



St. Peter's RC Primary School – Medium Term Planning Substantive Knowledge – Agreed key facts

Class name: Thunberg **Year group(s):** 4/5 **Term:** Summer 1 **Topic:** Shadow and Light

English: *Narrative – story (fiction)* – a text that shares an account of related events and experiences. Anthony Browne is a British writer and illustrator famous for children's literature including 'Gorilla', 'Voices in The Park' and 'My Dad.' From 2009 to 2011, he was Children's Laureate (to celebrate outstanding achievement in their field [of children's literature]).

Geography: 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 954km² 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).

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.

Virtue and British Value focus: *Peace* – we are united with our neighbour (a part of

Charity); *Mutual respect and tolerance* – we are fair and permissive to the views of others.

Maths: Fractions are the representation of a part to its whole e.g. $\frac{1}{2}$ The first value is the part out of the whole (numerator); the second value is the whole number of parts (denominator). Multiple different fractions can represent the same amount of a whole e.g. $\frac{1}{2} = \frac{2}{4} = \frac{5}{10}$; where the numerator is greater than the denominator, the fraction is greater than one whole e.g. $1\frac{1}{2} = \frac{3}{2}$

Computing: Turtle Logo™ is an interface used to create graphic images using the programming language of Logo (the turtle is an imaginary pen that denotes where commands result in visible outcomes). Where errors occur in the set of ordered instructions, 'debugging' finds and fixes the erroneous code.

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.

Catholic Social Teaching: Stewardship – caring for God's gift. How can we take responsibility for our homely environment, so that future generations can enjoy it too?

RE: Pentecost – Serving. Christians believe

that the Spirit of God is active in all individuals, and in a community of believers, this is an extension of the Church; it is the mission of the Spirit (just like during the events of Pentecost) to enable individuals to hear God's message and promote living to Jesus' example.

PE: OAA (Outdoor Adventurous Activities) consist of teamwork-based challenges requiring the 3 Cs (co-operation, communication and consideration) to be applied; athletics is the physical discipline of running, jumping and throwing (running for distance; running for speed; jumping for height; jumping for distance; throwing to pull, push or sling); this is within a pentathlon.

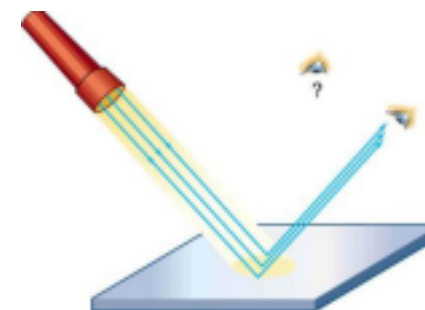
Art and Design: Vincent Bal (Belgian filmmaker and shadow artist) uses everyday objects to create shadows that evoke the shape and form of another object e.g. elephant. Small 'doodle marks' are added to turn the everyday shadow into an illustrative work of art.

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

Science: 'Light' – in order to see an object, it must first be illuminated by a light source; where there is no light (absence of light), there is darkness. This light reflects into our

eyes, enabling us to see; if there is no reflection, the light has been absorbed and appears black.

Music: 'Stop!' by Joanna Mangona. Rap – a genre of music that incorporates rhyme, rhythmic speech and street vernacular (slang). Rap differs from spoken-word poetry due to a back beat (musical) accompaniment. Revisit the terminology of tempo, pitch, melody, rhythm, texture, pulse (beat) and structure.



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



St. Peter's RC Primary School – Medium Term Planning Disciplinary Knowledge – Agreed key skills

Class name: Thunberg **Year group(s):** 4/5 **Term:** Summer 1 **Topic:** Shadow and Light

English: Identify features of a story narrative (e.g. use of relative clauses; repetition of sentence structures; modal verbs within questions), and use these to draft, edit and improve a piece of writing inspired by Anthony Browne's 'Gorilla.'

Geography: 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

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conclusions with other areas of similar geology studied.

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.

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

Maths: Recognise equivalence between fractions e.g. $1/10 = 10/100$ and simplify their form; identify fractions that are greater than 1 (one whole); convert fractions that are greater than 1 from mixed to improper, and improper to mixed; compare and order fractions (in various orders).

Computing: Use logical reasoning, detect and correct errors in algorithms and programs; use sequence, selection and repetition in programs (Turtle Logo™).

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.

Key vocabulary: Trinity (Father, Son and Holy Spirit); genres of music (rap); OAA (Outdoor Adventurous Activity); Pentathlon;

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.

PE: Develop communication and co-operation skills through problem solving; understand safe practice and recognise hazards; discuss actions, listen to and give instructions; refine running, jumping and throwing for differing scenarios; perform as an athlete in a multi event athletics competition.

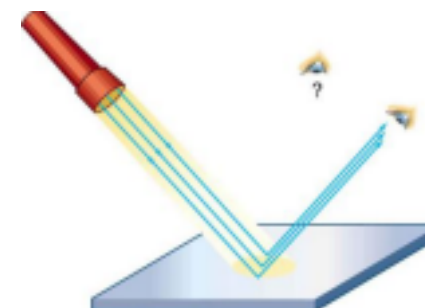
Art and Design: Create a sketchbook of imitated designs to review and revisit from first hand observation; question and make thoughtful observations about starting points (objects to use and orientation of said objects) and select ideas (form and shape evoked) to use in their work.

Opportunities for home learning:

TTRS and IXL; weekly spelling and retrieval practice (historical learning); weekly reading aligned with AR 'ZPD'.

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.

Music: Listen to and appraise a song, identifying and commenting on the composition using appropriate terminology. Perform and share an improvisation of 'Stop!' with singing and rapping.



Trips and visitors: Virtual tour of Dartmoor National Park