

Topic Hook	What is a mountain?					
	Suggested Activities	Enrichment Activities	Writing Opportunities	Numeracy- Application of skills	ICT- Application of skills	Assessment
Science	<p>Forces Explain the effect of gravity on objects on Earth. Identify the effects of air resistance, water resistance and friction. Explain how small forces can have a greater effect by using mechanisms. Working scientifically Taking measurements with increased accuracy. Identifying scientific evidence that has been used to support arguments.</p> <p>All living things Describe how living things are classified into broad groups. Give reasons for classifying plants and animals based on specific characteristic. Working scientifically Recording data using classification keys, scatter graphs etc. Recording data using classification keys, scatter graphs etc.</p> <p>Observing over time- mould experiment Pattern seeking- force experiment Fair testing- mould experiment, plant identification experiment, forces experiment Researching using secondary sources- work on Carl Linnaeus Identifying/ classifying/ grouping- use of classification charts</p>	Experiments Video clips Space exploration	Explanation text-forces Non chronological report- life cycles Written findings from scientific investigations.	Recording data using classification keys, scatter graphs etc.	Presenting work and findings on electronic graphs. Tools needed for experiments e.g. stopwatch.	

STEM	Bridge building competition- weight / paper bridges. Test different materials to build a variety of bridges. Which material will make the strongest bridge? Is there anything that can strengthen your bridge?					
Career Links	Live Zoom meeting with Al Sylvester- Mountaineer. Discussion about mountain expeditions and career opportunities. Career opportunity- engineers- links with DT (structures). Dentist visit- Oral hygiene					
Global Links	Explore endangered species- design an awareness campaign involving local radio stations, news boards etc Work with forest school to create bug hotels etc Speak with caretaker about making sure all of our rubbish is 'wildlife friendly' Tourism- Implications of tourism on local areas e.g. economy, environmental factors.					
History	Historical Expeditions Investigation into the life of Mallory. Use a range of sources of evidence to draw conclusions about the validity of Mallory's expedition. Research previous climbers of major mountains and record breakers. Compare and contrast expeditions to Everest throughout modern history. <i>(Similarity and difference)</i>	Orienteering activity- outside on the school yard/ field. Artefacts exploration- links with novel.	Diary entries, letter writing. Poetry linked with class novel (If).	Measurement related to mountains/ time etc. Data analysis. Shape- angles.	Research.	
Geography	Mountains- human and physical geography Learn about the formation of mountains- practical activities to create how mountains are made. Investigate climate conditions in various mountain regions. Investigate tourism in various countries and the implications on the local economy. Sustainability. Use and compose 6 figure grid references for areas of significance. Locate significant mountain ranges using geographical features (longitude, latitude etc) and compare the key physical and	Make exploding volcanoes. Make mountain formation models. Mountain climber talk.	Instruction writing for climbing activities.	Conversion graphs. Temperatures linked with global warming.	Interactive video clips and links.	

	human characteristics of regions.					
Art	Investigating and Exploring: Use a range of visual techniques to explore Hokusai's work. Study of Japanese artist Hokusai: Drawing: Study the work of Japanese artist Hokusai using a wide range of techniques to create different effects. Painting: Use brushstrokes to indicate changes in shape and form to investigate Hokusai's - The Great Wave.	3d painting techniques.	Biography writing based on artist. Art appreciation writing.	Shape.	Research into artist.	
Music	Improvise and Compose music Charanga- Dancing on the Street Unit Using key vocabulary including pulse, timbre, dynamics, rhythm and explore these with a variety of musical pieces. Learn the song - Dancing in the Street exploring the notes using voices and instruments.	Musical performance Music sessions from musician.	Evaluation of music. Personal response to music.	Design own music using symbols and shapes.	Charanga	
D/T	Structure: Playgrounds Design and build a model playground with working model equipment Digital world: Navigating the world Design and create a navigation tool based on a design brief	Links with STEM activities.	Instructions.	Measurement.	3d CAD design.	
RE	How and why do people care about the environment? Why are Good Friday and Easter Sunday the most important days for Christians?	Interactive church visits. Virtual interviews with people of faith.	Posters- care for the environment.	Data analysis and statistics- graphs, pie charts etc.	Research and video links.	
P.E	Real PE- Social Lessons 13-18	Links with Science and the	Non chronological	Recording pulse rate and		

	<p>Dynamic balance on a line Counter balance with a partner</p> <p>Physical 19-24 Jumping and landing One leg static balance</p> <p>Team games- Netball</p>	<p>impact of exercise and a healthy lifestyle.</p>	<p>reports based on health and fitness.</p>	<p>recording. Interpreting graphs.</p>		
MFL	<p>Unit 6- Le Monde (the world) (PPA)</p> <p>Unit 7- Mon ecole et moi (My school and me)</p>	<p>Links with French speaking countries and geography focus.</p>	<p>Writing conversations.</p>	<p>Arithmetic links (answers in French)</p>	<p>BBC French Interactive songs and videos.</p>	
ICT	<p>Creating media: webpage creation Create a webpage based on mountain learning</p> <p>Data and information- spreadsheets Collate data based on mountaineers and present using spreadsheets</p> <p>Creating media: 3D Modelling Design and create a 3d model using computer systems</p>	<p>Use of green screen in topic- mountain expedition.</p>	<p>Word processing opportunities</p>	<p>Computer processing to produce graphs and data analysis.</p>	<p>Use of Google Maps.</p>	
PHSE	<p>Mental Health and its impact- Discuss body image and its impact on mental health. Look at the role of social media and filtered photographs.</p> <p>British Values- Investigate the role of democracy, rule of law, individual liberty, mutual respect and tolerance.</p>	<p>Operation Encompass</p>	<p>Diary entry Agony Aunt letters Speaking and listening.</p>		<p>Videos</p>	