

## Card 9 - Lighting a Fire

\*Only light a fire if it is safe to do so and with an adult. Never light a fire in a dry forest.\*

### Instructions

1. Cotton wool acts as good tinder (it lights from a spark).

Place a ball of cotton wool onto a hard, dry surface.

2. Hold the metal rod close to the tinder, and quickly push the striker down the rod to create sparks. You will need lots of tries to get this right. Make sure you have water to hand.

3. Once the tinder is lit, gradually add your kindling (thin sticks) to keep the fire going.

4. Using a long fork or a long stick, toast your marshmallow over the fire. Eat and enjoy!

### You will need:

- Cotton wool
- Flint & steel
- Thin sticks
- Marshmallows
- Water



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## Questions

- R** 1a. What is tinder?  
1b. What is kindling?
- U** 2. What does 'gradually' mean in step 3?
- A** 3. Why should you never light a fire in a dry forest?
- A** 4. Why is it important to have water to hand?
- A** 5. Is cotton wool the only type of tinder? How do you know?
- A** 6. Why will you need lots of tries to start the fire?
- E** 7. What is the benefit of using a long fork or long stick to toast your marshmallow?



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## Card 10 - Volcano Report

### What is a volcano?

A volcano is typically a mountain or hill that has a crater through which lava and gas have erupted.

### Do all volcanos erupt?

All volcanos have erupted or will erupt at some point; however, over time some volcanos become extinct and will never erupt again - like Arthur's Seat in Edinburgh.

### Do volcanos ever kill people?

Volcanos can be deadly, although scientists are much more able to predict eruptions and save people now. The eruption of Mt. Vesuvius in 79A.D. is thought to have killed over 16,000 people in the Roman city of Pompeii. The volcano is still active to this day.



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## Questions

- R** 1. Name one extinct volcano. Name one active volcano.
- R** 2. List all of the sub-headings used in this report.
- U** 3. What does it mean if a volcano is 'active'?
- U** 4. What does it mean if a volcano is 'extinct'?
- A** 5. Did Arthur's Seat ever erupt? How do you know?
- A** 6. Why do you think that scientists didn't save the people of Pompeii?
- E** 7. Why do you think that some people live near active volcanos?



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