

John Clare Primary School

Key Stage 2 Curriculum Overview

Subject	Term	Cycle A (even)			Cycle B (odd)		
		Year 3/4	Year 4/5	Year 6	Year 3/4	Year 4/5	Year 6
Art	Autumn	Autumn	Sense of Place	North America	Fruit and Vegetables	British Art	North America
	Spring	Nature Sculpture	Wildlife - Birds	Bodies	The Seaside	Insects	Bodies
	Summer	Ancient Egypt	South and Central America	Plants and Flowers	Colour Chaos	The Seaside	Plants and Flowers
DT	Autumn	Christmas Fayre	Christmas Fayre	Christmas Fayre	Christmas Fayre	Christmas Fayre	Christmas Fayre
	Spring	Easter Technology/STEM	Easter Technology/STEM	Easter Technology/STEM	Easter Technology/STEM	Easter Technology/STEM	Easter Technology/STEM
	Summer	Masks	Drums	Paper	Growing vegetables	Lanterns	Paper
English (Power of Reading focus)	Autumn	I was a Rat Moon Man	There's a boy in the girls' bathroom	Treason Macbeth & Shakespeare stories	The Miraculous Journey of Edward Tulane	Street Child The Railway Children	The Arrival Shackleton's Journey
	Spring	Pebble in my pocket Stone Age Boy	Monster Slayer: The Sleeping Army Beowolf	The Highwayman Wonder	Jeremy Button The Borrowers	Varjak Paw	The Highwayman Wonder
	Summer	The Egyptian Echo The Day of Ahmed's secret	The Last Wild	Odysseus	Oral Retelling Creation Stories	Noah Barleywater	1001 Nights Sinbad/Aladdin
Humanities (Geography & History)	Autumn	What was life like for children during the Tudor period?	How did the Tudors influence their world and ours today?	How did the Tudor dynasty shape modern Britain?	What was it like to be a child in Victorian Britain?	What impact did the railways have on Helpston, Peterborough and the nation?	What impact did the Industrial Revolution have on Britain and the world?
	Spring	What was life like during the Stone Age?	Why did the Vikings invade Saxon Britain?	What impact did the Romans have on modern Britain?	How have homes changed through time?	How has medicine changed through history?	How have attitudes towards crime and punishment changed?
	Summer	What was like in Ancient Egypt?	How did the beliefs of the Aztec people	How did democracy shape Ancient	What is the significance of the Benin civilisation?	How do the Mayans' beliefs differ from those today?	What impact has early Islamic culture

			affect their day-to-day life?	Greece and modern day?			had on the modern world?
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Subject	Term	Year 3	Year 4	Year 5	Year 6
Mathematics	Autumn	Place Value within 1,000 Addition & Subtraction Multiplication & Division	Place value: 4-digit numbers Addition & Subtraction Perimeter Multiplication & Division	Place value within 1,000,000 Addition & Subtraction Multiplication & Division Statistics Area & Perimeter	Place Value within 10,000,000 Four operations Fractions Geometry: Position and direction
	Spring	Multiplication and division Money Statistics Length Fractions	Multiplication & Division Measure: area Fractions Decimals	Multiplication & Division Fractions Decimals and percentages	Decimals Percentages Algebra Measure: Imperial and metric measures; Area and perimeter Ratio and proportion
	Summer	Fractions Time Angles and properties of shape Mass Capacity	Decimals Money Time Statistics Geometry: Angles and 2D shapes; Position and direction	Decimals Geometry: Properties of shapes; Position and direction Measure: Converting units; Volume and capacity	Geometry: Properties of shapes Problem solving Statistics
Music (Following Charanga Scheme)	Autumn	Let your spirit fly The Dragon Song	Mamma Mia Lean on Me	Livin' on a prayer The Fresh Prince of Bel Air	Happy You've got a friend
	Spring	Glockenspiel Stage 1 Bringing Us Together	Glockenspiel Stage 2 Blackbird	Classroom Jazz 1 Dancing in the Street	Classroom Jazz 2 Music and Me
	Summer	Three Little Birds Reflect, Rewind and Replay	Stop! Reflect, Rewind and Replay	Make you feel my love Reflect, Rewind and Replay	A New Year Carol Reflect, Rewind and Replay
PE	Autumn	Fitness & Hockey	Fitness & Hockey	Netball & Football	Netball & Football
	Spring	Gymnastics & Dance	Gymnastics & Dance	Table Tennis, Athletics, Gymnastics & Dance	Table Tennis, Athletics, Gymnastics & Dance
	Summer	Tag Rugby, Tennis & Athletics	Tag Rugby, Tennis & Athletics	Cricket, Rounders & Swimming	Cricket, Rounders & Outdoor Adventure Activities
RE	Autumn	How has Christianity shaped our year?	Why is the Bible so important to some people?	Does a religious faith influence our response to the planet? (long unit)	Why is Jesus and inspirational leader for some? (long unit)
		Is Christmas a festival of light or love?	How does the Torah influence the lives of Jewish people?		
	Spring	Why is Seva (selfless service) such an important aspect of human life? (long unit)	Why do some people go to church and others don't?	What can the stories and images of deities tell us about Hindu beliefs about God?	What do Humanists believe? (long unit)

			Is Easter a festival of new life or sacrifice?	How and why do Hindu's worship at home and at the Mandir in Peterborough?	
	Summer	Why is prayer important to Muslims and not for some people? What can Christian's learn from the life of Jesus?	How do the Four Noble Truths inspire Buddhists to lead a better life? (long unit)	What is it like to be a Muslim in Peterborough today? Are all Jewish communities the same?	How can we build a more respectful Peterborough? (Long Unit)
Science	Autumn	Animals including humans (Nutrition, skeleton & muscles)	Animals including humans (Digestive system, teeth & food chains)	Properties and changes of materials	Electricity Light
	Spring	Rocks Light	States of Matter Electricity	Earth and Space Forces	Animals including humans (Body systems, impact of drugs and alcohol on the body)
	Summer	Plants Forces and Magnets	Living things and their habitats (Classification & grouping, environments) Sound	Living things and their habitats (Lifecycles, reproduction, changes)	Evolution and Inheritance Living things and their habitats (Classification, micro-organisms)

Computing overview

Computing	Throughout the year, children will learn:			
	Y3	Y4	Y5	Y6
Computers	<ul style="list-style-type: none"> • What input and output device are and how they are used • How to use a range of input and output devices efficiently. 	<ul style="list-style-type: none"> • To use more complicated devices 	<ul style="list-style-type: none"> • 	<ul style="list-style-type: none"> •
Networks	<ul style="list-style-type: none"> • How computer networks allow data to be transferred and shared • That the internet is a large network that enables computers to share information 	<ul style="list-style-type: none"> • That some computers on a network serve particular functions, such as controlling printers or sharing files 	<ul style="list-style-type: none"> • How to use the internet to allow me to share data with another person • 	<ul style="list-style-type: none"> • How computers are able to communicate and share information • How to use and combine services on the internet to share information
Using Computer	<ul style="list-style-type: none"> • To make choices on which program is best suited to a given task 	<ul style="list-style-type: none"> • How to use different software programs and different types of hardware • How to use a range of programs to complete a task 	<ul style="list-style-type: none"> • How to confidently use a range of software tools 	<ul style="list-style-type: none"> • How to use more than one piece of software to complete a task • To design a program for a given audience
E-Safety	<ul style="list-style-type: none"> • The importance of keeping passwords and personal information secure • How to recognise acceptable and unacceptable behaviour online. 	<ul style="list-style-type: none"> • That what they say or post on the internet might be copied, shared and stored by others • What to do if they see anything worrying online 	<ul style="list-style-type: none"> • How to choose online content for my age group 	<ul style="list-style-type: none"> • How to protect computers or devices from harm on the internet • How to report concerns about content and contact in and out of school
Net Searching	<ul style="list-style-type: none"> • How to use a search engine to find web pages • That not all websites are as reliable as others 	<ul style="list-style-type: none"> • How search engines order their search results 	<ul style="list-style-type: none"> • How to use more advanced features when searching online • How to use a range of search tools to find exactly what they are looking for 	<ul style="list-style-type: none"> • How to recognise trustworthy sources of information on the internet • How to use a broad range of resources online to find exactly what I am looking for
Coding	<ul style="list-style-type: none"> • How to produce a simple program that completes a given task • How simple algorithms solve a given problem 	<ul style="list-style-type: none"> • How to break up programs into smaller parts • To use logical thinking to identify and solve potential bugs during coding • To use other programs whilst coding. 	<ul style="list-style-type: none"> • How to control external hardware from within programs • How to use loops to repeat tasks within a program • How to use IF statements to alter the way programs run • How increasingly complex algorithms solve problems 	<ul style="list-style-type: none"> • Combine software and hardware to solve real-life problems • How to break up code into related instructions, making debugging easier and quicker • How to store and retrieve variables in a program • How to use loops, variables and IF statements to alter the way my programs run • To use logical thinking to identify and solve potential bugs during coding

Relationship, Sex and Health Education

	Healthy and happy friendships	Similarities and differences	Caring and responsibility	Families and committed relationships	Healthy bodies, healthy minds	Coping with change
Y1	Forming friendships and how kind or unkind behaviours impact other people.	Similarities and differences between people and how to respect and celebrate these.	Identifying who our special people are and how they keep us safe.	What a family is (including difference and diversity between families), and why families are important and special.	Our bodies and the amazing things they can do. Learning the correct names for different body parts.	Growing from young to old and how we have changed since we were born.
Y2	Understanding what makes a happy friendship. Recognising personal boundaries and safe/unsafe situations.	Exploring different strengths and abilities. Understanding and challenging stereotypes.	The different communities and groups we belong to and how we help and support one another within these.	The different people in our families, and how families vary.	Ways to stay healthy, including safe and unsafe use of household products and medicines.	Exploring how our bodies and needs change as we grow older. Aspirations and goal setting.
Y3	Being a good friend and respecting personal space. Strategies for resilience.	Respecting and valuing differences. Shared values of communities.	Our responsibilities and ways we can care and show respect for others.	Different types of committed relationships and the basic characteristics of these.	Maintaining physical and mental wellbeing, through healthy eating, sleep and keeping clean.	Coping with feelings around the changes in our lives.
Y4	Solving friendship difficulties. How to act if someone invades your privacy or personal boundaries.	Identity and diversity. Seeing different perspectives and not making judgements based on appearance.	Rights and responsibilities within families and wider society, including the UN Convention on the Rights of the Child.	The range of relationships we experience in our everyday lives. How to understand the differences between types of relationships we encounter.	Influences on our health and wellbeing, including friends, family and media, and awareness of how these can affect personal health choices.	How our bodies change as we enter puberty, including hygiene needs and menstruation.
Y5	Identity and peer pressure off- and online. Positive emotional health and wellbeing.	Celebrating strengths, setting goals and keeping ourselves safe online.	How our care needs change and the effects of loneliness and isolation. Ways in which we can show care in the community.	The characteristics of healthy, positive and committed relationships, and how these develop as people grow older.	Our unique bodies and self-acceptance - valuing our bodies and minds; lifestyle habits (including alcohol, tobacco and drugs) and their effects on wellbeing.	How puberty changes can affect our emotions and ways to manage this; questions about puberty and change.
Y6	How relationships evolve as we grow, including when transitioning to secondary school. How to cope with a wider range of emotions.	Identity and behaviour online and offline. Reflecting on how people feel when they don't 'fit in'.	How we can take more responsibility for self-care and who cares for us as we grow older, including at secondary school.	Human reproduction, including different ways to start a family. *	Being the healthiest me: ongoing self-care of bodies and minds, including ways to prevent and manage mental ill-health.	Ways to manage the increasing responsibilities and emotional effects of life changes.