|  |  |  |
| --- | --- | --- |
| *DT* FLE Y3/4 Making Volcanoes | | |
| How to Make a Paper Mache Volcano - Viva VeltoroSt John's CofE Primary School - Design Technology (DT)What Happens When a Volcano Erupts? | | |
| |  | | --- | | **Forever Facts** | | To understand how pneumatic systems work. | | Develop and use knowledge of how to construct strong, stiff shell structures. | | Develop and use knowledge of nets of cubes and cuboids and, where appropriate, more complex 3D shapes. | | Know and use technical vocabulary relevant to the project. |  |  | | --- | | **Skills** | | I can investigate how pneumatic systems work and incorporate this in my design. | | Use annotated sketches, prototypes, final product sketches and pattern pieces; communication technology, to develop and communicate ideas. | | Plan the main stages of making | | Select from and use a range of appropriate utensils, tools and equipment with some accuracy related to their product.  To make and evaluate a model of an erupting volcano in small groups. | | Select from and use finishing techniques suitable for the product they are creating. | | Test their product against the original design criteria and with the intended user. | | Evaluate the ongoing work and the final product with reference to the design criteria and the views of others. | | |  | | --- | | **Exciting Books** | | Everything: Volcanoes and Earthquakes (National Geographic Kids) | | | | | |  |  | | --- | --- | | **Subject Specific Vocabulary** | | | pneumatics | Pneumatics is the use of compressed air for mechanical motion | | volcano | A volcano is an opening in the Earth's crust that allows magma, hot ash and gases to escape. | | mechanism | A mechanism modifies input forces and movement into a set of output forces and movement that the user desires. | | design | A plan or drawing produced to show the look and function of something before it’s made. | | evaluate | Evaluating is the process of deciding if you've done something the best way, and looking at what could be improved. |   **SMSC:** *Spiritual – reflect on self-awareness. Moral - learning about our responsibilities within a group. Social – many opportunities to work collaboratively to share and reflect on their own values and opinions. Cultural - value diversity when working in groups.* |
| Our Endpoint |