Year 5 Long Term Plan

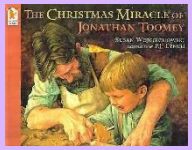
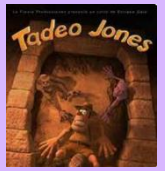
Year 5	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
TOPIC	**Why should WW2 never be forgotten?**	**What is so special about Australia?**	**Why are rivers important?**	**What makes Britain great?**	**What was life like in Ancient Egypt?**	**How is Brazil changing?**
Drivers	**History**	**Geography**	**Geography**	**History**	**History**	**History**
Humanities	World War II A study of an aspect or theme in British history that extends pupils chronological knowledge beyond 1066- the blitz.	Great Barrier Reef Australia Mining • Locational knowledge • Place knowledge • -Human and physical Geography • Geographical skills and fieldwork	Rivers, particularly the Nene. • Locational knowledge • Place knowledge • Human and physical Geography • Geographical skills and fieldwork	Curriculum focus: a study of an aspect or theme in British history that extends pupils chronological knowledge beyond 1066.	Ancient Egypt. The achievements of earliest civilizations.	Brazil • Locational knowledge • -Place knowledge • Human and physical Geography • Geographical skills and fieldwork Brazil • Locational knowledge • -Place knowledge • Human and physical Geography • Geographical skills and fieldwork

Art	*History Driver: Why should WW2 never be forgotten?* **Skill:** Drawing & Collage **Focus:** Colour **Key Experiences:** • Emotional colours • Harmonious colours • Explore colours to describe space - perspective. **Suggested Outcomes:** Mixed media war art, propaganda posters				*History Driver: How can we rediscover the wonders of Ancient Egypt?* **Skill:** 3D and Sculpture **Focus:** Form and Space **Key Experiences:** • Clay models and glazing • Produce intricate patterns and textures. **Suggested Outcomes:** Clay canopic jars, death masks.	*Geography Driver: How is Brazil changing?* **Skill:** Collage **Focus:** Tone **Key Experiences:** • Experiment with a range of media • Recognise and order tone in assorted colours. • Tone in artists' paintings • Textured surfaces • Represent texture via drawings. • Choose appropriate materials. **Suggested Outcomes:** Rainforest collage, collaborative installation in communal area.
Suggested Artists- Period- Movement- Stimuli	• Norman Wilkinson • Herbert Mason • Shepard Fairey • Propaganda posters		•		Ancient Egyptian Art	• Henri Rousseau • Georges Seurat • Joseph Cornell • Commercially produced colour charts as examples

D&T		**Construction:** Design and build a modern shelter. *Geography Link: How wild is the Outback?*	**Food:** Design and create, a healthy dip and packaging. Link to PE – yoga healthy lifestyle.	**Textiles:** Design a customised phone holder. *Scientific link to materials*		
RE	Hinduism	Advent		Creation Stories	Buddhism	
Indoor PE	Dance	Gymnastics (Balance)	Yoga	Basketball	Fitness	Dodgeball
Outdoor PE	Football	Kwik Cricket	Netball	Rounders	Tag rugby	Athletics
Computing Basic skills – see IT folder on one drive for progression of skills to be taught cross curricular.	**Unit 25** Computer Science Programming Variables Piano keyboard 1-8	**Unit 26** Computer Science Programming Piano 9 – 17 Variables	**Unit 27** Computer Science Programming Racetrack Conditional Selection	**Unit 28** Computer Science Programming Racetrack	**Unit 29** Digital Literacy Open and close chat rooms Computer Science Programming Quizzical	**Unit 30** Computer Science Programming Quizzical Information Technology Robotics E Safety Viruses

PSHE	**Valuing Difference** Recognising and celebrating difference, including religions and cultural Influence and pressure of social media *World Mental Health Day* *Black History Month* *Hate Crime Workshop* 	**Me and my Relationships** Feelings Friendship skills, including compromise Assertive skills Cooperation Recognising emotional needs *Road Safety awareness week* *Anti-Bullying Week* *Workshop for Anti-bullying week* *Wear Red For Thomas Day* 	**Rights and Responsibilities** Rights and responsibilities Rights and responsibilities relating to my health Making a difference Decisions about lending, borrowing and spending *Careers Week/Challenging Stereotypes* 	**Being my Best** Growing independence and taking responsibility Keeping myself healthy Media awareness and safety My community *Mental Health Awareness Week* *International Women's Day* *World Sleep Day* 	**Keeping Myself Safe** Managing risk, including online safety Norms around use of legal drugs (tobacco, alcohol) Decision-making skills *Well-being week* *Sun Awareness week* 	**Growing and Changing** Managing difficult feelings Managing change How my feelings help keeping safe Getting help First Aid-Emergencies Basic First Aid Bleeding *RSE* *Alcohol Workshop* *Pride Month* 

Music	<u>Classroom Jazz 1</u> Performance Focus	<u>Livin' on a Prayer</u> **Musical Genre: Rock** Artists: • Bon Jovi • Queen • Deep Purple • Status Quo • Chuck Berry • The Beatles *Christmas performance*	**Composer Focus: Holst** **British** **20th Century** Focus Piece: Mars from the Planet Suite	<u>Let you feel my love.</u> **Musical Genre: Ballard** Artists: • Adele • Bob Dylan • Luther Vandross • Lionel Ritchie • Tony Bennet Elvis Presley	<u>Fresh Prince of Bel Air</u> **Musical Genre: Rap** Artists: • Will Smith • De La Soul • Fugees • Sugar Hill Gang • MC Hammer Run DMC	<u>Dancing in the Street</u> **Musical Genre: Motown** Artists: • Four Tops • Marvin Gaye • Stevie Wonder Smokie Robinson
MFL	**Getting to know you** Focus: jobs, feelings	**All about ourselves** Focus: body parts, fashion items	**That's Tasty** Focus: drinks, time (open and closed)	**Family & friends** Focus: family names, animals	**School life** Focus: location of objects, subjects	**Time travelling** Focus: counting in 100s, French history, famous French people
Trips, special days, and Weeks	• Mental Health Awareness week • European Day of Languages • Black History Month • Holdenby House – WW11 trip	• Children in Need Day • Anti-bullying and Internet Safety Week • Halloween • Remembrance Day Maths Superhero Day	Book Week	• Science and Engineering Week • Careers' week/ Challenging Stereotypes	• Well-being Week • National Schools Sports Week.	Transition Day
English	Character descriptions Setting Letter writing	Summary Top trump card Biographies Remembrance poetry	Non-chronological reports	Discussion texts	Newspaper reports Monologue Instructions	Persuasive writing Narrative (The Explorer) - voyage and return

						Geography Link: Rainforests
Books (including visual texts)	Goodnight, Mr Tom- Michelle Magorian 	A biography of Walter Tull The Christmas Miracle of Jonathon Toomey 	Orcas- Visual Text	Orcas- Visual Text 	Tadeo Jones – Visual literacy 	The Explorer- Katherine Rundell 
Maths	*Maths is assessment led. Below is a guide to the areas of study.*					
	<u>Autumn Term</u> • Number: Place Value • Number: Addition and Subtraction • Statistics • Number: Multiplication and Division • Measurement: Perimeter and Area		<u>Spring Term</u> • Number: Multiplication and Division • Number: Fractions • Number: Decimals and Percentages		<u>Summer Term</u> • Number: Decimals • Geometry: Properties of Shape • Geometry: Position and Direction • Measurement: Converting Units Measurement: Volume	
Science	(Properties and Materials) **Marvellous Mixtures** Know that some materials will dissolve in liquid to form a solution and describe how. to recover a substance from a solution	((Forces) **Feel the force.** Explain that unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling object.	(Space) **Earth & Beyond** Describe the movement of the Earth, and other planets, relative to the Sun in the solar system. Describe the movement of the	(Properties and Materials) **Everyday Materials** Different properties make materials suitable for different uses (properties that can be measured) Compare and group together everyday	(Living things and their habitat) **Reproduction in plants and animals** Describe the differences in the life cycles of a mammal, an amphibian, an insect, and a bird.	(PDE) **All Change** Describe the changes as humans develop to old age. *Animals including humans see PDE.* Draw a timeline to indicate stages in growth and

	Use knowledge of solids, liquids, and gases to decide how mixtures might be. separated, including through filtering, sieving, and evaporating. Give reasons, based on evidence from comparative and fair tests, for the particular uses of everyday materials, including metals, wood, and plastic. 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, including changes associated with burning and	Identify the 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. Continued Below Explore falling objects and raise questions about the effects of air resistance. Explore the effects of air resistance by observing how different objects such as parachutes and sycamore seeds fall. Experience forces that make things begin to move, get faster or slow down.	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. Learn that the Sun is a star at the centre of our solar system and that it has eight planets: Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, and Neptune (Pluto was reclassified as a 'dwarf planet' in 2006). Understand that a moon is a celestial body that orbits a planet (Earth has	materials based on their properties, including their hardness, solubility, transparency, conductivity (electrical and thermal), and response to magnets	Describe the life process of reproduction in some plants and animals. Raise questions about their local environment throughout the year. Find out about the work of naturalists and animal behaviourists, for example, David Attenborough and Jane Goodall. Working Scientifically Secondary research, observing and comparing lifecycles. *Maths Links: Measuring* *Links to Geography and PDE*	development of humans. Learn about the different changes experienced in puberty. Find out about diverse types of reproduction, including sexual and asexual reproduction in plants, and sexual reproduction in animals.

	the action of acid on bicarbonate of soda Explore reversible changes, including, evaporating, filtering, sieving, melting, and dissolving, recognising that melting and dissolving are different processes. Explore changes that are difficult to reverse, for example, burning, rusting and other reactions, for example, vinegar with bicarbonate of soda. Find out about how chemists create new materials, for example, Spencer Silver, who invented the glue for sticky notes or Ruth Benerito, who invented wrinkle-free cotton.	Continued Below of friction on movement and find out how it slows or stops moving objects, for example, by observing the effects of a brake on a bicycle wheel. Forces Pupils should explore the effects Pupils should explore the effects of levers, pulleys, and simple machines on movement. *(D & T Link)* *Maths Link: Bar chart*	one moon; Jupiter has four large moons and numerous smaller ones). *Maths Links:* *Interpreting data* *Time* *Converting units of measure* *Measuring* *English Link: Non-chronological reports* *Persuasive writing* *D and T links – construct sundials and shadow clocks calibrated to show start and end of school day.* Explore why some people think structures such as Stonehenge may have been used as Astronomical clocks			

	Working scientifically – compare, observation, pattern, fair test, grouping and classifying, secondary research. *Maths Links: Graphing, Negative numbers, Weight, capacity, volume*					
Scientists	Spencer Silver, Arthur Fry, and Alan Amron – Post –it Notes. Ruth Benerito – wrinkle free cotton Sir Humphrey Davy – separating gases Jamie Garcia (BP Website) Invention of a new plastic Becky Schroder- fluorescence material	Isaac Newton – Gravity Albert Einstein – The theory of relativity Galileo Galilei – Gravity and Acceleration Archimedes of Syracuse- Levers	Sir Brian Cox Dr Sian Proctor- Analog Astronaut Margaret Hamilton – computer scientist – (Moon Landings) Stephen Hawkings (Black Holes) Mae Jemison – Astronaut Claudius Ptolemy- and Nicolaus Copernicus Heliocentric v Geocentric Universe Neil Armstrong (first man on the moon) Helen Sharman (GB Astronaut)	Jane Goodall- naturalist Sylvia Earle- Marine biologist Dr Paula Kahumbu- wildlife conservationist Mangala Mani- Antarctic Scientist Sir David Attenborough – Animal Behaviourist	Penicillin Alexander Fleming Louis Pasteur - Vaccination Eva Crane- Reproduction in Bees Virginia Apgar – obstetrical anaesthesiologist	

			Caroline Herschel 9 First to find a comet) Valentine Tereshkova – Cosmonaut			