

## National Geographic Kids Reader: Volcanoes

### Notes for teachers: using this book in the classroom

**Reading objectives:** read most words quickly and accurately, without overt sounding and blending, when they have been frequently encountered; discuss and clarify the meanings of words; be introduced to non-fiction books that are structured in different ways; discuss the sequence of events in books and how items of information are related

**Spoken language objectives:** give well-structured descriptions, explanations and narratives for different purposes, including for expressing feelings; participate in discussions, presentations, performances, role play/improvisations and debates

**Curriculum links:** Geography: Human and physical geography; Geographical skills and fieldwork

**Interest words:** magma, magma chamber, vent, eruption, tsunami, caldera, Kimanura volcano, Zaire, Thingvellir, Iceland, Surtsey, Mount Merapi, Indonesia, Karymsky Volcano, Tungurahua Volcano, Ecuador, Olympus Mons, Mauna Loa, Hawaii(an), Paricutin Volcano, Mount Mazama, Krakatau, Kilauea, Kyushu Island, molten, earthquake, stratovolcano, supervolcanoes, Pahoehoe, Aa, Pele's Hair, Pumice

**Pronunciation guide:** caldera (*col-dair-uh*), Zaire (*Zai-eer*), Tungurahua (*Tun-gur-ah-wuh*), Mauna Loa (*mor-nuh loh-uh*), Krakatau (*Krak-uh-toh-uh*), Kilauea (*kee-low-ee-uh*)

**Resources:** paper; pencils; modelling materials (optional)

Children who are reading at Purple and Gold book bands should be able to read longer and more complex sentences and tackle more challenging and less familiar vocabulary with increasing independence. They may still need support from adults to help maintain fluency and to develop understanding as ideas become more complex, and more inference and deduction is required. Guided and Independent reading opportunities can be used to develop these skills.

### Language

- Most of the language in this book will be manageable to children reading at this level and many words will be decoded independently. Some discussion may be needed in guided groups to develop comprehension as less familiar and topic-related vocabulary is introduced. Children may need help with the following:
  - decoding and understanding some of the words contained in Word Blast boxes: *magma, magma chamber, vent, eruption, tsunami, caldera.*
  - reading the names of volcanoes and their locations: *Kimanura volcano Zaire, Thingvellir, Surtsey, Mount Merapi Indonesia; Karymsky Volcano; Tungurahua volcano, Olympus Mons, Mauna Loa, Hawaii(an), Paricutin volcano, Mount Mazama, Indonesia, Krakatau, Kilauea, Kyushu Island.*
  - reading topic-related language, e.g. *molten, earthquake, stratovolcano, supervolcanoes, Pahoehoe, Aa, Pele's Hair, Pumice.*

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- Children may need help using the organisational devices, e.g. the table of contents to find information, the alphabetically organised glossary.
- Children may need to discuss how to use a range of cues to make full meaning as they read, e.g. on pages 4–5, children need to understand that information from the title, diagram and labels, word blast box and explanatory text in an extended paragraph can be used to understand how a volcano is born.
- Children may need help to make meaning from less familiar formats, e.g. how to use the map on page 12–13 to make sense from the explanatory text.

## Images

- Look at the image on the front cover. Ask children to describe what they can see.
- Look closely at the different volcanoes on pages 16–21 and compare their shapes and formations. Look at the other volcanoes featured in the book and see if children can identify any other cone, shield or stratovolcanoes.

## Activities

- Use an atlas or a digital map to try to locate the volcanic areas described in the book, e.g. Yellowstone Park.
- Provide pencils and paper and ask children to draw a picture of a cone volcano, or provide modelling materials and ask children to make a model cone volcano.

## Questions

- What is magma? (*use the picture glossary*)
- How was Iceland made?
- What is a tsunami?
- What different types of volcano are there?
- Which is the largest active volcano in the Europe?