

Science Experiments



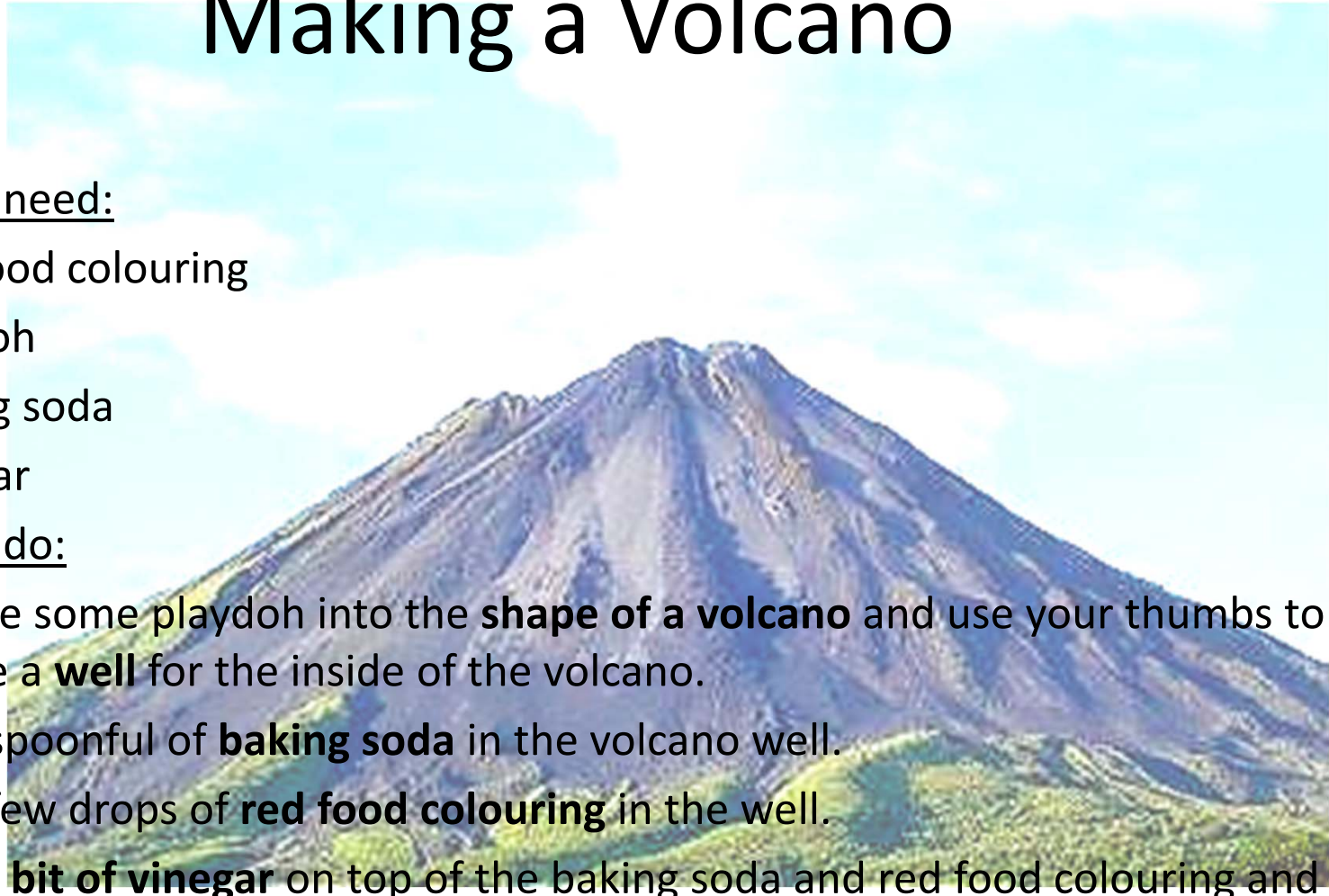
Making a Volcano

What we need:

- Red food colouring
- Playdoh
- Baking soda
- Vinegar

What we do:

1. Shape some playdoh into the **shape of a volcano** and use your thumbs to make a **well** for the inside of the volcano.
2. Put a spoonful of **baking soda** in the volcano well.
3. Put a few drops of **red food colouring** in the well.
4. Pour a **bit of vinegar** on top of the baking soda and red food colouring and stand back.....



Shiny Coins

What we need:

- Paper towel
- Lemon juice
- Plastic bowl
- Dirty/old copper coins

What we do:

1. Fill the bowl with **some** lemon juice.
 2. Put the dirty copper coins in the juice and let them **soak for a few minutes.**
 3. Remove the coins from the cup/bowl and place on the **paper towel..**
- Oxygen in the air reacts with copper, making a copper oxide coating. This is what makes copper coins dirty. The acid in the lemon juice reacts with the oxide and removes it from the coins – making then shiny copper coin.



Soapy Froth

What we need:

- Vinegar
- Bowl
- Washing powder

What we do:

1. Take a **spoonful** of washing powder and place it in the bowl.
 2. Add **several drops** of the vinegar onto the soap powder in the bowl.
- **Watch to see what happens.**
 - **This reaction becomes a bubbling froth that gives off carbon dioxide gas. Once it finishes frothing, it leaves behind a salt substance that is not edible (DO NOT eat this salt). This chemical reaction is caused by the vinegar acting as the acid and the soda is the base.**

Runaway Pepper

What we need:

- Bowl
- Dash of pepper
- Washing up liquid

What we do:

1. **Fill** the bowl with water.
 2. **Sprinkle** a dash of pepper in the bowl of water.
 3. Add a **drop** of washing up liquid.
- The pepper runs away from the washing up liquid. This is because the washing up liquid breaks the surface tension of the water and the tension on the rest of the water pulls the floating pepper away from the washing up liquid.

