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Lower KS2 Curriculum Overview

2024-2025

Lower Key Stage 2 Curriculum Overview 2024-2025								
	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2		
Engage Activity	<ul> <li>Visit to Derby         Museum (Stone         age)</li> <li>Arbor Low/Nine         Ladies</li> </ul>	<ul> <li>Mountaineering day – find out about equipment, safety etc</li> <li>Visit to clip n climb</li> </ul>	<ul><li>Visit to Derby Museum (mummies)</li><li>Derby Riverboat Trip</li></ul>	■ Chef visit	<ul><li>Ancient Greeks</li><li>Olympics Day</li></ul>	<ul> <li>Beeston Canal Heritage Visit</li> </ul>		
Inspire Day	Autumn Antics: Harvest Pumpkin carving	Winter Religious Festivals Day: Diwali Chanukah Christmas	Chinese New Year	World Book Day Spring Religious Festivals Day: Easter Pesach Eid al-Fitr	May Day Festival	Summer Celebration Day  Whole School Enterprise Project Open Day		
Forest Schools	Forest School Safety Co-construct safety rules for Forest School area Explore the area with reference to safe risk taking Structures Identifying shapes in natural objects. Comparing homes and habitats for humans/ animals. Identifying natural materials. Constructing structures of different sizes.	<ul> <li>Shelter</li> <li>Identify different animals and insects that use forest school. Identify how they shelter from dangers</li> <li>Explore waterproof materials</li> <li>Construct a shelter for yourself and for animals</li> </ul>	<ul> <li>Warmth</li> <li>How to stay warm in cold weather</li> <li>Identify changes seen during winter.</li> <li>Identify how animals stay warm</li> <li>Explore materials for insulation and warmth</li> </ul>	Plants  Identify how plants grow  Prepare vegetable beds  Sow seeds  Maintain veg beds	<ul> <li>Identify different materials around forest school.</li> <li>Explore uses for different materials.</li> <li>Tools</li> <li>Main outcomes of learning sequence Draw up safety rules for tool use. Identify uses for each tool Explore using different tools safely</li> <li>Construct a carved model/tool</li> </ul>	Food Identify sources of food Harvest and identify foods from veg beds Observational drawing of foods Cook and eat foods harvested		

Read Write Inc.	Read Write Inc. is closely matched to the National Curriculum in England 2014.				
<b>Word Reading</b>	Apply phonic knowledge and skills to decode words. Reading green words and story green words.				
word Redding	Read high frequency words – these are taught as red words.				
	Develop pleasure in reading.				
Comprehension	Daily BSL stories, fiction and nonfiction texts.				
Comprehension	Sequence events in stories.				
	Make inferences and predictions				
	Sounds are introduced sequentially in a structured and systematic way:				
	Set 1 teaches the most common sound-letter correspondences: m a s d t / i n p g o / c k u b / f e l h sh r / j v y w / th z ch qu x ng nk				
	Set 2 Speed sounds teaches alternative vowel sounds: ay ee igh ow oo oo ar or air ir ou oy				
	• Set 3 Speed sounds is made up of alternative spellings of Set 2 sounds: ea oi e a-e i-e o-e u-e aw are ur er ow ai oa ew ire ear ur				
	Get Writing activities:				
	1 Play 'Fred Rhythms' to learn to spell the words – encoding				
Transcription	2. Play 'Fred Fingers' to memorise the spelling – encoding				
	3. Carry out a spelling check – encoding				
	4. Take a spelling test – encoding				
	5. Hold a sentence – encoding				
	6. Build a sentence – language comprehension and encoding				
	7. Edit for spelling and punctuation – language comprehension and encoding				
	8. Write About				
	Name Letters of the alphabet				
	Sit and hold pencil correctly.'				
Llondumiting	Begin to form lower case letters in correct direction.'				
Handwriting	Capital letters.'				
	'Digits 0-9.				
Composition	Extended pieces of writing, applying developing phonic knowledge and language comprehension				

Vocabulary grammar and punctuation	Children are taught to use capital letters at the start of sentences, for names and for the word 'I'.							
Read Write Inc- Fresh Start	Texts matched to children's increasing Reading and Writing activities	knowledge of phonics and 'tricky' words.						
Reading	The Iron Man Ted Hughes the Iron Ted Hughes the Iron The Abominable Ibbotson	The Battle of Bubble and Squeak Philippa Pearce  PHILIPPA PEARCE battle bubble  The Battle of Bubble Anthony Browne  Hansel and Gretel Anthony Browne	The Lion the Witch and the Wardrobe C S Lewis  The Sheep Pig Dick King Smith  The Sheep Pig Dick King Smith					
BSL	<ul> <li>About me</li> <li>Sign names</li> <li>Daily routine at school – 4 weeks</li> <li>Deaf role models</li> </ul>	<ul> <li>Food and drinks</li> <li>What we do/don't hear</li> <li>Farm animals</li> <li>Communication and language differences</li> </ul>	<ul> <li>Weather and Seasons</li> <li>Deaf Inspirations:</li> <li>Project topic TBC</li> </ul>					

	Social Thinking	Narrative: Zog	Blanks: Lego films	Memory Games	Lego Therapy	Vocabulary Boosters
SaLT	Principles: Coloured zones Green strategies Mood and attitude Language skills: Blanks 2/3 Descriptions Emotions vocabulary  Communication skills:	Watch clip/recap Sequence Play script Activity  Principles: Retelling a story using characters Understanding a narrative  Language skills:	Watch clip/recap Activity Prediction or explanation  Principles:  Use and develop language for thinking at suitable blanks level.  Language Skills:	Recall task Memory game Circle time  Principles:  Learn and practice memory strategies  Language Skills:  Memorise, retrieve and recall  Social interaction	Principles:  Using Lego Therapy principles. Groups of 2-4 undertaking roles of: Engineer, Builder, Supplier  Language Skills:  Describe, Request, Decline, Repeat, Rephrase, Clarify, Explain	Weekly topic vocabulary Story Flashcards Creative activity  Principles: Naming and associating words Vocabulary  Language Skills:
	<ul> <li>People reading</li> <li>Group discussion</li> <li>Impact and consequence</li> </ul>	<ul> <li>Expressive language using direct speech/BSL</li> <li>Understanding story sequence</li> <li>Communication skills:</li> <li>Shared peer interaction</li> <li>Negotiating parts and turns</li> <li>Social confidence</li> </ul>	<ul> <li>Level 1: Naming</li> <li>Level 2: Describing</li> <li>Level 3: Retelling</li> <li>Level 4: Predicting, Justifying</li> <li>Communication skills:</li> <li>Giving opinions, creating ideas, inferring, predicting.</li> </ul>	Communication skills:  Working with others Sharing strategies	Communication Skills: Team working Problem Solving Perspective Taking Flexibility	<ul> <li>Ask/respond 'what is it?'</li> <li>Communication Skills:</li> <li>Applying new vocabulary in context</li> </ul>

	Stage 1  Multiplication and Fractions Position and Direct Place Value (within Money Time	tion	<ul> <li>Stage 2</li> <li>Place Value</li> <li>Addition and Subtraction</li> <li>Money</li> <li>Multiplication and Division</li> </ul>	<ul> <li>Stage 2</li> <li>Multiplication and I</li> <li>Statistics</li> <li>Properties of Shape</li> <li>Fractions</li> <li>Length and Height</li> </ul>	
Maths	Stage 2 Place Value Addition and Subtre Money Multiplication and  Stage 3 Length and Perime Fractions Time Properties of shape Mass and capacity	Division eter	Stage 2  Multiplication and Division Statistics Properties of Shape Fractions Length and Height  Stage 4 Place Value Addition and Subtraction Length Perimeter Multiplication and Division	Stage 2 Position and Directi Problem Solving and Time Mass, Capacity and Investigations  Stage 4 Multiplication and I Area Fractions Decimals	d efficient methods temperature
Science	Animals including Humans  Identify that animals, including humans, need the right types and amount of nutrition, and that they cannot make their own food – they get	<ul> <li>Recognise that they need light in order to see things, and that dark is the absence of light.</li> <li>Notice that light is reflected from surfaces.</li> <li>Recognise that light from the sun can be</li> </ul>	<ul> <li>Forces and Magnets</li> <li>Compare how things move on different surfaces.</li> <li>Notice that some forces need contact between two objects, but magnetic forces can act at a distance.</li> <li>Observe how magnets attract or repel each other and attract some materials and not others.</li> <li>Compare and group together a variety of everyday materials on the basis of whether</li> </ul>	Plants  ■ Identify and describe the functions of different parts of flowering plants: roots; stem/trunk; leaves; and flowers.  ■ Explore the requirements of plants for life and	<ul> <li>Compare and group together different kinds of rocks on the basis of their appearance and simple physical properties.</li> <li>Describe in simple terms how fossils are formed when</li> </ul>

	nutrition from what they eat.  Identify that humans and some other animals have skeletons and muscles for support, protection and movement.	dangerous and that there are ways to protect their eyes.  Recognise that shadows are formed when the light from a light source is blocked by an opaque object.  Find patterns in the way that the size of shadows change.	some magnetic mate Describe magnets as Predict whether two	having two poles.	growth (air, light, water, nutrients from soil, and room to grow) and how they vary from plant to plant.  Investigate the way in which water is transported within plants.  Explore the part that flowers play in the life cycle of flowering plants, including pollination, seed formation and seed dispersal.	things that have lived are trapped within rock.  Recognise that soils are made from rocks and organic matter.
History	Enquiry Question: ■ How did the Stone Age, Bronze Age and Iron Age people affect our lives?	Enquiry Question: ■ Who conquered mountains and oceans?	Enquiry Question: ■ Why was (and is) the Nile so important to Egyptian life?	Enquiry Question:  How have human diets changed?	Enquiry Question: ■ How did the Ancient Greeks affect our lives?	Enquiry Question:  How did canals contribute to changes in British society?
Geography	<ul> <li>Counties and Citie</li> <li>Land use in the UI</li> <li>Compare differentiactory.</li> </ul>	(deforestation)	<ul><li>Climate Zones</li><li>The Water Cycle</li></ul>		<ul> <li>Weather and Climat</li> </ul>	vith France/ (Germany)

Art & Design	Cave art Media: charcoals, working on textured surfaces, painting with natural materials	Monet (impressionist painter) Explore his life and work Media: light and colour	Egyptian self portrait	Japanese food art	Sculpture  Make and decorate an  Ancient Greek clay pot  from air-drying clay	Make a canal boat using junk modelling Use water colours
Design & Technology	Structures	Hydraulic monster	Levers and linkages	3D board game	Chocolate moulds	Carnival hat/float
Food Technology	Eatwell plate Practical work will inc Investigating differ Baked apples Apple muffins Apple and cinname Vegetable samosa Vegetable skewers Different types of Pizza Winter Vegetable Baked stuffed onic Festive baking	rent varieties of apples.  on rings s bread soup	Food around the World Portion sizes Use an increasing range Recognise and name ar food.  Practical work will included Pancakes Egg custards Potato cakes Beetroot and chee Chocolate tasting Chocolate and Beet	e of equipment increasing range of ude:	Food storage Food from different anii Food from different par Food grown in different  Practical work will inclu  Buried treasure reci  Sunset Pasta salad  Broccoli and Bean s  Garlic and herb pind  Tomato and Basil sa  Courgette and toma	ts of the plant. climates.  ude: ipe alad wheels

	Exploring elements of music through	Pitch and duration	Exploring musical skills part 2
Music	<ul> <li>Graphic score</li> <li>Explore the concepts of fast/slow, loud/quiet through graphic representation of size and shape.</li> <li>Submit and introduce the idea that different shapes/colours may represent different instruments.</li> <li>Pupils to practice performance of Graphic scores through imitation and demonstration.</li> <li>Pupils will create and perform their own Graphic scores.</li> </ul>	<ul> <li>Use some aspects of the previous Graphic score topic to introduce the idea of pitch and low and high.</li> <li>Introduce pupils to the pitch colour coding system established at RSDD.</li> <li>Through various listening activities, practical activities and assessments allow pupils to explore different pitches from low to high.</li> <li>Along with this, introduce ideas of long and short sounds across different pitch ranges, exploring duration in parallel to pitch.</li> <li>Return to the dynamic and tempo based elements of term 1, showing pupils how pitch also fits in with these elements.</li> </ul>	<ul> <li>Begin introducing pupils to traditional note durations (crotchet, minim, quavers, triplets semiquavers), include the vocabulary but focus primarily on accurate performance of these concepts.</li> <li>Create basic rhythmic lines that pupils can use to practice performing note durations.</li> <li>Once this is mastered to a suitable degree add in traditionally written dynamics to this and also spend some time exploring accented rhythms.</li> <li>Introduce the words dynamics, and tempo as descriptors of what they are doing.</li> </ul>

Throughout the year students will use a variety of software including presentation, spreadsheets, word processing, databases and desktop publishing to develop and extend their transferable computer skills.

Their programming knowledge will be supported through use of text based programming (Python) and graphical based programming (Scratch). They will also be given the opportunity to increase their awareness of theoretical topics connected to Computing and will also be able to explore hardware. Online safety and awareness will be integrated throughout the year

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Co	m	n	ut	Ĭ	ng

## Communication and

## The use of different Internet services and develop an awareness of how to do so safely

#### Algorithms

Networks

- How to create algorithms and programs using sequence, repetition, selection and loops
- How to explain what is happening in a program

#### Data

What is meant by data and how it is used.

#### Communication and Networks

- The difference between the Internet and the World Wide Web
- How people affect a network
- How computers collect data

### Hardware and **Processing**

The difference between hardware and software and how they work

#### Data

 The difference between data and information

### Algorithms **Programming and** Development

How to design solutions that use two-way selection

This half terms work builds upon knowledge from Autumn 1 in a different programming context

#### Communication and Networks

- The need for and how to use Safe Search
- What is acceptable/unaccep table behaviour when using digital technologies and online services

### Information Technology

How to create, sort and search in a flat file database

### **Programming and** Development

- Concatenation
- Variables

### Algorithms **Programming and Development**

- How to create algorithms and programs using sequence, repetition, selection and loops
- How to explain what is happening in a program

programming context

#### Information Technology

■ How to keep safe and secure in an online world

This half term again builds upon knowledge from Autumn 1, Spring 1 in a different

Religious Education	L2.7 What does it mean to be a Christian in Britain today?	communities?		L2.1 What do people belie God?		L2.4 Why do peop pray?	ole	L2.2 Why is the Bible so important for Christians today?
Physical Education	Striking and Fielding Fielding Throw and catch  With a partner  To self  At different heights a Intercept the ball  At different heights a Batting Strike the ball  Different directions a Bowling  With accuracy  Underarm bowl Attack and defend  Awareness that they opponent  When fielding cover of the batters strenger Tactics  Understand simple to Demonstrate simple  Understand and follow	are trying to outwit an all spaces and be aware the and cover areas actics of the game tactics	Dance Control and coordination.  Move with fluency and conshapes with the body Change of speed, direction travel On feet in a variety of wall other body parts Perform Demonstrate mood and for coutines A range of dance themes	omplex on and level ys i.e. hands Geeling	gymnastic Shapes Rolls – f Twists – Seated Combin movem Sequence Copy ar sequence Curled Stretche Wide Tall Balance Greater and var Control Change directio Travels Rotation ( Differen	cs nce of a range of s skills e.g.  — tuck and star forward  - half and full landing — seat ation of ents s nd repeat ces/routines pes  ed  degree of control iety  of speed and	Runni	s events ing n n n o o o o o o o o o o o o o o o o

	Swimming  Build water confidence Breathing Safe entries	Swimming Introduce water safety skills Safe entries		Swimming  Basic skills needed to build swimming ability  Streamlining strokes	and sk toward	he confidence ills to work ds riding a pedal ndependently	Cycling ■ Gain the confidence and skills to work towards riding a pedal bike independently
PSHE/Wellbeing	<ul> <li>How friendships simportance of see lonely or excluded.</li> <li>How to recognise and excluded and them</li> <li>How to build good identifying qualitity positive friendships.</li> <li>Relationships – Wha</li> <li>How families differ (including that no same family struct same sex parents, families, foster and How common fear often include shall celebrations, specifically included in the composition of the same sex parents.</li> <li>How people withing each other and the demonstrate this</li> </ul>	if others are feeling lonely strategies to include differendships, including es that contribute to os tare families like? En from each other tevery family has the ture, e.g. single parents, step-parents, blended ad adoptive parents) tures of positive family life red experiences, e.g. cial days or holidays in families should care for e different ways they	and look after How to ea nutritional How to ma regular brook importance How not en health, incompartance How peop and drink, these How, when help about Health and word including onli Their body hurt or took what to do uncomford How to read o someth	t a healthy diet and the bally rich foods aintain good oral hygiene ushing and flossing) and the of regular dentist visits ating a balanced diet can cluding the impact of too lic drinks on dental health le make choices about which including who or what in and where to ask for addit healthy eating and dental ellbeing — What keeps usine?  To belongs to them and shouched without their permonand who to tell if they feel	enefits of  (including he  affect much of the hat to eat fluences divice and al care is safe, ould not be dission; eel one of the hat to eat fluences dission	How to recogn harm or injury reduce risk an safe How to help k safe, e.g. wear clothing and stream Health and wellb How everyday routines help (including how medicines, such and other hour how to react a accident and he.g. scratches, What to do in for help (BSL9)	eing – Keeping safe  health and hygiene rules and people stay safe and healthy to manage the use of ch as for allergies and asthma, seehold products, responsibly) and respond if there is an now to deal with minor injuries grazes, burns an emergency, including calling

## Citizenship/ Careers

## Relationships – How can we be a good friend?

- that friendships sometimes have difficulties, and how to manage when there is a problem or an argument between friends, resolve disputes and reconcile differences
- how to recognise if a friendship is making them unhappy, feel
- uncomfortable or unsafe and how to ask for support

# Living in the wider world – What makes a community?

- How they belong to different groups and communities, e.g. friendship, faith, clubs, classes/year groups
- What is meant by a diverse community; how different groups make up the wider/local community around the school, inc the deaf community
- How the community helps everyone to feel included and values
- Different contributions that people make
- How to be respectful towards people who may live differently to them

## Health and Wellbeing – Why should we keep active and sleep well?

- How regular physical activity benefits bodies and feelings
- How to be active on a daily and weekly basis - how to balance time online with other activities
- How to make choices about physical activity, including what and who influences decisions
- How the lack of physical activity can affect health and wellbeing
- How lack of sleep can affect the body and mood and simple routines that support good quality sleep
- How to seek support in relation to physical activity, sleep and rest and who to talk to if they are worried

#### Living in the wider world – The jobs people do

- Different jobs that people do including those that care for others
- Gender stereotypes in jobs
- Different clothes for different jobs
- Meet the community police officer

#### Living in the wider world - recycling

- Why we recycle
- What can we recycle
- How this affects the environment

## Contributing to the community/working together

 Participate in a whole school enterprise project which benefits the community/charity

#### Careers

- My achievements this year
- The skills I have learnt