Year 2 and Year 3 Curriculum Plan: Two Year Cycle (2020 – 2021/ 2021 – 2022)

Cycle 1 2020-21	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Geography		**Our World – Europe Overview -** The purpose of this unit is to develop the children's knowledge of the country we live in with a focus on our coastal areas. This unit will aim to teach the children about the human and physical features of our coastline, to understand how erosion occurs and its effects and to compare two coastal areas. The children will also develop an understanding of how close we are to the cost and the vast amount of coastal areas, towns, places to visit there are in East Anglia.		**Local Study – Tour of Wortham Overview –** The aim of this unit is for the children to gain a deeper and wider knowledge of their locality (of school). The learning will work towards creating a tour around our local village of Wortham. The children will need to identify the human and physical features of the village using simple fieldwork skills and mapwork.		
History	**Engineering – Titanic Overview –** The aim of this unit is for the children to				**Event – The Gunpowder Plot Overview -** The aim of this unit is for the	

	understand the significance of an event beyond living memory – The Titanic. The children will begin by learning how we know about The Titanic, focusing on developing skills. The children will learn about why the ship and its story is so famous. The children will begin by learning about the ship itself – why it was built and why it was thought to be 'unsinkable' The children will move on to learn about its' journey and of the people and life on board. Finally, we learn about why and how the ship sunk and the impact it has had since.				children to understand how events of the past impacted on life in Britain today and how and why people in the past acted as they did. By the end of the unit, the children will have an in depth knowledge and understanding of the Gunpowder Plot. The children will be taught about what life was like in 1605; how King James 1 made laws against people who were Catholics and the impact this had on those people. They will know the story of the Gunpowder plot itself and the consequences of it being uncovered.	
English	Writing Genres will be taken from the Long Term Genre Progression document and will depend on the children needs and interests. Genres will be taken from this list. Narrative – Character Description, Setting Description, Adventure story, Dilemma story, Twisted Traditional Tales, Fables, Stories from other Cultures/Countries , Legends Non Fiction – Instructions, Recount (Letter, diary), Non-Chronological report, Review (book, film, product), Persuasive Poetry - Free Verse – Description / Narrative, Riddle, Shape, Rhyming, Kennings						
Guided Reading	High quality texts are found half termly that inspire the children.						

SPAG (Year 2)	Capital Letters and Full Stops Expanded Noun Phrases Sentence Types – Intro (inc. punctuation) Introduce conjunctions – co-ordinating	Sentence types (including punctuation) Text – Present and Past Tense, use of the progressive form of verbs in the present and past Use of a/an Commas in a list	Conjunctions – subordinating Headings and Sub-heading Paragraphs Choose nouns and pronouns appropriately for clarity and avoid repetition.	Verbs and Adverbs Conjunctions	Applying skills and techniques previously taught	Applying skills and techniques previously taught
SPAG (Year 3)	Capital Letters and Full Stops - editing longer pieces of texts which include conjunctions. Revise Expanded Noun Phrases Revise Sentence Types and use the correct punctuation Conjunctions – Co-ordinating and Subordinating (subordinate clause)	Revise Sentence Types and use the correct punctuation Text – Use of present perfect Use of a/an Revise commas in a list Adverbs – to express time, place and cause	Conjunctions – to express time, place and cause Headings and Sub-heading Paragraphs Choose nouns and pronouns appropriately for clarity and avoid repetition.	Use of adverbs to describe Prepositions to express time, place and cause Inverted commas to show direct speech (including punctuation)	Applying skills and techniques previously taught	Applying skills and techniques previously taught
Maths (Year 2)	**Place Value** Number Bonds to 10, extend to number bonds to 20 Partitioning – tens and ones Place value Additions - 100 square Compare and order numbers up to 100 and Use < = > Problem solving –	**Place Value/Number** Counting patterns / sequences (2,5,10) **Addition & Subtraction** Number bonds to 20 (Addition and Subtraction) Using number bonds to 10 to find number facts to 100.	**Geometry** Identify and describe the properties of 3D shapes, identify 2D shapes on the surface of 3D shapes. Compare and sort 2D and 3D shapes and everyday objects. **Fractions** Count in fractions up to	**Measure** Compare and sequence intervals of time. Tell and write the time to the nearest 5 mins **Fractions** Fractions of money / quantities Equivalent fractions	**Measure** Find different combinations of the same amount Solve simple problems involving addition and subtraction of money of the same unit. Giving Change Choose and use standard units to estimate and measure	**Multiplication & Division** Revise multiplication and division –(inverse and commutive) **Measure** Revision of key areas **Addition & Subtraction** Column Addition and

	more than / less than / in between. **Addition & Subtraction** Add and Subtract Multiples of 10 (30 + 20) Add and Subtract 10 to and from a given number. Mentally Add and Subtract 2 digit and 1 digit numbers Investigate commutativity in addition / subtraction Fact Families – Bar Model Problem Solving – Missing number sentences, how many more does he need / which calculations are correct. Balancing Number Sentences **Measures** Using a ruler Estimate and Measure the length of objects in cm and m. Compare and order lengths and record	Adding and subtracting two 2 digit numbers Using Numicon, Number line and ENL. PV **Multiplication** Introduce x sign Solve multiplication sums using drawings Relate multiplication to repeated addition and record the repeated addition. Introduce multiples Commutativity **Division** Introduce the ÷ symbol Solve division sums using by sharing and grouping Solve division sums by grouping Division cannot be done in any order Odd and Even **Measure** Recognise denominations of coins – use symbols for £ and p	10. To recognise the equivalence of ½ and 2/4 To find 2/4 and ¾ of shapes and quantities. **Number/Place Value** Reading and writing numbers to 100 in words and numerals. Identify, represent, estimate numbers (number line) Number sequences / patterns Rounding and estimating **Addition and Subtraction** Adding and subtracting 3 numbers (known no facts) Inverse – using to check answers, find fact families and missing number sentences **Statistics** Interpret and construct Block diagrams Ask and answer simple questions by totalling and comparing categorical data.	**Number/Place value** Place Value – different representations / additions **Addition and Subtraction** Adding and subtracting two 2-digit numbers – partitioning Problem Solving / missing number sentences – bar model **Multiplication and Division** Multiplication – solve sums using arrays Solve multiplication sums (link to counting in 2's, 5's and 10's) Multiples (always, sometimes, never) Division – revise grouping and sharing. Solve division sums (link to how many 2's, 5's or 10's are in that number) Create fact families / show the inverse Problem Solving questions	temperature to the nearest unit using thermometers. Choose and use standard units to estimate and measure capacity to the nearest unit using measuring vessels. **Multiplication & Division** Arrays Multiplication – mental methods Multiplication Problem Solving Division – mental methods Problem Solving and remainders Missing number problems **Addition & Subtraction** Revise methods for addition Revise methods for subtraction Using the inverse to check answers Subtraction – Finding the difference	Subtraction **Fractions** Revise the key areas the children need **Geometry** Revise the key areas the children need

	using < = > **Statistics** Interpret and Construct Simple pictograms and tally charts Ask and answer simple questions by counting the no of objects in each category and sorting the categories by quantity. **Geometry** Recognise, Identify and Describe 2D Shapes (inc. quadrilaterals and polygons) Recognise the line of symmetry in a vertical line. **Multiplication and Division** Doubling up to 10 and Halving up to 20 – practically and recalling	Adding combinations of coins Revise telling the time to o'clock and half past Tell the time to the nearest quarter of an hour. (write and draw the time) *Problem solving – what's the time in an hour…* Know the number of mins in an hour and hours in a day **Fractions** Introduce written fractions: ½ ¼ ¾ 1/3 Find fractions of objects (1/2 and ¼) Colour fraction of shape	**Measure** Choose and use appropriate standard units to estimate and measure mass (Kg/g) using scales Order and compare mass using < = >	**Geometry** Turns – by applying rotations – clockwise etc. right angles		
Maths (Year 3)	**Place Value** Number bonds to 10, 20 and 100 Place Value: Revise alternative ways to partition (e.g. 45 = ? +	**Place Value/Number** Counting patterns / sequences **Addition & Subtraction**	**Geometry** Identify and describe the properties of 3D shapes, Make 3D shapes Recognise 3D shapes in different orientations and	**Measure** Tell and write the time from an analogue clock, and 12 and 24 hour clock (digit clocks)	**Measure** Giving change Comparison of measures includes simple scaling by integers (e.g. given a	**Multiplication & Division** Multiplication – 2 digit x 1 digit Expanded method of division

	15) Partitioning - hundreds, tens and ones Place Value Additions - 100 square and beyond Compare and order numbers up to 1000 and Use < = > Problem solving more/less and working with 3 digit numbers and with PV add/subtract ones, tens and hundreds from a 3 digit number. **Addition & Subtraction** Add and Subtract Multiples of 10 and 100 (925-200, 785-50) and near multiples. Add and Subtract 100 to and from a given number. Estimate and use the inverse to check the answer Problem solving – Missing number sentences, how many are left? / which	Revise number bonds (20 and 100 including pairs of numbers which total 100) Add and subtract two 3 digit numbers using expanded method columnar expanded method **Multiplication** Revise methods for solving multiplication sums (double, counting in threes, fives or tens) Solve multiplication word problems Revise and identify multiples. Solve x sums with a two and one-digit number **Division** Revise methods for dividing (halving, how may threes, fives or tens are there in the number) See division as repeated subtraction on a number line Solve division word problems – test base.	describe them. **Fractions** Counting in fractions & Fractions on a number line Tenths - count up and down in tenths, recognise tenths arise from diving an object into 10 equal parts and dividing one-digit numbers or quantities by ten. Decimals **Number/Place Value** Reading and writing numbers to 1000 in words and numerals. Identify, represent, estimate numbers (number line) Rounding **Addition and Subtraction** Adding and subtracting 3 numbers Inverse – using to check answers, find fact families and missing number sentences **Statistics**	**Fractions** Finding fractions of a set / quantity & Problem solving Equivalent Fractions Compare Fractions Ordering fractions with the same denominator & Order decimals **Number/Place value** Place Value – different representations **Addition and Subtraction** Addition and subtraction with number up to 3 digits columnar method Problem solving / missing number sentences – bar model **Multiplication and Division** Division and remainders Multiplication – two and one digit numbers using written method	measure / quantity – find twice the amount, 5 times as high) Link to multiplication Measure, compare, add and subtract volume/capacity Compare and use mixed units (1k 200g) and simple equivalents of mixed units (5m = 500cm) **Multiplication & Division** Solve problems including missing number problems and correspondence problems in which n objects are connected to m objects **Addition & Subtraction** Missing Number sentences Place Value Additions / different combinations (3 digit numbers)	**Measure** Revision of key areas **Number** Roman Numerals **Addition & Subtraction** Adding 1,2, and 3 digit numbers to a 3 digit number (PV) Missing number sentences and column subtractions. Subtracting 1,2, and 3 digit numbers to a 3 digit number (PV) Missing number sentences and column additions. Inverse for checking answers **Fractions** Adding and Subtracting fractions with the same denominator within 1 whole. Revise decimals Finding a fraction of… (8 sunflowers seeds, only 5 grow, what

	calculations are correct? Two-step questions **Measures** Using a ruler – (mm) Measure, compare, add add and subtract the length of objects in mm, cm and m. Problem solving with length – what's the missing length? **Statistics** Interpret and present data using pictograms and tables. Solve one step and two steps questions using information presented in scaled pictograms and tables **Geometry** Draw 2D shapes and sort. Regular and Irregular shapes. Recognise and draw the lines of symmetry, recognise which shapes are and are not symmetrical **Multiplication &**	Use questions which require diving by 4 – relate to 4x table facts to help solve these questions. Use triangular multiplication and division cards Missing number sentences with x and division Odd and Even **Measure** Fluency in recognising value of coins Add and subtract amounts, including mixed units Problem solving Revise telling the time to nearest 5 minutes. Problem solving – time durations. Know the number of seconds in a minute, days in a month, year & Leap Year Estimate & Read time to nearest minute, record and compare time in secs, mins, hours. Use key vocab	Interpret and present data using Bar charts (scales in 2,5,10) Solve one-step and two-step questions using information presented in scaled bar charts **Measure** Measure, compare, add and subtract mass (Kg/g)	(74 x 8) short multiplication Division two and one digit numbers – written method short division Solve multiplication and division problems **Geometry** Recognise angles as a property of shape Or description of a turn Identify right angles, link to turns Know if angles are greater than or less than a right angle.		fraction of the seeds grew?) Sharing One. **Geometry** Perimeter of 2D Shapes Identify Perpendicular & Parallel Lines

	Division Doubling and Halving – recall facts Working out how to double and halve 2 digit numbers up to 100 Revise 2x, 3x, 5x and 10x table.	**Fractions** Making a whole Revise fraction of shape / recognise and show using diagrams (number line and shapes) equivalent fractions and non – unit fractions with the same denominator. Revise simple fractions on a number line Fifths (1/5 2/5 4/5) Fractions of a number (including fifths)				
Science	**Survival** **Overview -** The aim of this unit is for the children to develop an understanding of animals, including humans and how we grow, develop and survive. The children will look in more detail to the stages of n animals and humans life, patterns in humans and what we need to survive which includes understanding the difference between	**What are you made of?** **Overview -** The aim of this unit is for children to extend their understanding of animals and humans. The children's learning will focus on the different structures of animals and the impact this has on how they move. The children will learn about skeletons and muscles and the functions that these	**Hearing Things** **Overview –** The aim of this unit is to introduce children to the concept of sound and for them to begin to develop a basic understanding of how we hear sound and how sound travels. Children will relate sounds to their sense of hearing and understand that sounds travels away from a source.		**Material World** **Overview –** The aim of this unit is to extend upon the children's existing knowledge of materials and deepen their understanding about properties of given materials and their suitability for various purposes. The unit is linked to 'It Makes a Change' which is to be taught after this unit. **It makes a Change** **Overview –**	**Magnificent Magnets** **Overview –** The aim of this unit is for children to extend their knowledge of forces and be introduced to magnets. They will compare how things move on different surfaces and notice that some forces need contact between two objects, but magnetic forces can act at a distance. The children will observe how magnets attract or repel each

	'want' and 'need'. The children will continue and develop their understanding of hygiene, how to eat healthily and the importance of exercise.	have. The children will deepen their understanding about eating healthily by learning about nutrition and nutrients what they provide humans with. The children will also have the opportunity to compare human and animal diets.			The aim of this unit is to continue to develop children's understanding of materials. During this unit the children will move onto exploring how materials can change, including reversible and irreversible changes.	other and attract some materials and not others compare and group together a variety of everyday materials on the basis of whether they are attracted to a magnet, and identify some magnetic materials. The children will be able to describe magnets as having two poles and be able to predict whether two magnets will attract or repel each other, depending on which poles are facing.
Music - Charanga		**Singing** **Overview -** The children will be learning our Christmas Nativity Songs.		**I Wanna Play in a Band** **Overview -** This unit of work will provide the children the opportunity to learn about Rock music. They will spend the six weeks learning one song – 'I Wanna Play in a Band' in depth and will compare this song to five other well-known Rock songs. The children will learn	**Three Little Birds** **Overview –** In this unit, the children's learning will be focused around Reggae music, specifically the song 'Three Little Birds' by Bob Marley. They will listen and appraise other songs in the same style and will learn about the key elements of Reggae music (e.g. laid-back style). The children	

				to sing the song 'I Wanna Play in a Band' and will appraise this, and the other five Rosk songs, using correct musical vocabulary. The children will learn how to recognise when a piece of music is in the style of 'Rock'. They will also learn about key artists which include Queen, Deep Purple, Status Quo, Chuck Berry and The Beatles.	will learn one key song and use this to improvise and compose.	
PHSE Jigsaw	**Being Me** **Overview –** Helping others to feel welcome Trying to make our school community a better place Think about everyone's right to learn Care about others feelings Work well with others Choose to follow the learning charter	**Celebrating Difference** **Overview –** Accept that everyone is different Include others when working and playing Know how to help if someone is being bullied Try to solve problems Try to use kind words Know how to give and receive compliments	**Dreams & Goals** **Overview –** Stay motivated when doing something challenging Keep trying even when it is difficult Work well with a partner or group Have a positive attitude Help others to achieve their goals Work hard to achieve their own dreams and goals	**Healthy Me** **Overview –** Make a healthy choice Have a healthy, balanced diet Be physically active Keep themselves and others safe Know how to be a good friend and enjoy healthy relationships Know how to keep calm and deal with difficult situations	**Relationships** **Overview –** Know how to make friends Try to solve friendship problems when they occur Help others to feel part of a group Show respect in how others are treated Know how to help themselves and others when they feel upset or hurt Know and show what makes a good relationship	**Changing Me** **Overview –** Understand that everyone is unique and special Can express how they feel when change happens Understand and respect the changes they see in themselves and in other people Know who to ask for help if they are worried about change To learn to look forward to change

French – following Following Rigolo 1, Units 7-12	**Unit 7: Encore!** Learning through a combination of activities, games and songs. Revise ways of describing people. Revise ways of describing people. Describe someone's nationality. Describe people using various adjectives. Project work: Describing someone	**Unit 8: Quelle heure est-il?** Learning through a combination of activities, games and songs. Talk about activities. Tell the time. Talk about what time you do activities. Project work: Finding out about famous French people	**Unit 9: Les fêtes** Learning through a combination of activities, games and songs. Talk about festivals and dates. Talk about presents at festivals. Count from 31–60. Give and understand instructions. Project work: Festivals	**Unit 10: Où vas-tu?** Learning through a combination of activities, games and songs. Talk about going to French cities. Give and understand basic directions. Talk about the weather. Talk about the weather and places in France. Project work: Une ville française	**Unit 11: On mange!** Learning through a combination of activities, games and songs. Go shopping for food. Ask how much something costs. Talk about activities at a party. Give opinions about food and various activities. Project work: La nourriture en France	**Unit 12: Le cirque** Learning through a combination of activities, games and songs. Discuss francophone countries. Discuss the languages we speak. Identify different items of clothing. Describe items of clothing . Project work: Un pays francophone
Computing - Purple Mash	Unit 1.1 Online Safety & Exploring Purple Mash Unit 1.5 Maze Explorers Using 2Go	Unit 2.4 Questioning Using 2Question 2Investigate	Unit 1.6 Animated Story Books Using 2Create A Story	Unit 2.7 Making Music Using 2Seqeunce	Unit 2.3 Spreadsheets Using 2Calculate Unit 1.3 Pictograms Using 2Count	Unit 2.1 Coding Using 2Code Unit 2.2 Online Safety
Religious Education Emmanuel Project UKS2		Christianity What do Christians mean when they talk about the Kingdom of God?		Hinduism Why does a Hindu want to collect good karma? How does the story of Rama and Sita inspire Hindus to follow their dharma?		Christianity How does believing Jesus is their saviour inspire Christians to save and serve others? Why do Christians believe they are people on a mission?
Art		**Pattern – Sarah Morris**				**Drawing & Colour - Still Life**

		Overview – The aim of this unit is for the children to be able to identify and create patterns. Children will identify patterns in their environment both natural and manmade. The children will study the artwork of Sarah Morris and will use her methods to create their own patterned artwork on a variety of media.				**Overview -** The aim of this unit is for the children to develop their observation skills and ability to draw what they see. They will develop skills in sketching, linking what they see to shapes and how they overlap. We will challenge the children to consider proportion and perspective in their drawings. The children will experiment with shading and colour and then apply this learning into their drawings.
Design Technology			**Cooking – Scone or scone?** **Overview -** The aim of this unit of work is for the children to learn the origin of the scone; to learn the basic recipe; to evaluate existing scones and to be able to apply this knowledge to create their own scone recipe by adding their own ingredient to the basic recipe.	**Levers & Axels – Making a moving vehicle** **Overview –** The aim of this unit is to for the children to learn how wheels and axles work, to evaluate existing moving to evaluate existing products and to apply this knowledge to design and make their own moving vehicle.		

P.E.	**Multiskills – Throwing and Catching** **Overview –** The aim of this unit of work is for the children to develop their ability to throw accurately to catch consistently. The children will learn the techniques to be able to throw accurately at a target. They will also learn different types of throws and passes.	**Multiskills – Balance and Coordination** **Overview –** The aim of this unit is for the children to develop their ability to balance and to coordinate their movements. They will learn the different types of balances and will take part in a variety of activities which will develop their coordination and agility skills.	**Dance – Tiddalick** **Overview -** This unit of dance is linked to the story of 'Tiddalick'. Children link animals to movements, creating a motif and work together to create a retelling of the story through dance.	**Netball** **Overview -** The aim of this unit is for children to learn the four passes of netball (chest, bounce, shoulder and overhead), with correct footwork. Children will practice aiming and shooting into a hoop. These skills will be applied in partner, group, and team games. Skills of balance, co-ordination, and agility will be revisited.	**Athletics – Field Events** **Overview –** The aim of this unit is to develop knowledge and skills of the field events of jumping and throwing. This unit will focus on long jump and beanbag & vortex throwing. Children will have the opportunity to practice these events individually but also play in group games.	**Tennis** **Overview –** At Wortham Primary School, Tennis is taught be a qualified Tennis coach.

Cycle 2 – 2021-2022	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Geography		**Natural World – Peaks of the world** **Overview** - The aim of this unit is to develop children's knowledge of the key peaks across the world which will include mountains and volcanoes. The children will be able to locate these and understand what mountains and volcanoes are and the effects of volcanoes.		**Great Britain – Coast to Coast** **Overview –** The purpose of this unit is to develop the children's knowledge of the country we live in with a focus on our coastal areas. This unit will aim to teach the children about the human and physical features of our coastline, to understand how erosion occurs and its effects and to compare two coastal areas. The children will also develop an understanding of how close we are to the cost and the vast amount of coastal areas, towns, places to visit there are in East Anglia.		
History	**Individual – Explorers** **Overview -** The aim of this unit of work is to provide the children with knowledge of				**Civilisations – Victorians** **Overview -** To aim of this unit is for the children to know that life wasn't the same	

	significant individuals who have had national and international achievements. We will focus on famous explorers, who have explored new lands, mountains, underwater, flight and space. They will develop an understanding of the significance of these achievements; the characteristics these people must have had to carry out these expeditions and when they took place. The children will also establish an understanding of the many ways we can find out about what happened in the past.				and to understand how life has changed over the last 100 years. We will focus on what was life was like for children of the same age as them; what Queen Victoria was like and the significant things that happened when she was Queen.	
English	Writing Genres will be taken from the Long Term Genre Progression document and will depend on the children needs and interests. Genres will be taken from this list. Narrative – Character Description, Setting Description, Adventure story, Dilemma story, Twisted Traditional Tales, Fables, Stories from other Cultures/Countries , Legends Non Fiction – Instructions, Recount (Letter, diary), Non-Chronological report, Review (book, film, product), Persuasive Poetry - Free Verse – Description / Narrative, Riddle, Shape, Rhyming, Kennings					
Guided reading	High quality texts are found half termly that inspire the children.					
SPAG (Year 2)	Capital Letters and Full Stops Expanded Noun Phrases	Sentence types (including punctuation) Text – Present and Past Tense, use of the	Conjunctions – subordinating Headings and Sub-heading	Verbs and Adverbs Conjunctions	Applying skills and techniques previously taught	Applying skills and techniques previously taught

	Sentence Types – Intro (inc. punctuation) Introduce conjunctions – co-ordinating	progressive form of verbs in the present and past Use of a/an Commas in a list	Paragraphs Choose nouns and pronouns appropriately for clarity and avoid repetition.			
SPAG (Year 3)	Capital Letters and Full Stops - editing longer pieces of texts which include conjunctions. Revise Expanded Noun Phrases Revise Sentence Types and use the correct punctuation Conjunctions – Co-ordinating and Subordinating (subordinate clause)	Revise Sentence Types and use the correct punctuation Text – Use of present perfect Use of a/an Revise commas in a list Adverbs – to express time, place and cause	Conjunctions – to express time, place and cause Headings and Sub-heading Paragraphs Choose nouns and pronouns appropriately for clarity and avoid repetition.	Use of adverbs to describe Prepositions to express time, place and cause Inverted commas to show direct speech (including punctuation)	Applying skills and techniques previously taught	Applying skills and techniques previously taught
Maths (Year 2)	**Place Value** Number Bonds to 10, extend to number bonds to 20 Partitioning – tens and ones Place value Additions - 100 square Compare and order numbers up to 100 and Use < = > Problem solving – more than / less than / in between. **Addition &**	**Place Value/Number** Counting patterns / sequences (2,5,10) **Addition & Subtraction** Number bonds to 20 (Addition and Subtraction) Using number bonds to 10 to find number facts to 100. Adding and subtracting two 2 digit numbers Using Numicon, Number line and ENL.	**Geometry** Identify and describe the properties of 3D shapes, identify 2D shapes on the surface of 3D shapes. Compare and sort 2D and 3D shapes and everyday objects. **Fractions** Count in fractions up to 10. To recognise the equivalence of ½ and 2/4	**Measure** Compare and sequence intervals of time. Tell and write the time to the nearest 5 mins **Fractions** Fractions of money / quantities Equivalent fractions **Number/Place value** Place Value – different representations / additions	**Measure** Find different combinations of the same amount Solve simple problems involving addition and subtraction of money of the same unit. Giving Change Choose and use standard units to estimate and measure temperature to the nearest unit using thermometers.	**Multiplication & Division** Revise multiplication and division –(inverse and commutive) **Measure** Revision of key areas **Addition & Subtraction** Column Addition and Subtraction **Fractions** Revise the key areas

	Subtraction Add and Subtract Multiples of 10 (30 + 20) Add and Subtract 10 to and from a given number. Mentally Add and Subtract 2 digit and 1 digit numbers Investigate commutativity in addition / subtraction Fact Families – Bar Model Problem Solving – Missing number sentences, how many more does he need / which calculations are correct. Balancing Number Sentences **Measures** Using a ruler Estimate and Measure the length of objects in cm and m. Compare and order lengths and record using < = > **Statistics** Interpret and Construct Simple pictograms and	PV **Multiplication** Introduce x sign Solve multiplication sums using drawings Relate multiplication to repeated addition and record the repeated addition. Introduce multiples Commutativity **Division** Introduce the ÷ symbol Solve division sums using by sharing and grouping Solve division sums by grouping Division cannot be done in any order Odd and Even **Measure** Recognise denominations of coins – use symbols for £ and p Adding combinations of coins Revise telling the time to o'clock and half past Tell the time to the nearest quarter of an	To find 2/4 and ¾ of shapes and quantities. **Number/Place Value** Reading and writing numbers to 100 in words and numerals. Identify, represent, estimate numbers (number line) Number sequences / patterns Rounding and estimating **Addition and Subtraction** Adding and subtracting 3 numbers (known no facts) Inverse – using to check answers, find fact families and missing number sentences **Statistics** Interpret and construct Block diagrams Ask and answer simple questions by totalling and comparing categorical data.	**Addition and Subtraction** Adding and subtracting two 2-digit numbers – partitioning Problem Solving / missing number sentences – bar model **Multiplication and Division** Multiplication – solve sums using arrays Solve multiplication sums (link to counting in 2's, 5's and 10's) Multiples (always, sometimes, never) Division – revise grouping and sharing. Solve division sums (link to how many 2's, 5's or 10's are in that number) Create fact families / show the inverse Problem Solving questions **Geometry** Turns – by applying rotations – clockwise etc. right angles	Choose and use standard units to estimate and measure capacity to the nearest unit using measuring vessels. **Multiplication & Division** Arrays Multiplication – mental methods Multiplication Problem Solving Division – mental methods Problem Solving and remainders Missing number problems **Addition & Subtraction** Revise methods for addition Revise methods for subtraction Using the inverse to check answers Subtraction – Finding the difference	the children need **Geometry** Revise the key areas the children need

	tally charts Ask and answer simple questions by counting the no of objects in each category and sorting the categories by quantity. **Geometry** Recognise, Identify and Describe 2D Shapes (inc. quadrilaterals and polygons) Recognise the line of symmetry in a vertical line. **Multiplication and Division** Doubling up to 10 and Halving up to 20 – practically and recalling	hour. (write and draw the time) *Problem solving – what's the time in an hour…* Know the number of mins in an hour and hours in a day **Fractions** Introduce written fractions: ½ ¼ ¾ 1/3 Find fractions of objects (1/2 and ¼) Colour fraction of shape	**Measure** Choose and use appropriate standard units to estimate and measure mass (Kg/g) using scales Order and compare mass using < = >			
Maths (Year 3)	**Place Value** Number bonds to 10, 20 and 100 Place Value: Revise alternative ways to partition (e.g. 45 = ? + 15) Partitioning - hundreds, tens and ones Place Value Additions - 100 square and	**Place Value/Number** Counting patterns / sequences **Addition & Subtraction** Revise number bonds (20 and 100 including pairs of numbers which total 100) Add and subtract two 3	**Geometry** Identify and describe the properties of 3D shapes, Make 3D shapes Recognise 3D shapes in different orientations and describe them. **Fractions** Counting in fractions &	**Measure** Tell and write the time from an analogue clock, and 12 and 24 hour clock (digit clocks) **Fractions** Finding fractions of a set / quantity & Problem solving Equivalent Fractions	**Measure** Giving change Comparison of measures includes simple scaling by integers (e.g. given a measure / quantity – find twice the amount, 5 times as high) Link to multiplication Measure, compare, add	**Multiplication & Division** Multiplication – 2 digit x 1 digit Expanded method of division **Measure** Revision of key areas

	beyond Compare and order numbers up to 1000 and Use < = > Problem solving more/less and working with 3 digit numbers and with PV add/subtract ones, tens and hundreds from a 3 digit number. **Addition & Subtraction** Add and Subtract Multiples of 10 and 100 (925-200, 785-50) and near multiples. Add and Subtract 100 to and from a given number. Estimate and use the inverse to check the answer Problem solving – Missing number sentences, how many are left? / which calculations are correct? Two-step questions **Measures** Using a ruler – (mm) Measure, compare, add add and subtract	digit numbers using expanded method columnar expanded method **Multiplication** Revise methods for solving multiplication sums (double, counting in threes, fives or tens) Solve multiplication word problems Revise and identify multiples. Solve x sums with a two and one-digit number **Division** Revise methods for dividing (halving, how may threes, fives or tens are there in the number) See division as repeated subtraction on a number line Solve division word problems – test base. Use questions which require diving by 4 – relate to 4x table facts to help solve these questions. Use triangular multiplication and	Fractions on a number line Tenths - count up and down in tenths, recognise tenths arise from diving an object into 10 equal parts and dividing one-digit numbers or quantities by ten. Decimals **Number/Place Value** Reading and writing numbers to 1000 in words and numerals. Identify, represent, estimate numbers (number line) Rounding **Addition and Subtraction** Adding and subtracting 3 numbers Inverse – using to check answers, find fact families and missing number sentences **Statistics** Interpret and present data using Bar charts (scales in 2,5,10) Solve one-step and	Compare Fractions Ordering fractions with the same denominator & Order decimals **Number/Place value** Place Value – different representations **Addition and Subtraction** Addition and subtraction with number up to 3 digits columnar method Problem solving / missing number sentences – bar model **Multiplication and Division** Division and remainders Multiplication – two and one digit numbers using written method (74 x 8) short multiplication Division two and one digit numbers – written method short division Solve multiplication and division problems **Geometry** Recognise angles as a property of shape	and subtract volume/capacity Compare and use mixed units (1k 200g) and simple equivalents of mixed units (5m = 500cm) **Multiplication & Division** Solve problems including missing number problems and correspondence problems in which n objects are connected to m objects **Addition & Subtraction** Missing Number sentences Place Value Additions / different combinations (3 digit numbers)	**Number** Roman Numerals **Addition & Subtraction** Adding 1,2, and 3 digit numbers to a 3 digit number (PV) Missing number sentences and column subtractions. Subtracting 1,2, and 3 digit numbers to a 3 digit number (PV) Missing number sentences and column additions. Inverse for checking answers **Fractions** Adding and Subtracting fractions with the same denominator within 1 whole. Revise decimals Finding a fraction of… (8 sunflowers seeds, only 5 grow, what fraction of the seeds grew?) Sharing One. **Geometry** Perimeter of 2D

	the length of objects in mm, cm and m. Problem solving with length – what's the missing length? **Statistics** Interpret and present data using pictograms and tables. Solve one step and two steps questions using information presented in scaled pictograms and tables **Geometry** Draw 2D shapes and sort. Regular and Irregular shapes. Recognise and draw the lines of symmetry, recognise which shapes are and are not symmetrical **Multiplication & Division** Doubling and Halving – recall facts Working out how to double and halve 2 digit numbers up to 100 Revise 2x, 3x, 5x and 10x table.	division cards Missing number sentences with x and division Odd and Even **Measure** Fluency in recognising value of coins Add and subtract amounts, including mixed units Problem solving Revise telling the time to nearest 5 minutes. Problem solving – time durations. Know the number of seconds in a minute, days in a month, year & Leap Year Estimate & Read time to nearest minute, record and compare time in secs, mins, hours. Use key vocab **Fractions** Making a whole Revise fraction of shape / recognise and show using diagrams (number line and shapes) equivalent fractions and non –unit fractions with the same	two-step questions using information presented in scaled bar charts **Measure** Measure, compare, add and subtract mass (Kg/g)	Or description of a turn Identify right angles, link to turns Know if angles are greater than or less than a right angle.		Shapes Identify Perpendicular & Parallel Lines

		denominator. Revise simple fractions on a number line Fifths (1/5 2/5 4/5) Fractions of a number (inc. fifths)				
Science	**Eco Detectives** **Overview –** In this unit, children will learn about the diversity of habitats on the Earth. They will explore how living things have adapted to them in terms of body forms, life cycles and behaviours. Children will look at wildlife in their local area as well as in a nearby reserve. They will learn about the role humans can play for good and bad in terms of their impact on the environment.	**Its Electrifying** **Overview –** The aim of this unit is for the children will learn about where electricity comes from, and who discovered it. They will also learn that electricity is important part of our lives and about the dangers of mains electricity. They will construct and label a basic circuit.	**Science Rocks** **Overview –** The aim of this unit is for pupils to explore and name the different kinds of rocks and soils. They will investigate the uses and properties of rocks. Pupils will explore different soils and will identify similarities and differences between them.		**Let there be light** **Overview –** The aim of this unit is for the children to understand what a light source is and to know examples of light sources. Children will learn about sources which are not sources of light. Children will find investigate how light travels and to understand how shadows are formed and how they can change.	**The Secret Life of Plants** **Overview –** The aim of this unit is for the children to further develop their understanding of plants. This includes understanding more parts of the plants and their function, going into further detail about what flowers need to live and grow and the life cycle of a plant including pollination, seed formation and seed dispersal. The children will also learn about how water is transported through the plant.
PHSE Jigsaw Year	**Being Me** **Overview –** Helping others to feel welcome Trying to make our school community a	**Celebrating Difference** **Overview –** Accept that everyone is different Include others when	**Dreams & Goals** **Overview –** Stay motivated when doing something challenging Keep trying even when	**Healthy Me** **Overview –** Make a healthy choice Have a healthy, balanced diet Be physically active	**Relationships** **Overview –** Know how to make friends Try to solve friendship problems when they	**Changing Me** **Overview –** Understand that everyone is unique and special Can express how they

	better place Think about everyone's right to learn Care about others feelings Work well with others Choose to follow the learning charter	working and playing Know how to help if someone is being bullied Try to solve problems Try to use kind words Know how to give and receive compliments	it is difficult Work well with a partner or group Have a positive attitude Help others to achieve their goals Work hard to achieve their own dreams and goals	Keep themselves and others safe Know how to be a good friend and enjoy healthy relationships Know how to keep calm and deal with difficult situations	occur Help others to feel part of a group Show respect in how others are treated Know how to help themselves and others when they feel upset or hurt Know and show what makes a good relationship	feel when change happens Understand and respect the changes they see in themselves and in other people Know who to ask for help if they are worried about change To learn to look forward to change
Music - Charanga		**Singing Overview -** The children will be learning our Christmas Nativity Songs.		**Let your Spirit Fly Overview –** In this unit of work the children will focus on R&B style music (Traditionally -- Rhythm and Blues but today is often used to describe African – American music) which combines Pop, Soul, Funk and Hip Hop. The children will learn the song – Let Your Spirit Fly. They will use this song to compare against other songs of a similar style. The children will learn about key artists which will include Kenneth Alford, Lionel Bart (Oliver!), Marvin Gaye and Barry White.	**Friendship Song Overview –** In this unit of work the children will learn songs about friendship. They will focus their learning on one main song – 'Friendship Song' and then each week listen and appraise another song relating to friendship. These songs include 'Count on Me' (Bruno Mars), We Go Together (Grease), You Give a Little Love (Bugsy Malone), That's What Friends Are For (Gladys Knight, Stevie Wonder, Dionne Warwick and Elton John) and You've Got a	

					Friend (Randy Newman). The children will use their imagination to create their own performance.	
French Following Rigolo 1, Units 1-6	**Unit 1: Bonjour-** Learning through a combination of activities, games and songs. Greet and say goodbye to someone. Ask someone's name and say your own. Ask how someone is and respond to same question. Learn some basic nouns. Count numbers 1–10	**Unit 2: En classe-** Learning through a combination of activities, games and songs. Identify classroom objects Identify colours, and describe an object's colour. Say your age. Recognise and repeat classroom instructions. Project work: Contact with a French school	**Unit 3: Mon Corps-** Learning through a combination of activities, games and songs. Identify parts of the body. Describe eyes and hair appearance. Recognise days of the week. Give basic character descriptions. Project work: Famous French people	**Unit 4: Les Animaux-** Learning through a combination of activities, games and songs. Identify animals and pets. Recognise and use numbers 11–20. Give someone's name. Describe someone. Project work: Pets	**Unit 5: Ma famille** Learning through a combination of activities, games and songs. Identify family members. Recognise and spell with letters of the alphabet. List household items. Use basic prepositions sur and dans to describe position. Project work: Alphabet chart	**Unit 6: Bon anniversaire!** Learning through a combination of activities, games and songs. Recognise and ask for snacks. Give basic opinions about food. Use numbers 21–31. Recognise and use months and dates.
Computing - Purple Mash	Unit 1.1 Online Safety and Exploring Purple Mash Unit 2.5 Effective Searching	Unit 1.4 Lego Builders Using 2DIY Unit 1.9 Technology outside of school	Unit 2.6 Creating Pictures Using 2PaintAPicture	Unit 1.8 Spreadsheets Using 2Calculate	Unit 1.7 Coding Using 2Code	Unit 1.3 Pictograms Using 2Count Unit 1.2 Grouping and Sorting Using 2DIY Online Safety (No unit)
Religious		**Christianity**		**Judaism**		**Christianity**

Education - Emmanuel Project UKS2		**Overview –** Why is belonging to God and the church family important to Christians? What did Jesus teach us about God in parables? Why do Christians Pray to God and Worship him?		**Overview -** Recap Judaism & Why do Jewish families talk about repentance at new year Why do Jewish families say so many prayers and blessings		**Overview –** How does celebrating Pentecost remind Christians that God is always with them? Why was Jesus given the name Saviour? What are the best symbols of Jesus' resurrection at Easter? Why do Christians Trust Jesus and follow him?
Art	**Texture & Form - Papier Mache** **Overview –** This aim of this unit is for the children to explore the use of a range of materials and how these can be used to create different forms, textures, shapes and colour. The children will create the a picture using Papier Mache.				**Printing – Indian Block Printing** **Overview -** The aim of this unit is for the children to learn about a form of Art from another culture and alternative method of creating Art. The children will learn where block printing originated from and how it used in India (clothes).	
Design Technology			**Cooking – Bread and Rolls, Wortham Bakery** **Overview -** The aim of this unit is for the children to learn about	**Levers & Sliders – Moving Pictures** **Overview –** The aim of this unit is for the children to understand how levers		

			the process of making bread, particularly the process of kneading, proving and the effect yeast has on the dough. The children will also learn about the vast range of bread types that are on offer and the bread types from different countries.	and sliders work, experiment making their own and then apply this learning to create a picture that moves.		
P.E.	**Multiskills – Throwing and Catching** **Overview –** The aim of this unit of work is for the children to develop their ability to throw accurately to catch consistently. The children will learn the techniques to be able to throw accurately at a target. They will also learn different types of throws and passes.	**Multiskills – Balance and Coordination** **Overview –** The aim of this unit is for the children to develop their ability to balance and to coordinate their movements. They will learn the different types of balances and will take part in a variety of activities which will develop their coordination and agility skills.	**Gymnastics –** **Overview –** The aim of this unit is for the children to learn a range of balances, jumps and forms of travelling to create a sequence. The children will create an individual sequence, pairs and small group.	**Hockey – Quicksticks** **Overview -** The aim of this unit is for the children to be introduced to the game of Hockey. The will learn and practise holding a hockey stick correctly, moving with the ball, passing and receiving and to incorporate these skills into mini challenges / games.	**Athletics – Track Events** **Overview –** The aim of this unit is for the children to develop skills in track events, with a primary focus on techniques for running.	**Tennis** **Overview –** At Wortham Primary School, Tennis is taught be a qualified Tennis coach.