

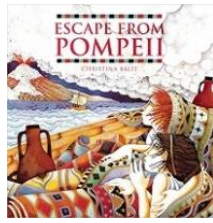


FAIRFIELD
SPENCER ACADEMY

Year 3

Autumn 1

Rocks are lively



Curiosity and
Intrigue



Geography

Europe : A continent in the world.

Italy : A country in Europe.

Rome : The capital city of Italy.

Pompeii : A city in Italy and the home to Mount Vesuvius.



Mount Vesuvius is the only active volcano on mainland Europe. It is best known because of the eruption in 79AD that destroyed the cities of Pompeii and Herculaneum.



Vocabulary

Word	Definition	Picture
volcano	A mountain or hill made from melted rock that builds up around such an opening. <i>Lava erupts from a volcano.</i>	
erupt	To break or burst out suddenly. <i>A bottle erupted onto the floor.</i>	
active	Always doing something. <i>Active volcanoes have a recent history of eruptions.</i>	
dormant	Not active. <i>A dormant volcano is one that has not erupted for years.</i>	
formation	The way in which something is put together. <i>Rock formations can be found in underground caves.</i>	

Types of Rocks

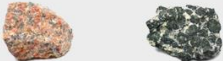
Igneous Rocks

Formation
Through solidification of magma or lava

Characteristics
No layers; Hardest of all

Types

Intrusive
(Slow cooling of magma)

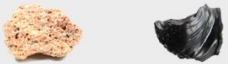


Granite Diorite



Gabbro

Extrusive
(Rapid cooling of lava)



Pumice Obsidian



Basalt

Sedimentary Rocks

Formation
Through compaction of sediments

Characteristics
Distinctly layered; Easy to crumble

Types

Clastic
(Compaction of broken rocks)



Sandstone Conglomerate

Chemical
(Compaction of dissolved minerals)



Iron ore Rock salt

Organic
(Compaction of organic materials)



Coal Limestone

Metamorphic Rocks

Formation
Through transformation of older rocks

Characteristics
May or may not have layers; relatively harder

Types

Foliated
(Distinguished by layers)



Slate Gneiss



Phyllite

Non-foliated
(No distinguishable layers)



Marble Quartzite



Hornfels



hello *bonjour*



hi *salut*



goodbye *au revoir*

Computing

It's not always easy to know what's safe online and what's not. There are some things that can help you to keep safe and to know what to do when things go wrong.

- S - Safe
- M - Meet
- A - Accepting
- R - Reliable
- T - Tell



- Be SMART with a heart!

Use a phone or tablet to scan the QR code for more information.

Learning Destination

Design and make a 3D volcano.
We will be taking inspiration from Mount Vesuvius.

