advanced Coding Website Design Review of Y6 Digital Literacy
Design Technology	Design –annotated sketches, cross-sectional and exploded diagrams, prototypes Make – select from a wider range of tools and materials (cutting, shaping, joining) Evaluate – analyse products Technical knowledge – use electrical systems		Medieval Catapults: Design –annotated sketches, prototypes Make – select from a wider range of tools and materials (cutting, shaping, joining) Evaluate – analyse products Technical knowledge – mechanical systems
Geography	Locational knowledge – cities and countries of the United Kingdom, changes over time Human and physical – settlements, land use, economic activity and natural resources	Geographical skills – observe, measure and record using sketch maps, graphs, digital mapping Human and physical – climate, biomes, vegetation belts, rivers, mountains, earthquakes	
History	Local history study WW1 anniversary		Britain's settlement by Anglo-Saxons and Scots Education: A right or a privilege? Education throughout history and across the world today
Languages: French	Personal information, days, months and dates, birthdays, numbers, Christmas	Where I live, weather, alphabet	Sport, food and drink
Music	Play and perform in solo and ensembles, play musical instruments with fluency and expression Appreciate a range of music from different traditions and composers	Improvise and compose Listening – aural memory Staff and musical notations Appreciate a range of music from different traditions and composers	
Physical Education	Net and Wall games (tennis), invasion games (handball), gymnastics,	Invasion games, gymnastics, dance,	Athletics, striking and fielding games (cricket), swimming
Religious Education	**Faith and the arts** *Christianity, Buddhism, Sikhism*	**Beliefs in action in the world** How do we make moral choices? *Christianity, Buddhism, Sikhism*	**It matters to me, it matters to others!** *Christianity, Buddhism, Sikhism*
Citizenship and PSHE Y5	**New beginnings** Safety education *(safety inside and outside, What do I have to keep safe from? How can I be responsible using my judgements?)* Child protection *(taking responsibility for my own safety, safe use of the internet and mobile phones, Who are the people I trust? When is it best to tell secrets?)* **Say no to bullying** *(How do rules and laws affect me?)* **Getting on and falling out**	**Going for goals** Drugs education *(What happens when I take pills and medicines that are prescribed for me? Who and what are the persuaders? What do I need to know about tobacco, alcohol, tea, coffee and other mood changing substances?)* **Good to be me** Emotional health and well being *(loss and separation, How do we make each other happy? What is it like to feel high or low?)* Healthy eating	**Relationships** Sex and relationships education *(physical and emotional changes at puberty, How to access support for questions about puberty? timelines, my changing body, growing up, valuing myself, coping with my emotions, personal hygiene)* **Changes** PSHE *(physical and social environment, developing our school grounds)*

	Citizenship *(respect for property)*	*(healthy eating to keep healthy, food groups, making choices about food, understanding labelling and packaging of food)* **Citizenship** *(looking after my money)*	
Citizenship and PSHE Y6	**New beginnings** Safety education *(using my judgements, What causes accidents? Can I cope in an emergency? simple first aid, Where do most serious accidents occur?)* Child protection *(How do my senses help to keep me safe? Who are the people I trust? What can I do when no one will listen?)* **Say no to bullying** *(What is bullying? Who gets bullied? my network of friends)* **Getting on and falling out** **Citizenship – difference and diversity** *(different communities, recognising and respecting diversity within communities, similarities and differences, dealing with the media)*	**Going for goals** Drugs education *(being aware of pressures and influences on me, alcohol, What does it mean to be hooked? How do drugs affect us?)* **Good to be me** Emotional health and well being *(valuing myself, images of me, What gives me confidence? coping with group pressure)* Healthy eating *(taking responsibility for my choices, children as health educators, making sense of the media)* **Citizenship - careers** *(What does being grown up mean? How do I feel about growing up? careers)*	**Relationships** Sex and relationships education *(physical and emotional changes at puberty, How to access support for questions about puberty? timelines, my changing body, growing up, valuing myself, coping with my emotions, personal hygiene, What worries me about growing up? taking responsibilities for my feelings, coping with change and emotions, stereotypes)* **Changes** PSHE *(transition, gaining support and help, accessing information)*
British Values	Commemorate Remembrance Day Harvest Festival		British Citizenship Ceremony