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| **What? (Key Knowledge)** |
| Names | World mountains ranges include the; Alps, Rockies, Andes, HimalayasUK mountains: Ben Nevis (Scotland), Snowdon (Wales), Scarfel Pike (England), Slieve Donard (N Ireland) |
| How are they formed | The Earth is made up of layers (crust and mantle). The crust is split into tectonic plates which move. Tectonic plates push together to form fold mountains. Other mountain types are Volcanic mountains and Dome mountains. |
| Impact on weather | Areas of high altitude experience colder temperatures and increased wind exposure. Mountainous areas experience high rainfall (relief / orographic rainfall). The leeward side of the mountain is dry (rain shadow). |
| Land use and economy | High relief areas limit land use, it is hard to build, transport links, and crop farming is difficult. Land used for animals, tourism. |
| Maps | Children can use a range of maps, including OS and topographic maps and aerial photographs to identify and describe mountains. Mountains in maps are |

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| **Geography**  | **Mountains** |

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|  | **What? (Key vocab)** |
| **Spelling** | **Definition** |
| Mountain (range) | A large natural elevation of the earth's surface rising abruptly from the surrounding level |
| Contours | A **contour** line joins points of equal elevation (height) above a given level, such as sea level. |
| Topography | The arrangement of the natural and artificial physical features of an area. |
| Tectonic Plates | Sections of the Earth’s crust which move slowly over the mantle |
| Crust | The hard rocky layer of the earth |
| Mantle | The hot viscous layer of theearth made up of melted rock |
| Fold Mountains | Mountains formed by the pushing together of tectonic plates |
| Orographic/ relief rain | Precipitation formed by air moving over mountains. |
| Land use | What an area of land is used for |
| **Diagrams and Symbols** |  | Windward and Leeward side | The sides of a mountain, facing the wind, and away from the wind. |
| Image result for tectonic plates map  Image result for contour map  |
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|  | **Possible experiences** |
| Use atlases to identify and describe the world’s/ Uk’s mountains and mountain rangesTo explain the formation of mountains using diagramsTo explore contours using potatoesShow rainfall, temperature and topographic maps of the UK, children reason how altitude impacts climate. |