



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

Class name: Thunberg

Year group(s): 4/5

Term: Spring 1

Topic: Mountains – why live up one?

Substantive Knowledge – Agreed key facts

English: *Poetry (fiction)* – a type of literature that aims to evoke an emotional response in the reader through language chosen and arranged for its meaning, sound and rhythm. The Highwayman, by Alfred Noyes, is a famous narrative poem that exemplifies these rich text-level features. Grammar, Punctuation and Spelling are the fundamental building blocks of the English written language.

Maths: Perimeter is the continuous outside measure of a shape. Area is the 'space taken up' by a shape on an area of space. Addition is the inverse of subtraction (and vice versa). Like multiplication and division, fact families can be created to show the inverse relationship of calculations e.g. $6 + 4 = 10$, so $10 - 4 = 6$ and $10 - 6 = 4$.

RE: *Local Church – COMMUNITY* As a Church community, the liturgical cycle involves many occasions for celebration and reflection. Such times involve attendance at Mass, where we say thank you in celebration and more formal, special moments involve the sacraments. *Sikhism* – the world's fifth-largest religion worldwide, Sikhism originated in the Punjab region of the Indian subcontinent.

Science: *Properties of materials* – in physics, a state of matter is one of four distinct forms that matter can exist in. These four forms (solid, liquid, gas and plasma) are observable in everyday life and all have specific properties that are better suited for certain engineering purposes. The first three states were first identified by the Ancient Greeks, but named them 'classes' after observations of water.

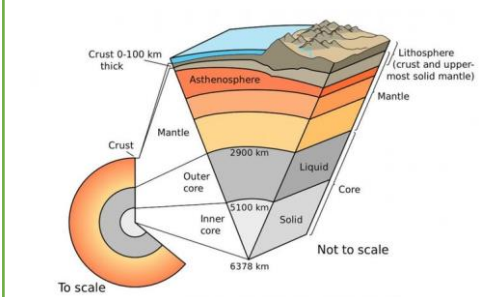
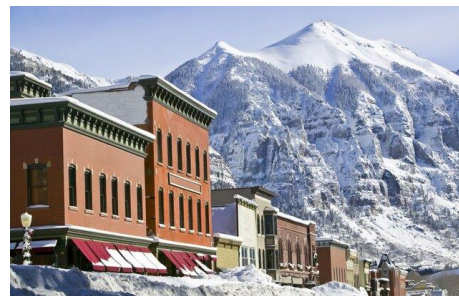
Geography: *Mountains – Why live up one?* Mountains can be classified as either fold mountains or volcanoes; volcanoes can be either active, dormant or extinct. Volcanic mountains erupt products including lava, pyroclastic flows, ash clouds and lahars. These products can be both advantageous and disadvantageous for the surrounding area.

Computing: *Creating media – Audio production* Audio (sound) requires an input to record, and an output to listen to. Audacity is a piece of software that enables audio editing to create sound files, including podcasts (a digital, audio recording of someone speaking).

PE: Dance is the deliberate practice of moving rhythmically and expressively, in a coordinated manner. Different dances have unique actions. Football is a team sport that involves kicking a ball (dribbling, passing, shooting) to score a goal. It is an invasion game of two teams aiming to score more goals.

Design and Technology: Cooking and nutrition – celebrating culture and seasonality. Cooking or cookery is the art, technology and craft of preparing food for consumption with or without the use of heat. Gastronomy is the study of the relationship between culture (groups of people) and food, and when this happens (seasonality).

MFL: *Spanish* – an example of a Modern Foreign Language (MFL) that is spoken readily around the world; they are not to be confused with 'classical languages', such as Latin or ancient Greek. Originally derived in the Iberian Peninsula by the Romans in the late 3rd century BC, Spanish was historically called Vulgar Latin, or spoken Latin.



PSHE & RSE: Staying safe online is as important as staying safe 'offline' (day-to-day life), and this comes as part of being more responsible with individual choices.

Virtue and British Value focus: Magnanimity – we undertake difficult tasks with courage and confidence; Mutual respect and tolerance for others.

Catholic Social Teaching: Putting people in most need first (preferential option of the poor).

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

Topic: Mountains – why live up one?

English: Identify features (shapes) of a poem (The Highwayman) and use grammatical and figurative devices – including grammar, punctuation and spelling – to draft, edit and improve a piece of narrative poetry.

Maths: Calculate the perimeters of shapes (rectangles and rectilinear); calculate the missing dimensions of said shapes. Add and subtract two 4-digit numbers using the column method; recognise and use the knowledge of equivalent difference and other mental methods. Estimate answers to addition and subtraction when applying knowledge of rounding to significant figures.

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: Make observations and identify visible similarities and differences; use said observations to compare and group based on observable properties; record observations using appropriate annotations (diagrams, tables); plan and carry out an investigation to test a prediction; make systematic observations; research scientific processes to develop understanding and deepen learning.

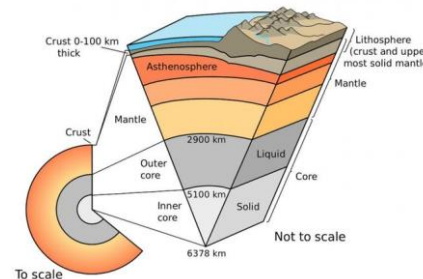
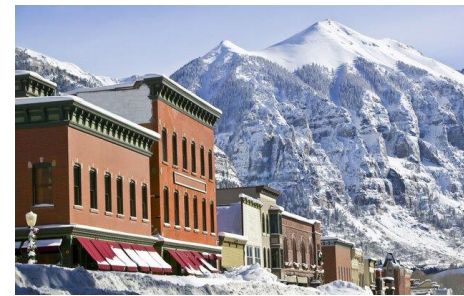
Geography: Identify different world maps by identifying perspective used e.g. Pacific-centred map; recognise elevation and oblique view and explain their similarities and differences; spatially match locations on maps (mountains and volcanoes) of different scales and compare with aerial photographs; explore effects of physical geography a local, national and global scale.

Computing: Identify input and output devices that are required to work with sound digitally. Discuss the ownership of digital audio and the copyright implications of duplicating the work of others. Use sound recording software to record, edit and save audio files created ready to export for listening and evaluation.

PE: Develop flexibility, strength, technique, control and balance through performing dances using a range of movement patterns. Pass, receive dribble, turn and intercept with increased accuracy; shoot at a goal or target to score with placement and power; develop team play of passing and moving into space; participate in a small sided tournament.

Design and Technology: Use appropriate equipment and utensils, and apply a range of techniques for measuring out, preparing and combining ingredients; join and combine materials (ingredients; food) in permanent ways; demonstrate hygienic food preparation and storage.

MFL: Listen attentively to spoken language and show a developing understanding by joining in and responding; explore the patterns and sounds of language through songs and rhymes and link; engage in conversations: ask and answer questions; speak in sentences, using familiar vocabulary, phrases and language structures; develop accurate pronunciation and intonation.



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: 'KICK' (Mitch Johnson *continued*)

Key vocabulary: Crust, mantle, outer core, inner core, fold mountain, volcanic mountain, culture, gastronomy, community, celebration,

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

Trips and visitors: 'Google Earth' exploration of mountainous areas from around the world, using the satellite overlay.