

SCIENCE

Year 4/Primary 5

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PARENT PACK

Volcano Village

TASK:

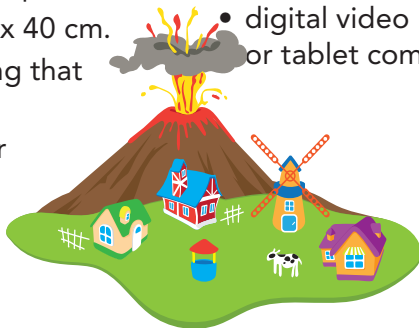
Design and make a model volcano village to show the effects of lava flow on surrounding areas.

CRITERIA:

- The volcano must be made from plastic modelling clay and have a hole in the middle for the 'lava'.
- The surrounding landscape can be made from any classroom materials available or from actual plants.
- The village should be no more than 40 cm x 40 cm.
- The base of the volcano should be something that doesn't absorb water, like a plastic tray.
- The lava ingredients should be added after the model is completed and a video recorded of what happens.

SUGGESTED MATERIALS:

- plastic tray
- plastic modelling clay
- lava: vinegar; bicarbonate of soda; food colouring; and drops of dishwashing liquid
- digital video recorder or tablet computer



Volcano Village

- Find out about the structure of a volcano and the effects of a volcano erupting. Research how vinegar and bicarbonate of soda interact to recreate a lava flow.
- Draw a plan of what your volcano village will look like.
- Collect the materials you will need, including plastic modelling clay, vinegar, bicarbonate of soda, food colouring, dishwashing liquid, a plastic tray and any materials to create a miniature village landscape surrounding your volcano.
- Create the volcano village to look like your plan.
- Check that the volcano village meets the criteria.
- When the model is complete, add the vinegar and bicarbonate of soda to create the eruption. Remember to film the eruption and show it to your classmates.

