		1	1	1
	Autumn 1	Autumn 2	Spring	Summer 1
EYFS	Ourselves – How are we the same or	How do we celebrate different events?	What are the differences between cold	Fairy Tales/Traditional
	different?		and hot countries?	Stories/Dinosaurs – What do books h
				us learn about the past?
	PEOPLE WHO HELP US	WINTER WARMERS	SPRINGTIME	
				BOATS AHOY
	Summary	Summary	Summary	
		Chauman approximation and patterns, areating	Three environ the mode activities allow the	Summary
	Infee activities based on our everyday	Snowmen scarves and patterns, creating	children to engage in computational	Takes shildren on a journay of diagons
	to help pupile develop their computational	igioos and bird feeders.	thinking concerts and enpression areating	Takes children on a journey of discove
	to help pupils develop their computational		iunk secrecrows, make and explore a	as they investigate boats.
			rabbit run and plant seeds	
1	What is special about our area?	What makes the Xbox more fun than	What did Paddington Bear do when he	Where do animals, dinosaurs and pla
	School/Hedon- Geography	toys/games from the past? History	went to London? Geography	come from? Science
	Computing systems & networks	Creating media	Programming A	Creating media
			&	
	<u>Summary</u>	<u>Summary</u>	Data & information	Summary
	<u>Lechnology around us.</u>	Digital painting Chapping appropriate tools in a program to	Summary	Digital writing
	Recognising technology in school and	choosing appropriate tools in a program to	Moving a robot	Using a computer to create and format
		working non-digitally	Writing short algorithms and programs for	digitally
	l inks to prior learning	working non digitally.	floor robots and predicting program	aightairy.
		Links to prior learning	outcomes.	Links to prior learning
	Barefoot Computing EYFS curriculum	<u>_</u>		<u></u>
	which develops computational thinking.	Barefoot Computing EYFS curriculum	Grouping data	Barefoot Computing EYFS curriculun
		which develops computational thinking.	Exploring object labels, then using them to	which develops computational thinkin
			sort and group objects by properties.	
			Links to prior learning	
			Parafact Computing EVES ourrigulum	
			which develops computational thinking	
2	How have people of the past	Why can't a Meerkat live in the North	How do we know about the Great /fire of	What do beaches have in common
-	influenced our lives today? History	Pole? Geography/ Science	London? History	(Bridlington & Sydney) Geography
	Computing systems & networks	Creating media	Programming A	Creating media
			&	
	Summary	Summary	Data & information	Summary
	Information technology around us	Digital photography	Summary	Digital music
	Identifying IT and how its responsible use	Capturing and changing digital	Summary	Using a computer as a tool to explore
	improves our world in school and beyond	photographs for different purposes	Robot algorithms	rbythms and melodies before creating
			Creating and debugging programs and	musical composition.
	Links to prior learning	Links to prior learning	using logical reasoning to make	
	<b>````````````````````````````````</b>	<u></u>	predictions.	Links to prior learning
	Recognising technology in school and	Choosing appropriate tools in a program to		
	using it responsibly.	create art.	Pictograms	Using a computer to create and format
			Collecting data in tally charts and using	text, before comparing to writing non-
			attributes to organise and present data on	digitally.
			a computer.	

	Summer 2		
	Growing – What is growing all around		
nelp	<u>us?</u>		
	BUSY BODIES		
	Summary		
ery	Explore and learn about parts of the body, growth and movement. By creating simple algorithms to form a routine of movements.		
ants	How easy is it to fly? History/Science		
	Programming R		
	Summary		
	Programming animations		
	Designing and programming the movement		
	of a character on screen to tell stories.		
	Links to prior learning		
	Barefoot Computing EYFS curriculum		
n	which develops computational thinking.		
a.			
0			
?	How do we know where we are? Map		
Y	Makers Geography		
	Programming B		
	Summary		
	· ·		
a	<b>Programming quizzes</b> Designing algorithms and programs that use events to trigger sequences of code to make an interactive quiz.		
	Links to prior learning		
	Designing and programming the movement of a character on screen to tell stories.		

			Links to prior learning Writing short algorithms and programs for floor robots and predicting program outcomes. Exploring object labels, then using them to sort and group objects by properties.		
3	Early civilisations- How did they influence our lives today? History Computing systems & networks Summary Connecting computers Identifying that digital devices have inputs, processes, and outputs, and how devices can be connected to make networks. Links to prior learning Identifying IT and how its responsible use improves our world in school and beyond.	How does Great Britain fit in Europe? History/Geography Creating media Summary Stop-frame animation Capturing and editing digital still images to produce a stop frame animation that tells a story. Links to prior learning Capturing and changing digital photographs for different purposes.	What did the Romans ever do for us? History   Programming A & Data & information   Summary   Sequencing sounds Creating sequences in a block-based programming language to make music.   Branching databases Building and using branching databases to group objects using yes/no questions.   Links to prior learning   Creating and debugging programs and using logical reasoning to make predictions.   Collecting data in tally charts and using attributes to organise and present data on a computer.	Why Africa is a continent and what is significant about its history? History/Geography   Creating media   Summary   Desktop publishing   Creating documents and modifying text, images and page layouts for a specific purpose.   Links to prior learning   Using a computer to create and format text.	Wh Ever Writi rang actio Desi use o mak

<u>l what is</u> pry?	What were the greatest inventions and achievements of the Ancient Egyptians? History
	Programming B
	Summary
na text.	<b>Events &amp; actions in programming</b> Writing algorithms and programs that use a range of events to trigger sequences of
ecific	actions.
pecific	actions. Links to prior learning

4	Why did the Anglo-Saxons and Scots	How has the River Humber affected life	Why did the Vikings and Anglo-Saxons	What makes the Earth Angry?	What happened to the Mayans?
	want to settle in Britain? History	in our area? Geography/ Science	battle for Britain? History	Geography/ Science	History
	Computing systems & networks	Creating media	Programming A	Creating media	Programming B
	Summary	<u>Summary</u>	Data & information	<u>Summary</u>	<u>Summary</u>
	The internet   Recognising that the internet is a network of networks including the WWW and why we should evaluate online content.   Links to prior learning   Designing algorithms and programs that use events to trigger sequences of code to make an interactive quiz.	Audio production Capturing and editing audio to produce a podcast, ensuring that copyright is considered. <u>Links to prior learning</u> Capturing and editing digital still images to produce a stop frame animation that tells a story.	SummaryRepetition in shapesUsing a text-based programming language to explore count-controlled loops when drawing shapes.Data logging Recognising how and why data is collected over time, before using data loggers to carry out an investigation.Links to prior learning Creating sequences in a block-based	Photo editingManipulating digital images and reflecting on the impact of the changes and whether the required purpose is fulfilled.Links to prior learningCreating documents and modifying text, images and page layouts for a specific 	Repetition in games   Using a block-based programming   language to explore count-controlled and   infinite loops when creating a game.   Links to prior learning   Writing algorithms and programs that use a   range of events to trigger sequences of   actions.
5	What is significant about Kingston Upon Hull? Local history including slavery) History	<u>How do rivers differ?</u> Creating media	programming language to make music.   Building and using branching databases to group objects using yes/no questions.   How has the Victorian period affected our lives? History   Programming A	How can we make £5 blossom? Local industry/ enterprise Creating media	How has Ancient Greece changed the world? History Programming B
	Computing systems & networks Summary Systems & searching Recognising IT systems in the world and how some can enable searching on the internet. Links to prior learning Recognising that the internet is a network of networks including the WWW and why we should evaluate online content.	Summary <u>Video production</u> Planning, capturing, and editing video to produce a short film. <u>Links to prior learning</u> Capturing and editing audio to produce a podcast, ensuring that copyright is considered.	& Data & information Summary Selection in physical computing Exploring conditions and selection using a programmable microcontroller. Flat-file databases Using a database to order data and create charts to answer questions. Links to prior learning Recognising how and why data is collected over time, before using data loggers to carry out an investigation.	Summary Introduction to vector graphics Creating images in a drawing program by using layers and groups of objects. <i>Links to prior learning</i> Manipulating digital images.	Summary Selection in quizzes Exploring selection in programming to design and code an interactive quiz. Links to prior learning Designing algorithms and programs that use events to trigger sequences of code to make an interactive quiz.

6	Why should rainforests be important to us all? Geography	Who did WW2 impact our local area? History	How did WW2 impact the local area? History	What will our coast look like in 20 ye
	Computing systems & networks	Creating media	Programming A	Data & information
	Communication & collaboration	<u>Summary</u>	<u>Summary</u>	Creating media
	Exploring how data is transferred by working collaboratively online	Webpage creation	Variables in games	<u>Summary</u>
	Links to prior learning	consideration to copyright, aesthetics and navigation.	coding a game.	<b><u>3D modelling</u></b> Planning, developing, and evaluation 3I
	Recognising IT systems in the world and	Links to prior learning	Introduction to spreadsheets Answering questions by using	computer models of physical objects.
	how some can enable searching on the internet.	Creating documents and modifying text,	spreadsheets to organise and calculate data.	<u>Links to prior learning</u>
		purpose.	Links to prior learning	using layers and groups of objects.
			Using a block-based programming language to explore count-controlled and	
			infinite loops when creating a game.	
			Using a database to order data and create charts to answer questions.	

<u>ars'</u>	How will the Humber go carbon neutral? Geography/ Science		
	Programming B		
	Summary		
h	Sensing movement Designing and coding a project that captures inputs from physical devices.		
	Links to prior learning		
бу	Exploring conditions and selection using a programmable microcontroller.		