



# St. Peter's RC Primary School – Medium Term Planning

**Class name:** Thunberg

**Year group(s):** 4/5

**Term:**

Summer 2

**Topic:** Forces

## Substantive Knowledge – Agreed key facts

**English:** *Biography – non-fiction* – a detailed description of someone's life written by another individual. Sir David Attenborough, born 8<sup>th</sup> May 1926, is a renowned broadcaster, biologist, natural historian and author. His most recent televised successes have included the franchise 'Planet Earth' and its sequel 'Blue Planet'.

**Maths:** Co-ordinates are a pair of numbers that indicate the position on a squared grid; 2d shapes can be marked on said grid and each vertex has a unique reference number; an angle represents a turn of one side to another and is measured using a protractor (angle measurer).

**RE:** Reconciliation – Inter-relating. Christians believe that, in Jesus Christ, the world has been reconciled to God. Through and in Christ, every human being is offered the power to reach out in forgiveness and peace, to receive and to offer reconciliation.

**Science:** 'Forces' – a push or pull in a specified direction which causes an object to either move and speed up, slow down or stop. These forces include (but not limited to) gravity (weight), air resistance, water resistance and surface resistance (friction). Mass is the amount of matter in an object; weight is a force caused by the pull of gravity exerted on an object.

**Geography (revisit):** Dartmoor National Park is an upland area (high elevation) in southern Devon, England, which comprises moorland, tors, rivers and bog areas. This covers an area of 954km<sup>2</sup> and contains significant Bronze Age through to Roman Age archaeology, as well as architecture (Dartmoor Prison) that was originally built for prisoners of war from the Napoleonic Wars (1803-1815).

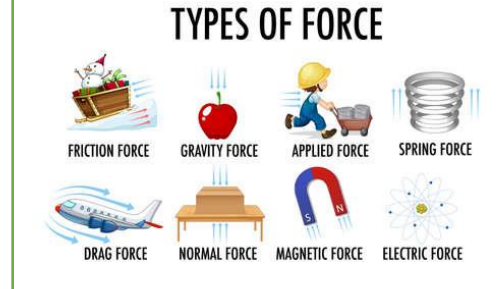
**Computing:** Scratch [Jnr] is a programming language that facilitates the 'snapping' together of pieces of code to make characters (sprites) move, jump, dance and sing. This sequencing of code creates algorithms that perform a repetitive function that be enabled and disabled.

**PE:** Netball is an invasion game where one team competes against another to score more points by throwing a ball into a hoop; travelling movements with the ball are illegal once in possession of the ball **except** to take one-step and pivot (static). Gymnastics involves the physical act of demonstrating the ABCs (agility, balance, control) with key body parts in an aesthetic manner.

**Music:** 'Reflect, Rewind & Replay' – a holistic selection of different music that reflects the musical engagement of the year. Music genres is a categorising manner of grouping and identifying similarly sounding pieces of music due to the instruments used and/or conventions followed.

**History (revisit):** The Stone Age lasted until approximately 3,300 BCE when the Bronze Age began (technology progressed to the use of bronze tools and weapons, over stone devices). The period of history was broken into three periods: Palaeolithic (Old Stone Age), Mesolithic (Middle Stone Age) and Neolithic (New Stone Age). Evidence of the Neolithic period is found on Dartmoor.

**PSHE & RSE:** 'Environment' (Compassion & Forgiveness) God is Love as shown by the Trinity (Father, Son and Holy Spirit) – a communion of persons supporting one another. This is like the 'human family' that supports one another in charity and generosity.



**Virtue and British Value focus:** Commutative Justice – how we behave towards one another; Mutual respect and tolerance for others.

**Catholic Social Teaching:** 'Solidarity' – showing we care by actively building and sustaining relationships with our brothers and sisters, even in conflict.

**Reading:** Application of *VIPERS* skills: identify **vocabulary**; **infer** meaning (words and phrases); **predict** outcomes (based on prior text); **retrieve** answers; **summarise** key points.

**Oracy:** Voice 21 TALK ROLES and personalised question stems: Instigator; Prober; Challenger; Clarifier; Summariser; Builder.



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# Disciplinary Knowledge – Agreed key skills

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**English:** Identify the features of a non-fiction biography (e.g. colons to introduce listed information; brackets for additional information; dashes for parenthesis), and use these to draft, edit and improve a piece of writing modelled on a biography of Jane Goodall – Chimpanzee Champion.

**Maths:** Plot grid references (co-ordinates) on an x/y axes graph; reason and problem solve missing co-ordinates of regular and irregular 2d shapes plotted; measure angles of turns in degrees (using a protractor and calculating using given measures); accurately draw lines and angles using a ruler and protractor.

**RE:** Make links between the beliefs and life of a Christian, giving reasons for their actions and choices; express a point a view, giving reasons for it; show a knowledge and understanding of scripture, and link this with the church community.

**Science:** Ask relevant questions that can be investigated; gather, record and classify data from investigations; record observations using appropriate scientific vocabulary, drawings and scientific labelled diagrams.

**Geography (revisit):** Study a region of the UK when applying the skills of reading and interpreting maps, and the fieldwork skills of sketching and photography. Study environmental regions and the key characteristics of these areas; analyse available evidence and draw conclusions with other areas of similar geology studied.

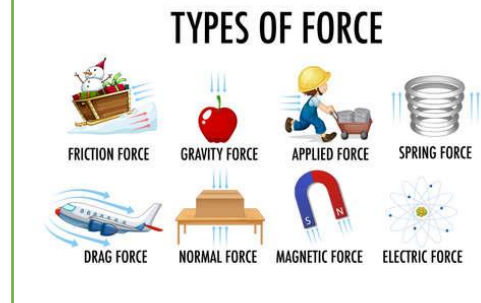
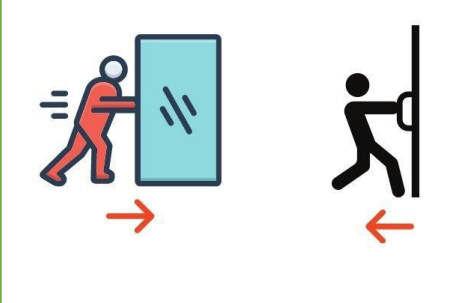
**Computing:** Use logical reasoning, detect and correct errors in algorithms and programs; use sequence, selection and repetition in programs (Scratch [Jnr] to enable count-controlled and infinite loops.

**PE:** Perform ball-handling skills with control & consistency; use a variety of passes; understand the footwork rule; develop team skills of keeping possession & moving into space; apply attacking & defending strategies in competitive games. Revisit gymnastic actions and compositional ideas; explore, create & perform compositional sequences; evaluate, discuss and improve sequences.

**Music:** Listen to and appraise a song, identifying and commenting on the composition using appropriate terminology. Perform and share an improvisation of a specific piece of music (genre-inspired).

**History (revisit):** Place events from period studied on a timeline; use various sources to gain historical knowledge and evaluate their usefulness compared with others (fact or fiction); use various means of research independently.

**PSHE & RSE:** Talk and write about their opinions – explain their views; face new challenges positively, recognising where to look for help; develop relationships through work and play – contribute to a team.



**Class text:** Read Me 2: A Poem for Everyday Of The Year; The Last Kids on Earth (Max Brallier) *continued*; Everdark (Abi Elphinstone).

**Key vocabulary:** Forces; resistance; reconciliation; biography; non-fiction; sprites; sequence of code; algorithm; footwork rule; static; co-ordinates; axes; angles; protractor.

**Opportunities for home learning:** TTRS and IXL; weekly spelling and retrieval practice (historical learning); weekly reading aligned with AR 'ZPD'.

**Trips and visitors:** Field trip to Dartmoor