# St. Mary's YEAR 5 LONG TERM PLAN

	Autumn		Spring		Summer	
Values Heartsmart	LOVE 'Get HEARTSMART'	COMPASSION 'Don't Forget to Let Love In!'	RESPECT 'Too much Selfie isn't healthy!'	COURAGE 'Don't Rub it in, Rub it Out!'	HONESTY 'Fake is a Mistake!'	DETERMINATION 'No Way through isn't true!'
Maths	Read, write, order and compare numbers to at least 1 000 000 Count forwards or backwards in steps of powers of 10 for an given number up to 1 000 000 Interpret negative numbers in context. Read Roman numerals to 1000 (M) Add and subtract numbers mentally with increasingly large numbers Use written methods to add and subtract numbers with more than 4 digits Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why  Round numbers up to 1,000,00 to nearest 10,100,1000 Interpret information in graphs and tables Identify and solve problems involving multiples, factors, prime numbers, square and cubed numbers Multiply and divide by multiples of 10,100 and 1000 Measure and calculate perimeter and area.		•		Add and subtract decimals  Multiply and divide decimals by powers of Measure angles in degrees  Calculate missing angles around a point an Reason about parallel and perpendicular lines Reflect and translate shapes with and with Recognise and convert between all metric Recognise, use and convert between differ measurement.  Convert units of time.  Interpret timetables.  Estimate, measure and compare volumes and compare volu	d in shapes.  nes  out coordinates  units of measurement  ent imperial units of
English	Annie Edson Taylor's life.  Greater Depth: To write a serie: Annie Edson Taylor's life includi  Reading comprehension	prose of writing sheme rbials or avoid ambiguity in writing sof diaries about significant events in a grieve about significant events in a grieve points on other characters.	vocabulary Describe settings, characters Integrate dialogue to convey Precis longer passages Propose changes to vocabula effects and clarify meaning Use consistent and correct te Proof-read for spelling and pu Final Outcome: To write a my and monsters) and settings.	purpose of writing lecting appropriate grammar and and atmosphere character and advance the action ry grammar and punctuation to enhance onse	The Paperbag Prince by Colin Thompson Writing Persuasive / information poster (hybrid te Identify the audience for and purpose of w Enhance meaning through selecting approposed to the selecting approposed approposed to the selecting approposed to the sel	riting priate grammar and th and writing. rors et to give information about ute to home and schools).

Provide reasoned justifications

# <u>The Lost Happy Endings by Carol Ann Duffy and Jane Ray</u> Writing

# **Fiction writing**

Expanded noun phrases to convey complicated information concisely Describe settings, characters and atmosphere

Integrate dialogue to convey character and advance the action Inverted commas and other punctuation to punctuate direct speech

**Final Outcome:** To write a traditional tale focusing on describing settings, characters and an alternative ending.

**Greater Depth:** To write the traditional tale from a woodland creature's point of view who is also scared by the witch.

# Reading comprehension

Identify and discuss themes and conventions

Draw inferences (characters' feelings, thoughts and motives) Justify with evidence

Evaluate author's language choice (including figurative language) Explain and discuss understanding of reading

Provide reasoned justifications

# **Good Night Stories for Rebel Girls**

# Reading

Predict what might happen from details stated and implied

Explore the meaning of words in context

Retrieve, record and present information

Summarise the main ideas from more than one paragraph

Draw inferences (inferring characters' feelings, thoughts and motives  $% \left( 1\right) =\left( 1\right) \left( 1$ 

from their actions); justify with evidence

- Identify and discuss themes and conventions
- Distinguish between fact and opinion

Identify how language, structure and presentation contribute to meaning

Evaluate authors' language choice, including figurative language Make comparisons within and across books

#### Hansel and Gretel

Predict what might happen from details stated and implied Explore the meaning of words in context

Retrieve, record and present information

Summarise the main ideas from more than one paragraph

Draw inferences (inferring characters' feelings, thoughts and motives from their actions) and justify with evidence

- Identify and discuss themes and conventions
- Distinguish between fact and opinion

Identify how language, structure and presentation contribute to meaning

Evaluate authors' language choice, including figurative language Make comparisons within and across books

# Reading comprehension:

Draw inferences (characters' feelings, thoughts and motives) and justify with evidence

Identify themes and conventions

Evaluate author's language choice

Make comparisons

Opportunity for Courageous advocacy

# The Darkest Dark by Chris Hadfield

#### Writin

# Recount writing - Biography

Identify the audience and purpose of writing

Use a wide range of devices to build cohesion across paragraphs using adverbs and adverbial and tense choices Enhance meaning through selecting appropriate grammar and vocabulary

Describe settings, characters and atmosphere

Integrate dialogue to convey character and advance the action

Proof read for spelling and punctuation errors

**Final Outcome:** To write a formal biography about Chris Hadfield. **Greater Depth:** To write a formal biography about Chris Hadfield including an extra section in informal first person.

# Reading comprehension:

Predict from details stated and implied

Identify and discuss themes and conventions

Draw inferences (characters' feelings, thoughts and motives) and justify with evidence

Summarise main ideas

Evaluate authors' language choice

Retrieve, record and present information

# **Odd and the Frost Giants**

#### keading

Predict what might happen from details stated and implied

Explore the meaning of words in context

Retrieve, record and present information

Summarise the main ideas from more than one paragraph

Draw inferences (inferring characters' feelings, thoughts and motives from their actions); justify with evidence

- Identify and discuss themes and conventions
- Distinguish between fact and opinion

Identify how language, structure and presentation contribute to meaning

Evaluate authors' language choice, including figurative language Make comparisons within and across books

#### Exploring Space

Predict what might happen from details stated and implied

Explore the meaning of words in context

Retrieve, record and present information

Summarise the main ideas from more than one paragraph

Draw inferences (inferring characters' feelings, thoughts and motives from their actions); justify with evidence

- Identify and discuss themes and conventions
- Distinguish between fact and opinion

Identify how language, structure and presentation contribute to meaning

Predict from details stated and implied

Retrieve, record and present information

Provide reasoned justifications

# The Hunter by Paul Geraghty

# Writing

# Narrative adventure story

Identify the audience and purpose of writing

Use a wide range of devices to build cohesion across paragraphs using adverbs and adverbial and tense choices Enhance meaning through selecting appropriate grammar and vocabulary

Describe settings, characters and atmosphere

Integrate dialogue to convey character and advance the action Proof read for spelling and punctuation errors

**Final Outcome:** To write a narrative based on the structure of The Hunter by changing the characters, animal and setting

Greater Depth: To re-tell the story from the animal's point of view

# Reading comprehension:

Draw inferences such as inferring characters' feelings, thoughts and motives from their actions, and justify inferences with evidence Predict what might happen from details stated and implied Make comparisons within and across books

# Pollution – a look behind the scenes

# eading

Predict what might happen from details stated and implied

Explore the meaning of words in context

Retrieve, record and present information

Summarise the main ideas from more than one paragraph

Draw inferences (inferring characters' feelings, thoughts and motives from their actions); justify with evidence

- Identify and discuss themes and conventions
- Distinguish between fact and opinion

Identify how language, structure and presentation contribute to meaning

Evaluate authors' language choice, including figurative language Make comparisons within and across books

# AFRICAN TALES: A Barefoot Collection

Predict what might happen from details stated and implied

Explore the meaning of words in context

Retrieve, record and present information

Summarise the main ideas from more than one paragraph

Draw inferences (inferring characters' feelings, thoughts and motives from their actions); justify with evidence

- Identify and discuss themes and conventions
- Distinguish between fact and opinion

Identify how language, structure and presentation contribute to meaning

Evaluate authors' language choice, including figurative language (2g) Make comparisons within and across books (2h)

		Evaluate authors' language choice, including figurative language Make comparisons within and across books	
Science	Work scientifically Learning the methodologies of the discipline of science Use and create classification keys and use scientific criteria to understood groups and features of living things. Use data to present graphs to show people/animals change over time.	Work scientifically Learning the methodologies of the discipline of science Sort materials according to similar and different scientific properties. Design Fair Tests to investigate changes of state and the processes that cause changes from solid, liquids and gases. Choose own equipment to investigate reversible and irreversible changes.	Work scientifically Learning the methodologies of the discipline of science Plan and design own investigations to prove the impact on different types of Force. Use data and present data in different formats to show the sun, moon and earth movement and patterns.
	Investigate living things  Describe the differences in the life cycles of a mammal, an amphibian, an insect and a bird.  Describe the life process of reproduction in some plants and animals.  Understand animals and humans  Describe the changes as humans develop from gestation to old age.	Investigate materials  Compare and group together everyday materials on the basis of their properties.  Know that some materials will dissolve in liquid to form a solution, and describe how to recover a substance from a solution  Learn how mixtures might be separated, including through filtering, sieving and evaporating  Give reasons, based on evidence from comparative and fair tests.  Demonstrate that dissolving, mixing and changes of state are reversible changes  Explain that some changes result in the formation of new materials, and that this kind of change is not usually reversible.	Understand the Earth's movement in space  Describe the movement of the Earth and other planets relative to the sun in the solar system  Describe the movement of the moon relative to the Earth  Describe the sun, Earth and moon as approximately spherical bodies  Use the idea of the Earth's rotation to explain day and night and the apparent movement of the sun across the sky.  Understand movement – forces and magnets  Explain that unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling object.  Identify the effects of air resistance, water resistance and friction, that
		materials, and that this kind of change is not usually reversible.	act between moving surfaces  Recognise that some mechanisms including levers, pulleys and gears allow a smaller force to have a greater effect
R.E  Opportunity for  Courageous advocacy	Understand beliefs and teachings  Understanding the key teachings of Jesus and explore the Bible as a whole. Understand the biblical perspective of the nativity story.  Understand practices and lifestyles  Understanding the day-to-day lives and practices of Christians and deepen children's understanding of the importance and impact of the contents of the Bible in the lives of Christians. Deepen children's understanding of what Christians believe to be the true meaning of Christmas  Understand how beliefs are conveyed  Read and interpret Bible stories that show the message from God.  Reflect  Appreciation of how religion plays an important role in the lives of some people.  Understand values  Develop further children's understanding of the significance of holy books in the lives of the people of all world faiths (Hinduism and Humanism). Increase pupil's knowledge and understanding of the place of the incarnation in God's Big Story	Understand beliefs and teachings Emphasise Jesus' skills as a great teacher. Understand practices and lifestyles Emphasise that Christians believe that Easter is the celebration of Christ's triumph and victory over death. This is at the very heart of Christian belief. Understand how beliefs are conveyed Understanding how books, scriptures, readings and other important means of communication are used to convey beliefs.  Reflect Appreciation of how religion plays an important role in the lives of some people. Consider carefully the messages of the parables and how they impact on the lives of practising Christians. Reflect on their own understanding.  Understand values Appreciation of how many people place values as an important aspect of their lives.	Understand beliefs and teachings Develop the children's understanding of Christian hope and the promise of eternal life with God. To realise the significance of the life of St Paul and the concept of mission.  Understand practices and lifestyles Understanding the day-to-day lives and practices of Christianity, develop pupil's understanding of Hindu beliefs about death and life after death.  Develop understanding of Humanist beliefs about death. To learn basic facts about how Christianity spread throughout Britain.  Understand how beliefs are conveyed Understanding how books, scriptures, readings and other important means of communication are used to convey beliefs in all three religions. Provide children with an opportunity to gain greater understanding of the lives and resilience of the early Christians.  Reflect  Appreciation of how religion plays an important role in the lives of some people. Give children an opportunity to ask questions, and discuss feelings about loss, death and heaven. Give children an opportunity to express their ideas and perceptions of loss, death, heaven and eternal life
			<b>Understand values</b> Develop pupil's understanding and knowledge of how people of faith mark the end of life.

Geography	North and South America: how diverse are their places and landscapes? Investigate places Explore the diversity of landscapes in North and South America. Biomes  Investigate patterns Compare climates, populations, economy and diversity of wildlife.  Communicate geographically Use 4 figure and 6 figure grid references and mapping skills.	Local and global: why are trees and forests important? Investigate places  Learn, locate and identify all of the world's biomes. Define what a biome is. Compare the forest biomes of the world. Compare physical and human geography. Use different types of fieldwork to observe, measure and record the human and physical features in the local area to suggest location for planting trees in the local area.  Investigate patterns  Describe how the local area is changing and explain some of the reasons for change. Map trees in the local area, understand when trees have been planted and significance of changes locally, nationally and globally.  Communicate geographically  Use keys and scales to map and locate forests globally	Natural resources: what are they, where are they found, why are they important? Sustainable world: does it matter how we live? Investigate places, investigate patterns, communicate geographically  Renewable and non-renewable sources of energy, use of natural resources, water as a precious resource. Describe how the world is changing and explain some of the reasons for change – global food production, economic minerals and wood.  Opportunity for Courageous advocacy
History		Investigate and interpret the past  Understand why we know so much about a period so long ago and why it has significance and influence today. Use and choose a range of sources including artefacts to draw conclusions.  Build an overview of world history  Research and present ideas that show similarities and differences in Ancient Greek life and ideals compared to e.g. Roman rule, Egyptian civilisation, and with life today.  Understand chronology  Place the Ancient Greek period in context and the reason for the spread of the empire in its time and context.  Communicate historically  Using historical vocabulary and techniques to convey information about the past; including the Greek language and words and concepts that still influence life in the world today.	Investigate and interpret the past Use documents, maps and artefacts to buld up a picture of the changes in the Mersey region over time.  Build an overview of world history  Understand the place of the Mersey Region in the world at different times- the impact of invader sand settlers, changes in industry and ways of living.  Understand chronology  Relate the changes in the area to events and periods of history studied Communicate historically Use a range of primary and secondary sources to draw own conclusions for the nature of the local area and historical changes.  Opportunity for Courageous advocacy

Computing	Sharing information  Develop their understanding of computer systems and how information is transferred between systems (small scale and large scale) and devices. Learn how search engines work and what influences searching.  Self-image and identity  Explain how identity online can be copied, modified or altered.  Demonstrate how to make responsible choices about having an online identity depending on context.  Vector drawing  Create vector drawings using different drawing tools to create images.  Learn to layer objects and begin grouping and duplicating them to support the creation of more complex pieces of work.  Online relationships  Learn about technology specific forms of communication and that those communicated with may not be trust-worthy. Understand how someone can get help if they are having problems and identify when to tell a trusted adult, understand what to do to support others and how to report problems online. I can describe some of the ways people may be involved in online communities and describe how they might collaborate constructively with others and make positive contributions.	Video editing  Learn how to create short videos in groups and develop the skills of capturing, editing, and manipulating video.  Flat-file data Bases  This unit looks at how a flat-file database can be used to organise data in records. Pupils use tools within a database to order and answer questions about data and create graphs and charts from their data to help solve problems.  Managing online information  Explain the benefits and limitations of using different types of search technologies e.g. voice-activation search engine.	Selection in physical computing  Use physical computing to explore the concept of selection in programming. Understand conditions as a means of controlling the flow of actions and make use of their knowledge of repetition and conditions when introduced to the concept of selection (through the if, then structure).  Privacy and security  Explain what a strong password is and demonstrate how to create one. Explain how many free apps or services may read and share private information with others  Selection in quizzes  Develop knowledge of selection by revisiting how conditions can be used in programs and then learning how the If Then Else structure can be used to select different outcomes depending on whether a condition is true or false.
P.E	Develop practical skills in order to participate, compete and lead a healthy lifestyle.  Learning a range of physical movements and sporting techniques.  Flag football(Invasion games)  Abstract Angles (gymnastics)  The Victorians(Dance)	Develop practical skills in order to participate, compete and lead a healthy lifestyle.  Learning a range of physical movements and sporting techniques.  Leadership (Outdoor adventure)  Accuracy &Rallies(Net games)  Invasion in a team( Hockey/football)	Develop practical skills in order to participate, compete and lead a healthy lifestyle.  Learning a range of physical movements and sporting techniques.  Olympic Training(Athletics)  Cricket(Striking &Fielding)  Exploring(Striking &Fielding)
Art	'Art in fashion' Develop ideas  Create abstract art designs in different ways using a range of media to develop ideas for a fabric design to use on a particular piece of clothing, such as a dress or jacket.  Master techniques  Further explore techniques and colour theory when mixing paint. Understand how using complimentary and contrasting colours created an effect in the design.  Take inspiration from the greats  Use inspiration of Expressionist artists to explore fashion design and see how these have influenced designs of patterns used in fashion.  Explore the patterns created in Op Art. Piet Mondrian.	'The Art of the Anatomy' Develop ideas  Use Leonardo da Vinci's ideas about the human body to design a body sculpture. Use sketches and explore different methods of creating the different elements of the body.  Master techniques  Use the 'ball and socket' technique to represent the human body. Learn to use proportion to draw the human body with greater accuracy and detail. Create sculptures – human skeleton & papier maché head including decorative embellishments.  Take inspiration from the greats  Explore what helped Ancient Greek sculptors to get better at their art. Find out about Leonardo da Vinci's achievements and inspirations and explore Renaissance portraiture.	'Art and Religion' Develop ideas  Explore different colour and light and dark contrasts. Try different patterns inspired by Islamic art. Develop repeating patterns.  Master techniques Print Islamic art-inspired designs.  Take inspiration from the greats Islamic Art.
DT	Master practical skills  Developing the skills needed to make high quality products. Moving Mechanisms. Use joining, strengthening techniques. Use dowel and moving cams. Create a Victorian style toy with moving parts.  Design, make, evaluate and improve  Developing the process of design thinking and seeing design as a process.	Master practical skills  Developing the skills needed to make high quality products. Kites – frame structures. Practise measuring and cutting accurately. Understand how to join materials to ensure a quality product.  Design, make, evaluate and improve  Use inspiration from existing products and design ideas from crafts people such as Leonardo Da Vinci to develop a design for a kite. Make	Master practical skills Food Technology. Design, taste and evaluate a Greek Dish (Moussaka). Use skills of food hygiene and safety, cutting and presenting.  Design, make, evaluate and improve Developing the process of design thinking and seeing design as a process. Create a Greek salad. Use cutting and arranging to present

	Take inspiration from design throughout history Appreciating the design process that has influenced other products with moving mechanisms	testing.  Take inspiration from design throughout history  Study kite making – its history and how it has developed in different countries. Use findings to design a kite that fits the design brief.	Take inspiration from design throughout history  Learn about the origins of the ingredients and elements of the Greek  Food. How and why they grow well in this region
Music-	Musical Spotlight: Melody and Harmony in Music	Musical Spotlight: Composing and Chords	Musical Spotlight: Freedom to Improvise
Charanga	Musical Learning: Singing and listening are at the heart of each lesson. Play, improvise and compose using a selection of these notes: C, D, Eb, E, F, F\$, G, A, Ab, Bb, B Learning about what a melody (or a tune) is -group of notes played one after another.	Musical Learning: Singing and listening are at the heart of each lesson. Play, improvise and compose using a selection of these notes: C, D, Eb, E, F, F♯, G, Ab, A, Bb, B	Musical Learning: Singing and listening are at the heart of each lesson. Play, improvise and compose using a selection of these notes: C, D, E♭, E, F, F♯, G, A, B♭, B
	Learning about how 'melody' contrasts with 'harmony'. (Harmony means notes which are played at the same time, like chords)  Learning about how composers often think of a melody and	Learning that if we play three or more pitches together, we can create chords in music.	Learning to improvise using notes that lie further apart? Learning about 'intervals' in music (refers to the distance between two pitches.)
		Learning about chords and that they provide the basis for accompaniment in music.	Learning about how some notes lie right next to each other (stepping motion) while other notes lie further apart (skipping
	then add harmony to it.  Learning about and exploring voices that sing the melodies.	Learning how to use chords in compositions, and that they can create music that is really interesting.	motion).  Social Question: How Does Music Shape Our Way of Life?
	Learning about how instruments used within music create the harmonies.	Learning to create an accompaniment.  Social Question: How Does Music Improve Our World?	
	Social Question: How Does Music Bring Us Together?		
		Musical Spotlight: Enjoying Musical Styles	Musical Spotlight: Battle of the Bands!
	Musical Spotlight: Sing and Play in Different Styles  Musical Learning: Singing and listening are at the heart of each lesson. Play, improvise and compose using a selection of these notes: C, D, Eb, E, F, F♯, G, Ab, A, Bb, B.	Musical Learning: Singing and listening are at the heart of each lesson. Play, improvise and compose using a selection of these notes: C, D, E, Eb, F♯, F, G, Ab, A, Bb  Learning about different, wonderful and interesting styles of music.	Musical Learning: Singing and listening are at the heart of each lesson. Play, improvise and compose using a selection of these notes: C, D, Eb, E, F, F♯, G, G♯, Ab, A, Bb
	Learning to Sing and play in different styles with different grooves and that this is part of being in a band or an ensemble.	Learning about 'texture' in music('Texture' refers to the layers of sound you hear in a piece of music)	Learning how to create a fun and confident performance with your choice of music and songs.
	Learning about music from all around the world, too.	Learning about how texture can be the number of voices and instruments you hear at once.	Learning about how to introduce music professionally, and think about your audience and what they would like to see
	Learning that in music 'tempo' refers to the speed of the beat – or how fast or slow the music sounds.	Learning about how different styles of music have different textures.	and hear.
	Learning that is music, sometimes tempos stay the same throughout a song, and sometimes they change.		<b>Social Question:</b> How Does Music Connect Us with the Environment?
	Learning and exploring different tempos in different pieces of	Learning about and explore how voices and instruments	

		T	
	music.	combine to create texture in music.	
	Social Question: How Does Music Connect Us with Our Past?	Social Question: How Does Music Teach Us About Our Community?	
MFL	Read fluently	Read fluently	Read fluently
French	Write imaginatively	Write imaginatively	Write imaginatively
	Speak confidently	Speak confidently	Speak confidently
	Understand the culture of the countries in which the language is spoken	Understand the culture of the countries in which the language is spoken	Understand the culture of the countries in which the language is spoken
	My town Telling the time More numbers Adjectives – small and large Que vois-tu ? Je vois	My town and telling the time Grammatical gender – nouns & adjectives Extend range of spoken questions and answers Learn negative adverb Extend spoken sentences linking with a conjunction	More numbers (to 50) Preposition a Time Days of the week Verbs for leisure activities II/elle Revise colour and describe garden
PSHE/RSE	Caring friendships	Caring friendships	Caring friendships
	Mental wellbeing	Respectful relationships	On Line relationships
	Respectful relationships	Mental wellbeing	Internet Safety and Harms
	Being Safe	On Line relationships	Being Safe
	Internet Safety and Harms	Internet Safety and Harms	Drugs Alcohol and Tobacco
	Families and people who care for me	First Aid – Head Injuries	Mental wellbeing
	Health and prevention		Changing Adolescent Bodies
	First Aid – Calling for help		First Aid – Bleeding Life Support