Year 4 DT Spring 1

Building a structure to withstand an earthquake and volcanic eruption.

Types of Tectonic Plates

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| **Key Knowledge** |
| Structures need to be stable and solid. |
| Choose appropriate material and explore different ways of combining them. |
| Draw a labelled diagram of their design including measurements. |
| Decide how to make a structure sturdy by testing different ways. |

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| **Key Vocabulary** |
| PurposeModelStabilityStructureTectonic PlateShock AbsorberCross BraceRichter ScalePyroclastic Flow |

The cross section of a volcano

The objective is to research, design and make a structure that can withstand an earthquake and a volcanic eruption. Points to consider.

* What will I need to think about?
* How big or small will it be?
* Which architectural influences will I use?
* Which materials will I use?