## Long Term Scheme of Learning

Lower Key Stage Two Year 4

2023 – 2024



At Barley Fields Primary School, our **Curriculum Promise** is a guarantee that we will provide every child with access to an aspirational, high-quality and sequenced curriculum where the needs of your child across a range of developmental areas – academic, social and emotional – will always be at the centre of our provision and planning. We will provide stimulating wider curriculum where all children will benefit from a diverse range of educational experiences and residential visits during their journey through our school.



Our curriculum is built on three pillars of intent and has the National Curriculum objectives at its foundation.

We have successfully designed our curriculum to be ambitious and to meet the needs of all children, developing their knowledge, skills and abilities to apply what they know and can do with increasing fluency and independence. As our children make progress; they know more, remember more and are able to do more.

All children study the full curriculum. We have carefully considered and analysed our curriculum with regard to equality and the possible implications for pupils with protected characteristics including Special Educational Needs. We do not narrow our

curriculum offer to any child but may amend the curriculum to offer bespoke provision if necessary.

Our curriculum promotes high standards and excellence in all areas and is based on practical and first-hand experiential learning. We embed the use of technology across the curriculum and have excellent resources in this area. In addition to the academic and creative subject teaching, we will promote learning through growth mindset and the enhance the development of personal skills in a fun, caring and mutually supportive environment. Barley Fields Primary is a Rights Respecting School and our ethos actively promotes British Values and Global Learning.









2	. Consolidation of	1. What is Area?	•	5. Complete number	6. What are Polygons	2 Weeks
	mental methods for	2. Measuring Area by	12	lines with fractions /	7. Lines of Symmetry	
	addition	counting squares	10 2	mixed numbers	8. Complete a	1. Using Decimal
3.	. Using a formal	3. Making and	9 3	6. Comparing and	Symmetrical Figure	notation to record
	method to subtract	calculating the Area	7 6 5	Ordering Fractions		money
	3- and 4- digit	of rectilinear shapes		and mixed numbers		2. Convert amounts in
	numbers with and	using squares	<u>ivieasurement Time</u>	7. Understanding		£ and p
1	Consolidation of	4. Compare the area	1 Understanding and	Convert Mixed		3. Compare and order
4	mental methods for	and order them by	1. Onderstanding and	Numbers into		amounts of money
	subtraction	size	vocabulary of time –	Improper Fractions		4. Estimate with
5	Using efficient	5120	days to months and	9 Covert Improper		F Calculating with
	addition and		months to years	Fractions to Mixed		
	subtraction		2. Understanding and	Numbers		6 Solve Problems with
	calculation		converting the	10. Adding Fractions		money
	strategies to solve		vocabulary of time –	with the same		,
	reasoning	<u>Number</u>	days to months and	denominator		VEDY
		Multiplication and	months to years	11. 10. Exploring		нот
		Division Part 1 3 weeks	3. Consolidate skills in	Equivalent Fractions		WARM
		1. Recognise and	reading digital and	12. Adding Fractions		COOL
		use multiplies of	analogue time	and Mixed Numbers		
		3	4. Converting From	13. Subtracting		Measures
		2. Recognise and use	Analogue to Digital	fractions with the		Temperature
		multiplies of 6 and	Time	same denominator		
		begin divide by 6		14. Subtract fractions		herbers her
		3. Consolidate		from whole		Image: Second
		table and division		15 15 Subtract		
		facts for 6		fractions from		····· • ***
		4 Recognise and use		mixed numbers		Geometry
		multiplies of 9 and		16. Solving Fraction		Position and Direction
		begin divide by 9		Problems –		2 weeks
		5. 9x table and division		arithmetic and		1. Describe Position
		facts		reasoning		2 Plot
		6. Consolidate				CoordinatesDescrib
		understanding of				e Translatio
		the 3, 6 and 9 times				3. Draw 2D shapes on
		tables				a grid

7. Recognise and use	4. Translate on a Grid
multiplies of 7	5. Describe
8. Exploring 7 times	Translation on a
table and division	Grid
Fact Families	
9. 11 times table and	
division facts	
10. 12 times table and	
division facts	
11. Multiply by 1 and 0	
12. 12 Divide numbers	
by 1 and itself	
13. Multiply 3 numbers	

		Sound	Li	ving things and their		Animals including		Electricity		Materials	Sci	entists and Inventors
	N	laking and Changing		Habitats		Humans	Cir	cuits and Conductors		States of Matter		
		Sound	Liv	ving in Environments	E	ating and Digestion						
										Solid Liquid Gas		Scientists and Inventors
	1.	How are sounds	1.	What is a habitat?	1.	What is a carnivore,	1.	What can we use to	1.	What are solids,	1.	Who was Thomas
		made?	2.	How can we group		herbivore and		create a circuit?		liquids and gases?		Edison and what
e	2.	How do we hear		living things?		omnivore?	2.	What is the	2.	What is a gas?		was he known for?
С С		sounds?	3.	How can we classify	2.	What is a food		difference between	3.	How does heat and	2.	Who was Alexander
ē	3.	Can sound travel		animals into		chain?		battery and mains		cold change		Graham Bell and
Ū		through materials?		groups?	3.	What are human		power?		materials?		what was he known
0)	4.	Can sound travel	4.	How do we use a		teeth like?	3.	What are	4.	At what		for?
	_	across distances?		classification key to	4.	How do we keep		conductors and		temperature do	3.	Can L invent and
	5.	Which materials are	_	classify animals?	_	our teeth healthy?		insulators		materials change?		investigate
		the best at	5.	How do we use a	5.	What is the	4.	Why do we need	5.	What is		toothpaste?
	_	insulating sound?		classification key for	_	digestive system?		conductors and	_	evaporation?		
	6.	What are pitch and	_	plants?	6.	How does the		insulators?	6.	What is		
		volume?	6.	What impact do		digestive system	5.	How can we make a		condensation?		
				Humnas have on		work?		switch?	7.	What is the water		
				habitats?			6.	How can we make a		cycle?		
								bulb shine brighter?				

	Computer Science - Computing Systems and Networks The Internet	Computer Science Creating Media 1 Audio Production	Computer Science Creating Media 2 Photo Editing	Information Technology Data and Information Data and Information Data Logging	Computer Science Programming A Repetition in Shape	Computer Science Programming B Repetition in Game
Computing	<ol> <li>How do networks physically link together?- In class</li> <li>What is the internet made of?</li> <li>What can be shared on the World Wide Web?- computers/iPad</li> <li>What is a Website? – Computers/iPad</li> <li>Who owns the World Wide Web? Computers/iPad</li> <li>Can I believe what I read?</li> </ol>	<ol> <li>How can sound be recorded?- In class</li> <li>How can we edit an audio recording? – Computer/iPad</li> <li>What is a Podcast and how can I plan to record one?- Computer/iPad</li> <li>Can I record and edit sounds to create a Podcast? – Computers/iPad</li> <li>Can I enhance and develop my Podcast with sound effects and music? Computers/iPa</li> <li>Can I evaluate my Podcast?</li> </ol>	<ol> <li>How can I change a digital image?- iPad</li> <li>What happens when we change the colours and colour effects of images?- iPad</li> <li>How does the cloning technique help to improve images? iPad</li> <li>Can I use a range of tools to edit and combine images? iPad</li> <li>Can I combine images for a purpose? iPad</li> <li>Can I evaluate my work and make editing changes? I Pads</li> </ol>	<ol> <li>How can data gathered over time be used to answer questions?</li> <li>How can I collect data over time with a digital device?</li> <li>What is a data logger?</li> <li>How can I analyse data in a data file?</li> <li>Can I think of questions that can be answered from my logged data?</li> <li>Can I use my data collected to answer questions?</li> </ol>	<ol> <li>What is Logo?</li> <li>Can I write ordered instructions (code) to created my initials in logo?</li> <li>How do I use the 'repeat' command in Logo?</li> <li>How do loops in code create effects?</li> <li>What is decomposition as how can it be used in code?</li> <li>Can I create a program with count-controlled loops?</li> </ol>	<ol> <li>How can I create loops of code in the Scratch program?-</li> <li>What types of loop can be created in programming?</li> <li>Can I develop a design using loops to create a short animation?</li> <li>Can I modify code for a game design t change how things happen?</li> <li>Can I design a game that includes the use of repetitive code in the algorithm?</li> <li>To create a game using my coding skills?</li> </ol>
Digital Literacy	Managing online information ದ್ರೋ Online reputation	Copyright and ownership	Online bullying	Online relationships	Self-image and identity	Health, well-being and lifestyle

	Batt Viki	les in the Past ings Vs Anglo Saxons		H W	istorical Turning Point- hy Did Henry VIII Marry Six Times?		The Railway Revolution – Local study	
History	<ol> <li>Wha raide</li> <li>Who</li> <li>Brita</li> <li>How</li> <li>Cour</li> <li>Who</li> <li>impo</li> <li>How</li> <li>Cour</li> <li>How</li> <li>How</li> <li>Cour</li> <li>How</li> <li>Brita</li> </ol>	t was Britain like befored? were the Vikings and in? did the Vikings try to try and how close did was Alfred the Great ortant? and when did Englan htry? and why did the Saxc	ore the Vikings I why did they invade take over the I they get? and why was he I become a unified on and Viking era in	1. 2. 3. 4. 5. 6.	Who were the Tudors and when did the reign? Could you spot Henry VIII in a police lin How many wives did Henry VIII have? Why did Henry VIII want a divorce from Catherine of Aragon? Why did Henry break from Rome? Low religion? Which of Henry VIII's wives would you be and why?	hey ine-up? im ve or u want to	<ul> <li>How did people ar invention of the st</li> <li>How did the railwa people in our loca</li> <li>Did everyone see to locomotive in the</li> <li>Who were the wind railways?</li> </ul>	nd goods travel prior to the team train? ays change the lives of lity? the invention of the steam same way? thers and losers of the

Y	Location and Place Knowledge Local Field Study - Village Settlers York	Physical Geography What is Climate Change?	Locational Knowledge Our European Neighbours
Geograph	<ul> <li>7-1_What are the needs of early settlers and what are the reasons for the original siting of settlements?</li> <li>8-2_What are the origins of place names?</li> <li>9-3_Why do we use mapping symbols and what do they mean?</li> <li>10-4_How are settlements connected?</li> <li>11-5_Why do people move from place to place today?</li> </ul>	<ol> <li>What is the difference between weather and climate?</li> <li>What is climate change?</li> <li>What is the impact of climate change?</li> <li>What is the common goal? The big debate!</li> <li>What is the future we want?</li> <li>How can we encourage others to take action with us?</li> <li>What are the Global Goals for Sustainable Development and why are they important?</li> <li>Who is taking action against Climate Change?</li> </ol>	<ol> <li>How do we understand Europe as a continent?</li> <li>What are the countries and capital cities of Europe?</li> <li>What are the human and physical features of Spain?</li> <li>How does Spain's climate differ to the UK?</li> <li>How can I locate Spain's cities on a map?</li> <li>What is London like compared to Madrid?</li> </ol>



		Presenting Myself		Family		House of Tudors		At the Café		The Classroom		My Home
		(Je Me Presente)		(En Famille)		(La Maison Tudor)		(Au Café)		En Classe		(Chez Moi)
	- I	ntermediate Language	Int	ermediate Language	Int	ermediate Language	Int	ermediate Language	Int	ermediate Language	Int	ermediate Language
		Unit		Unit		Unit		Unit		Unit		Unit
		Je me présente				- <u>*</u> *						
	1.	What can you	1.	What are the	1.	What can you tell	1.	How do I order a	1.	Can you name	1.	What type of
		remember about		names for the		me about Henry		drink in French		some classroom		building do you live
		numbers to 10 and		family members in	2	VIII?		using the correct	2	items in French?		in and where is it
		asking and answering	2	French?	2.	Can you identify	r	article?	2.	Can you name the	2	located?
	2	How do I count to 20	۷.	your family		and nouns within a	Ζ.	food in French		classroom objects	Ζ.	vou have in your
Ľ	2.	in French?		members using		piece of text		using the correct		in French?		house (1)?
Σ	3.	Can you ask the		'my' before the		written in French?		article?	3.	How do you	3.	Which rooms do
_		question, 'How old are		noun?	3.	Can you describe	3.	Can you order food		respond to the		you have in your
		you?' in French?	3.	Do you have any		each of Henry VIII's		and drink together		question 'Qu'est-ce		house (2)?
	4.	Can you ask someone	_	brothers or sisters?		wives in French?		as part of a café		qu'il y a dans ta	4.	Which rooms are
		where they live in	4.	What are the	4.	Can you decipher		role play?		trousse ?'	_	not in your house?
	F	French?		names of your		which statements	4.	Can you ask and	4.	Can you answer the	5.	Can I talk about
	э. 6	What have you learnt		sisters?		wives are true and		auestion <i>Ou'est-ce</i>		your pencil case?'		home?
	0.	in the unit. Je Me	5.	Can you count to 70		which are false?		tu prends pour le		using the	6.	What have we
		Presente?		in French?	5.	What have you		petit déjeuner?		possessive		learnt in the unit,
			6.	What have you		learnt about the	5.	Can you order extra		adjectives 'mon',		Chez Moi?
				learnt in the unit,		Tudor period?		food and drink		'ma' and 'mes?'		
				La Famille?				items in French?	5.	Can you use 'Je n'ai		
							6.	What have you		pas de'to form a		
								learnt in the unit,		detailed description		
								Au Cafe?		of what you have		
										your pencil case?		
										your perici case!		

		Glockenspiel		Christmas Performance		Recorder- Blown Away Book 2		ABBA MANIMA ANNA MAX Mamma Mia!		Blackbird		Reflect, Rewind and Replay
Music	1. ( 1. ( 1. ( 1. ( 1. ( 1. ( 3. ( 1. ())))))))))))))))))))))))))))))))))))	Can you play the notes C,D,E,F? Can you play the notes C,D,E and F / and explore pitch? Can you play the note G? Can you play in collaboration with others? Can you play a musical piece using C, D, E, F and G / and explore rhythm? Can you play using the notes C, D, E and F with more complex rhythmic patterns / exploring pulse? Can you create a composition? (use iPad and children	<ol> <li>1.</li> <li>2.</li> <li>3.</li> <li>4.</li> <li>5.</li> </ol>	What is a production? How will this production look different from your end of year production in Year 3? How do we communicate thoughts and feelings of a character or songs? What do you do if you lose your part? How can we make sure that the audience can hear and understand us? Look at your performance. What went well? What would you change? How could you improve it?	<ol> <li>1.</li> <li>2.</li> <li>3.</li> <li>4.</li> <li>5.</li> </ol>	What can you tell me about the recorder? Do you know how to play the note F? Do you know how to play the note low C Do you know how to play the note F#? Do you know how to play the note high E?	<ol> <li>1.</li> <li>2.</li> <li>3.</li> <li>4.</li> <li>5.</li> <li>6.</li> </ol>	Do you know the song Mamma Mia? Who is it by? Have you heard the song Dancing Queen? Can you play alongside? Do you know the song The Winner Takes It All? Can you improvise? Have you heard the song Waterloo? Can you compose musical sections? Do you know the song Super Trouper? Consolidation of composition of musical sections. Have you heard the song Thank you for	1. 2. 3. 4. 5. B(	Have you heard the song 'Blackbird?' Who is it by? Can you play an instrument alongside a song? Can you improvise alongside the song? Can you compose with the song? Do you know the song 'Yesterday' by The Beatles? Consolidation of composition of musical sections. o you know the song 'Let it Be' by The eatles? Consolidation of composition of musical sections.	<ol> <li>1.</li> <li>2.</li> <li>3.</li> <li>4.</li> <li>5.</li> </ol>	What is a production? How will this production look different from your end of year production in Year 3? How do we communicate thoughts and feelings of a character or songs? What do you do if you lose your part? How can we make sure that the audience can hear and understand us? Look at your performance. What went well? What would you change? How could you
	I	iog into Charanga)	6.	Are you ready to perform?				Consolidation of composition of musical sections.			6.	Are you ready to perform?

	The Pop Art Movement	Portraits	Printing and Pattern
	Andy Warhol / Yayoi Kusama	Tudor Art	William Morris - Victorians
Design			
Art and I	<ol> <li>Who is Andy Warhol?</li> <li>Who is Yayoi Kusama?</li> <li>Can you complete an observational drawing?</li> <li>Can you design a Pop Art piece?</li> <li>Can you create a clay sculpture?</li> <li>Can you decorate your sculpture in a Pop Art style?</li> </ol>	<ol> <li>What is a portrait?</li> <li>What is proportion?</li> <li>Can you draw facial features?</li> <li>Can you draw a self-portrait?</li> <li>How has portraiture changed throughout history?</li> <li>Can you create a Tudor style self-portrait?</li> </ol>	<ol> <li>Who was William Morris?</li> <li>Can you create artwork inspired by William Morris?</li> <li>Can you complete your complex pattern?</li> <li>Can you use water colour to produce a background for your Morris print?</li> <li>Can you creata a Styrofoam print?</li> <li>Can you use digital media to create a wallpap inspired by William Morris?</li> </ol>
	Mechanisms – Levers and Linkages MODULE PLANNER – LEVERS AND	Electrical Systems - Simple circuits and switches	Food and Nutrition MODULE PLANNER – HEALTHY AND VARIED DIET

Design Technology LINKAGES MODULE PLANNER – SIMPLE **Perfect Pizza** CIRCUITS AND SWITCHES **Moving Messages Recycled Outdoor Lights** 1. What are we learning in DT? 1. What are we learning in DT 1. What are we learning in DT? 2. What are mechanical systems? 2. How do electrical circuits create light? 2. What do I know about Pizza? 3. How can I create leavers and linkages? 3. Can I create a circuit? 3. What toppings can we add to a pizza? 4. Can I design a moving Christmas Message? 4. Can I design a healthy pizza? 4. Can I design an outdoor light? 5. Can I follow my design to create a moving 5. Can I make an outdoor light? 5. How do I make a pizza? 6. How did my light turn out? 6. How did my pizza turn out? Christmas message? 6. How did my moving message turn out?

	Festivals/Beliefs and Practices	Festivals/Beliefs and Practices	Places of Worship What is a Mosque and why is it important?	Festivals/ Beliefs & Practices What actually happened at Easter?	Belonging/Beliefs and Practices/Founders and Leaders	Beliefs and Practices
Ϋ́	<ol> <li>Who is Rama and Sita?</li> <li>How is Diwali celebrated around the world?</li> <li>Why is light important in the festival of Diwali?</li> <li>What are the Five- Day Celebrations of Diwali?</li> <li>What is a Rangoli Pattern and why is it important?</li> </ol>	<ol> <li>What do I know about the Christmas Story?</li> <li>What was Mary and Joseph's journey to Bethlehem like?</li> <li>What journey did the Three Wise Men take?</li> </ol>	<ol> <li>What are the external features of a mosque?</li> <li>What are the Internal Features of a Mosque?</li> <li>A trip to the local Mosque</li> <li>A tour guide of our local Mosque</li> </ol>	<ol> <li>What happened on Palm Sunday?</li> <li>What happened at the Last Supper?</li> <li>What happened after Jesus was arrested?</li> <li>What happened during the resurrection and why is this important?</li> <li>Can I sequence and explain the significance of the events in the Easter Story?</li> </ol>	<ol> <li>Who is Siddharth Gautama and why is he significant to the Buddhism?</li> <li>What is Vesak day and how is it celebrated?</li> <li>What are the core beliefs and teachings of Buddhism?</li> <li>What is the eightfold path and the four noble truths?</li> </ol>	<ol> <li>What are the five pillars of Islam and why are they important?</li> <li>What is Shahadah (belief) and Salah?</li> <li>What is Zakat (charity) and Swam?</li> <li>What is Hajj (pilgrimage)?</li> <li>What do I understand about each of the Pillars?</li> </ol>

PSHE	Health and Well Being - ThinkHe WPositiveI1.What is a happy mind and how can it make a difference to our lives?1.2.What are helpful and unhelpful thoughts and how do they affect the way we feel?2.3.How does it feel when big changes happen in our lives and how can we cope with these feelings?3.4.What is a positive attitude to learning and what strategies can we use when we find something challenging?4.	ealth and /ell Being - Safety First What risks, hazards and dangers do we face in everyday life and what can we do if we think we're in a risky situation? What are the dangers of using the road and how can we use the road safely? What are drugs, cigarettes and alcohol and how do they affect the body and why are they dangerous? Who is responsible for keeping me safe? What does it mean to be safe online? Is this the same or different to what we have discussed?	<ul> <li>Relationships - VIPs</li> <li>Who are the important people in our lives? Why are they important?</li> <li>What makes a good relationship? What can we do if one of our relationship? What can we do if one of our relationships is not good?</li> <li>How and why do people fall out with their friends? What can we do when this happens?</li> <li>What are the different ways that people a can be bullied and how can this affect people?</li> </ul>	Relationships - Growing Up 1. How might our thoughts and feelings change during puberty and how can we deal with difficult feelings and moods? 2. RSE Lesson 1 Puberty and Human Reproduction 3. What is personal hygiene?	<ol> <li>Living in the Wider World - Respecting Rights</li> <li>What are rights and what rights do all people share and what special rights do children have?</li> <li>Are all rights of equal importance?</li> <li>What is respect and why is it important that rights are respected and what does it mean to respect the rights of others?</li> <li>What can we tell about a person by looking at a picture?</li> </ol>	Living in the Wider World - One World 1. What are the similarities and differences in the live of Chiwa and Kwende and why are their lives so different? 2. What are Chiwa's reasons for wanting to attend school and what are her mother's reasons for wanting her to stay at home? 3. How can our actions affect the lives of people like Chiwa and what can we do to help make the world a fairer place to live?	
RSE	The changing adolescent and the human lifecyo	: body cle	What is puberty?	WHAT IS PUBERTY	Healthy Relationships		
	<ol> <li>Explore the human lifecyular</li> <li>Identify some basic facts</li> <li>Understand that puberty in the human lifecycle</li> </ol>	cle about puberty ' is an important stage	<ol> <li>To explore how puber reproduction</li> <li>Know about some of emotional changes th</li> <li>Understand that child be able to reproduce</li> </ol>	rty is linked to the physical and at happen in puberty Iren change into adults to if they choose to	<ol> <li>Explore respect in a range of relationships</li> <li>Discuss the characteristics of healthy relationships</li> <li>Know that respect is important in all relationships including online</li> <li>Explain how friendships can make people feel unhappy or uncomfortable</li> </ol>		