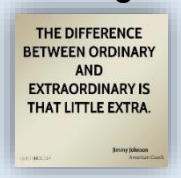
ST. MARY'S CATHOLIC PRIMARY SCHOOL
CURRICULUM 2021/22
CLASS 2 CYCLE B

'a small school with a big heart'

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
CLASS TOPIC	**The Iron Man**	**The Great Plague**	**Valiant Vikings (Super Sleuth)**	**How Does Your Garden Grow?**	**Amazon Adventure**	**Inventors & Inventions**
Big Question 	Do all humankind live in peace and harmony?	Why was life so unsanitary for some people in the 17th Century and why did the Plague spread so quickly?	What does it mean to be free? What is freedom?	How can science and technology be used to support poorer communities across the world?	What are the long term effects of deforestation?	Why should we be in awe of early inventions and technology way ahead of its time?
Ethical/world thinking 	At the end of The Iron Man, earth spirit sings of peace and harmony to man, nature and culture. Explore the need for more peace and harmony in our world.	How and why have things changed ethically and morally since The Plague? Where is the Plague still prevalent now and why? Investigate equality and sustainability.	Explore Freedom of Speech and rights of the child	Explore some unconventional ways of growing plants- bag gardens/floating gardens/recycled gardens. Make our own recycled planter.	Conservation of green spaces and rainforests for the sake of animals and civilisation.	Some inventions are unbelievable to have been made by such early civilisation. Our technology moves forward quickly but how much do we owe to early inventors?
Extraordinary Ending 	Make a Pop-Up book to read to infant children. Shoe box mini theatre with the characters from the story.	Litter pick around the local area Assembly presentation at the end of topic	Trip to the Jorvig Centre in York.	Seed dispersal presentation to younger children- pop glitter balloons to teach the younger children. Cook own vegetables in the	Perform 'From the Kapok Tree' for the school to understand the consequences of deforestation	Lego coding inventions. Use the technology to create own inventions and crate a whole school display.

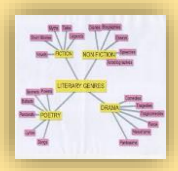
ST. MARY'S CATHOLIC PRIMARY SCHOOL
CURRICULUM 2021/22
CLASS 2 CYCLE B

'a small school with a big heart'

				school kitchen for school meals.	-a curriculum based information play	
Interest generator Hook to inspire/topic launch/ Stickability- what will we remember? *Real life links to the topic.* 	Chn to dress up and inspect what has happened. CSI day with a possible forensic scientist. Magnet stations in class to explore the parts left from the farm machinery-real farm machinery to explore.	London Launch interest table stations to explore	MOSAIC APP –join the Vikings on the Viking ship as they travel to dominate far and distant lands.	So Plants, Longridge, to talk to the class about horticulture and plants. Visit and nurture our lemon tree and grow plants in the greenhouse and Polytunnel.	Attenborough footage about the Amazon	Visit Liverpool Museum to explore early civilisations and inventions.
AUTHOR STUDY/ CLASS READ 	**The Iron Man –** Ted Hughes	**Plague-A Cross on the Door** - Anne Turnbull	**Foul Play** - Tom Palmer **Whodunit? Detective Stories** Chosen - Philip Pullman.	**The Spider and the Fly** - Mary Howitt	**Running Wild** - Michael Morpurgo	**Cogheart** - Peter Bunzl **Stories from - One Thousand and One Nights**

ST. MARY'S CATHOLIC PRIMARY SCHOOL
CURRICULUM 2021/22
CLASS 2 CYCLE B

'a small school with a big heart'

GENRES 	Novel (pop up books) Diaries (different characters and their feelings) Recount	Fairy Tales Classic Narrative Poetry Recount: Newspapers	Detective / crime fiction Report Writing Newspaper report	Classic Poetry Mystery / Adventure / Fantasy Stories Explanations	Explanation text Narrative Persuasive Discussion	Novel as a theme Magazine: Information text Hybrid Historical story from another culture
MULTI-MODAL WRITING/ CROSS-CURRICULAR 	Diary – Different viewpoints of the characters Iron Man shaped writing Mechanical object/magnet shaped writing Report	skeleton writing rat writing Diaries The Plague Times Newspaper	Crime scene report – forensic study of crime scene in school – interviews and newspaper reports (IT)	Spider writing Flower shaped writing Puppet pals ICT – Seed dispersal/pollination explanation	Rainforest layers model with explanation text	Invent a mechanical or mechanism to inspire own story Class magazine – edit, photography, selling techniques
OUTDOOR LEARNING 	Outdoor DT workshop – designing and making a Fairsnape Iron Man.	History – Investigate the Timeline Ring a Ring a Roses traditional song Recycling		Exploring/investigating plants in school grounds – sketching/digital images Bug Hotel		Falling objects – science investigation from the play equipment

ST. MARY'S CATHOLIC PRIMARY SCHOOL
CURRICULUM 2021/22
CLASS 2 CYCLE B

'a small school with a big heart'

				Planting		
LOCAL LINK 	Local forces in action – links to farming and machinery used.	Lancashire Recycling – protecting our local environment	Classify plants around school – church garden, millennium	Flowers and plants in our locality	Plants in local area	Look at local inventors – such as Nick Park
NATIONAL LINK 	National use of Forces in science and industry - STEM	National recycling – protecting the environment		Flowers and plants of the UK	National efforts on global warming/ deforestation & nature reserves in UK	Famous inventions and inventors from the UK
GLOBAL LINK 	Global forces in Action – in science and industry	Global recycling – protecting the future of the world		Flowers around the world.	Global warming & deforestation	Invention and famous inventors from around the world
VISITS/ VISITORS 	Trip to Manchester Science and Industry Museum	Museum visit Lancashire Evening Post visit Recycling centre	Forensic Scientist visit - workshop	Trip to Myerscough College		Museum Visit – Inventors focus

ST. MARY'S CATHOLIC PRIMARY SCHOOL
CURRICULUM 2021/22
CLASS 2 CYCLE B

'a small school with a big heart'

MATHS 	Place Value Addition and Subtraction Multiplication and Division 2D & 3D Shapes Position and Direction	Mental multiplication Mental division Written multiplication Measurement (length including perimeter) Statistics	Division 2D & 3D shape Add & Subtract Fractions Area & Volume Statistics & measures	Counting and sequencing using statistics and measures Decimals and fractions in the context of measures Fractions and division Measures (perimeter, volume/capacity and mass) Shape and area Multiplication facts and time	Place value – decimals Fractions Time & Statistics Geometry Addition & Subtraction Multiplication & Division (incl squares & cubes)	Division 2D & 3D shape Add & Subtract Fractions Area & Volume Statistics & measures
SCIENCE 	**Forces and magnets –** Stem Science & Technology. Compare how things move on different surfaces -Notice that some forces need contact between 2 objects, but		**Classification** - Describe how living things are classified into broad groups according to common observable characteristics and based on similarities and differences, including microorganisms,	**Plants - Functions of Parts of a Plant** - Identify, locate and describe the functions of different parts of flowering plants: roots, stem/trunk, leaves and flowers. - Explore the requirements of	**Life cycle changes in animals and plants; naturalists** (e.g. David Attenborough) -Describe the differences in life cycles of a mammal, an amphibian, an insect and a bird	**Forces and falling objects -** Explain that unsupported objects will fall towards the earth because of the force of gravity acting between the earth and the falling object. -identify the

	magnetic forces can act at a distance. -Observe how magnets attract or repel each other and attract some materials and not others. - Compare and group together a variety of everyday materials based on whether they are attracted to a magnet. - Describe magnet and predict which will repel and which with attract. Forces and magnets – links to UCLAN.		plants and animals. Give reasons for classifying plants and animals based on specific characteristics.	plants for life and growth - Investigate the way in which water is transported within plants. - Explore the part that flowers play in the life cycle of flowering plants. Learn about pollination and seed dispersal and how the sun provides energy for plants to grow.	-Describe the life process of reproduction in some plants and animals.	effects of air resistance, water resistance and friction, that act between moving surfaces. Recognise that some mechanisms, including levers, pulleys and gears, allow a smaller force to have a greater effect.

ST. MARY'S CATHOLIC PRIMARY SCHOOL
CURRICULUM 2021/22
CLASS 2 CYCLE B

'a small school with a big heart'

SCIENTIFIC ENQUIRY 	Ask relevant questions using different types of scientific enquiry. Set up simple practical enquiries, comparative and fair tests. Make systematic and careful observations, taking appropriate measurements using standard units (using a range of equipment, including thermometers and data loggers) Gathering, recording, classifying and presenting data in a variety of ways. Record findings using simple scientific language, drawings, labelled diagrams, keys, bar charts and tables. Report on findings for enquiries – written and oral explanations, displays or presentation of results. Use results to draw simple conclusions, make predictions, suggest improvements and raise further questions. Identify differences, similarities or changes related to simple scientific ideas and processes. Use straightforward scientific evidence to answer questions or to support their findings. By exploring the work of scientists. Through scientific research about the relationship between diet, exercise, drugs, lifestyle and health. By observing / measuring changes to breathing, heart beat and or pulse rates after exercise. By **exploring** falling paper cones or cup-cake cases. By **designing and making [exploring]** a variety of parachutes. By **carrying out fair tests** to determine which designs are the most effective. By **exploring** resistance in water by making and testing boats of different shapes. By **designing and making [creating/inventing/designing]** artefacts that use simple levers, pulleys, gears and/or springs and explore their effects.					
GEOGRAPHY 		**Our Environment** - What is meant by 'environment'? - Identify environmental needs of our school,	**Maps of the UK and Europe**. Where did the Viking come from?		**Contrasting region – Amazon Basin**, Use maps to locate the world's rainforest, biomes- locate the worlds countries, using	World Mapping – **Islamic Golden Age mapping**

ST. MARY'S CATHOLIC PRIMARY SCHOOL
CURRICULUM 2021/22
CLASS 2 CYCLE B

'a small school with a big heart'

		town, UK and worldwide.	Look at the seas and oceans around the Uk		maps to focus on Europe (including the location of Russia) and North and South America, concentrating on their environmental regions, key physical and human characteristics, countries and major cities.	
HISTORY 		**The Great Plague -** What was London like in the time before the Great Fire of London in 1666? Look at sources to identify and learn about the spread of the plague in London and the UK.	**The Viking and Anglo-Saxon struggle for the Kingdom of England to the time of Edward the Confessor –** Learn about - •Viking raids and invasion. Resistance by Alfred the Great			**Early Islamic civilization – Baghdad c AD900 - A non-European society that provides contrast with British history.** Investigate the famous inventors of the Islamic Golden Age and their

ST. MARY'S CATHOLIC PRIMARY SCHOOL
CURRICULUM 2021/22
CLASS 2 CYCLE B

'a small school with a big heart'

		Look at the national anthem – British Values.	and Athelstan, first king of England. Further Viking invasions and Danegeld. Anglo-Saxon laws and justice. Edward the Confessor and his death in 1066 Investigate Viking lifestyle and culture Look at the national anthem – British Values.			impact on modern science and history. Investigate the lifestyle, literature and culture of the era. Compare and contrast to what the UK was like at this time in history.
MUSIC 	**Performance – 'Music of the Spheres'. Compose a piece based on the ending of The Iron Man, using keyboards, percussion, vocals and the 'sounds of the stars'.**	**Performance and composition using materials linked with recycling.** **Listening and singing** (It's Our World song) linked to recycling. Modern day songs.	**Singing, Listening and Performing** - Unicef – European rights of a child song and the National Anthem Charanga Viking Singing Unit	**Listening and appraising** - Vivaldi 4 seasons **BAROQUE ERA** **Charanga Unit – Food and Spain** **SPANISH CULTURE**	**Sounds of the Rainforest Music** – linked to The Great Kapok Tree Compose a 'save the rainforest song' **Animal and Nature Sounds**	**Listening and appraising 1001 nights – Alessandro Alesssandroni** **Performing and Singing - Hip-Hop – The Fresh Prince of Bel-Air** **Hip-Hop Music**

ST. MARY'S CATHOLIC PRIMARY SCHOOL
CURRICULUM 2021/22
CLASS 2 CYCLE B

'a small school with a big heart'

	Listen to sci-fi scores by famous composers (Gustav Holst and John Williams) FAMOUS COMPOSERS FROM MODERN WESTERN ERA	**Christmas hymns and performance** **MODERN DAY AND HISTORY OF MUSICAL STYLES**	**MODERN DAY AND HISTORY OF MUSICAL STYLES**			
COMPUTING 	**CS/DL - Lego Education Coding** – Focusing on input and outputs using Bluetooth remote coding. Evaluate inputs and outputs and make changes to adjust to improve outcomes. Creating Media – Vector Drawings. Create their own digital Iron Man.	**IT – Data Handling – Branching Databases** – Investigate the CLEO website how database branching sorts information. Use software, such as Powerpoints to create branching databases based on materials that can/cannot be recycled.	**CS -Coding – Purple Mash** design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts □ use sequence, selection, and repetition in programs; work with variables and	**IT – Presenting Information** – Using a range of IT to present information on learning about plants.	**IT / DL - digital research** Understand computer networks including the internet; such as the world-wide web; and the opportunities they offer for communication and collaboration select, use and combine a variety of software on a range of digital devices to design and create a	**CP -Coding – Purple Mash** design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts. Use sequence, selection, and repetition in programs; work with variables and

ST. MARY'S CATHOLIC PRIMARY SCHOOL
CURRICULUM 2021/22
CLASS 2 CYCLE B

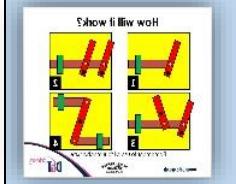
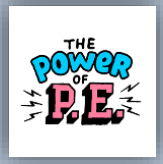
'a small school with a big heart'

			various forms of input and output use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs		range of programs to present data and information; use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content	various forms of input and output. Use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs.
PSHE/HRSE 	**Feelings** **How can we describe our feelings?** Describe a wider range of feelings; people respond to feelings differently. Taking care of our mental wellbeing – mindfulness, growth mindset. CT1 identify, name &	**Friendships** **What can we do about bullying?** Recognising bullying; how to respond and ask for help; people who help them stay healthy and safe; overcoming difficulties in friendships – working through these can	**Wellbeing** **How can I help myself and others?** Effects of bullying on mental wellbeing; where and how to seek support over concerns about own or others mental wellbeing	**Careers** **What jobs would we like?** Challenging stereotypes, how communities work together, how to achieve personal goals – mindset, ambition Individual Liberty CT2 being part of a community means	**Finance** **How can money affect us?** Finance and its role in people's lives – being a critical consumer, meaning of interest, loan, debt, tax, allocation of resources and the effect on communities and	**Support** **How can I help myself and others**? Effects of bullying on mental wellbeing; where and how to seek support over concerns about own or others mental wellbeing

	respond to a wider range of feelings in self and others; CT3 all people have worth and dignity as creations of God	strengthen friendships Tolerance & Mutual respect CT2 Importance of forgiveness & about Jesus' teachings about forgiveness		working together; they are part of different communities – local, national, international and that the church is a community of faith	individuals, research and debate health & wellbeing issues. Bikeability – road safety	
ART 		**Skull Art** -Inspired by Basquait and Escher drawings and painting. Explore their images and to create pieces of art.		**Nature Art -** Flowers/Plants/Trees/ Gardens Drawing inspired by Andy Goldsworthy. Make a series of observational drawings in sketchbooks of flowers, plants or gardens. **3-D -** Create a 3-D sculpture of a flower using the wire inspired by artists (Haley Harmon, Elizabeth Berrien and Teresa Leung).	**Jungle Art -**Inspired by Rousseau and artist Ruth Daniels – children make own observational drawings and sketches of plants. Paint and print inspired by rainforest leaves	

ST. MARY'S CATHOLIC PRIMARY SCHOOL
CURRICULUM 2021/22
CLASS 2 CYCLE B

'a small school with a big heart'

DESIGN TECHNOLOGY 	**Mechanical systems – Iron Man lever puppet**. shape the world. Understand and use mechanical systems in their products. Links to DT Iron Man Pop Up books whilst using a form of contraption.			**Structures – Create a planter for plants** - Draw and sketch ideas and make a cardboard template. Evaluation of Existing Products. Focused Tasks – Structures, design make and evaluate.	**Textiles –** Combining fabrics to create a purposeful amazon explorer piece of kit.	**Mechanical Systems** – Create a motorised vehicle with gears and pulley. Investigate different materials and use of pulleys and gears to best fit the designed vehicle.
PHYSICAL EDUCATION 	**FTFC Community – Games Net and Wall** **Lancashire SOW Dace unit – Iron Man** **Swimming**	**Lancashire SOW Dance Unit** – The Great Plague **Lancashire SOW Gymnastics Unit 1** **Swimming**	**Gymnastics SOW Gymnastics 2** **Swimming**	**FTFC Community - Games – Tag Rugby** **Swimming**	**FTFC Community - Fielding & Striking** **Swimming**	**FTFC Community Games - Creative Games** **Athletics Lancashire SOW** **Swimming**

ST. MARY'S CATHOLIC PRIMARY SCHOOL
CURRICULUM 2021/22
CLASS 2 CYCLE B

'a small school with a big heart'

RELIGIOUS EDUCATION  	**Celebrating the Mass** How the Mass began. The Last Supper The Sacrifice of the Mass The New Covenant The Beginning of the Mass The Readings at Mass The Offertory and Consecration Holy Communion Our Parish Church	**Trust in God** Learning to Trust Zechariah Mary trusts in God Joseph trusts in God God fulfills His Promise Mystery of the Trinity Mystery of the Incarnation	**Reconciliation** The Ripple Effect Mary Untangles Knots of Sin God's Love and Forgiveness The Meaning of Sin The Sacrament of Reconciliation Forgiveness takes Courage **CAFOD WORKSHOP**	**The Early Christians** Jesus appears to the disciples The Ascension Pentecost Stephen and Saul Paul and Silas The cost of Discipleship The Teaching of the Apostles	**Life in the Risen Jesus** Guarding the Tomb The Resurrection The Spirit in the Church Jesus is with Us Prayer Importance of Prayer	
MFL 	**Spanish Basics – Numbers and Days** **Spanish - Introduce yourself**	**My family and friends**	**My Body and me!**	**Time to Eat Food (linked to music)**	**All About - School**	**Tell me When!**
NOTES						