

This ten-lesson scheme of work provide a framework to teach a unit of KS2 geography. See the notes in red under each heading below for further details on how this scheme is structured. To give you flexibility with your lessons, additional resources are listed under: Reading Resources, Enquiry Activities, Vocabulary Game, Assessment/End of Topic Review and Making Connections Across Subjects. These can be used in addition to the Lesson Resources if you have more time or more than ten lessons in your unit.

## Enquiry Theme:

An overarching enquiry question to form the basis of your lesson.

## Learning Objective:

The lesson's objective.

## Success Criteria:

What the children should achieve by the end of the lesson.

## Reading Resources

Any guided reading texts, fact files or word mats related to the lesson will be referenced here. They can be used in addition to the lesson resources or as support during the lesson.

## Key Words

A group of suggested words that can be displayed during the lesson to support learning.

## Lesson Resources

Here you will find a list of all of the resources you need for each lesson. Before the lesson begins, you will need to open the relevant PowerPoint presentation (oddizzi.com - teachers - topic planning). Paper-based resources will need to be printed for pupils to use. Physical resources will also be listed here, such as atlases and apparatus. All topics begin with a Knowledge Organiser which can be found in the resource pack.

## Main Teaching Points

An overview of the lesson is highlighted.

PowerPoint slide numbers for each lesson are clearly identified.

Online pages/films to support the PowerPoint are referenced.

## Pupil Activities

### Whole class activity

This provides a chronological commentary for the activities the children will carry out during the lesson using the lesson resources.

### Atlas activity

An activity that involves the use of an atlas to explore the lesson objective.

### Practical activity

This provides the option of an activity that is more hands on.

### Enquiry activities

Open and closed enquiry questions can be used as a dialogue throughout the lesson, as a focus point to drive learning forward or as a plenary.

The What If questions can also be used verbally, as a whole class activity or as an individual written extension activity during a lesson.

### Vocabulary game

There are two vocabulary games in each unit, in lessons three and six. They are to be played as a whole class, in teams of two.

### Assessment/End of topic review

An assessment paper that can be used to individually track learning or as a whole-class end-of-topic review.

### Making connections across subjects

Suggested additional activities for the lesson that link to other subjects such as English or Maths.

## National curriculum links

- National Curriculum statements that relate to the lesson will be displayed here.

All resources can be found at: [oddizzi.com](http://oddizzi.com) - teachers - topic planning - volcanoes - earthquakes

## Enquiry Theme:

What lies beneath the surface of the Earth?

## Learning Objective:

Find out about the structure of the Earth and label a diagram

## Success Criteria:

I can label the structure of the Earth

## Reading Resources

To use in English lessons, guided reading sessions, small group work, or as homework tasks.

**Guided Reading:** Volcanoes

**Word Mat:** Volcanoes

## Key Words

volcano	core
plates	mantle
tectonic	crust

## Lesson Resources

**PowerPoint:** Volcanoes and Earthquakes

**Knowledge Organiser:** Volcanoes and Earthquakes

**Online Page:** See Main Teaching Points

**KS2 Activity:** The Structure of the Earth

## Main Teaching Points

This lesson looks at the structure of the Earth and asks children to label it.

*Online Pages: Explore the world - physical features - volcanoes - Structure of the Earth*

*Volcanoes and Earthquakes PowerPoint - Slides 2 to 6*

## Pupil Activities

### Whole class activity

Read through the **Knowledge Organiser** for this topic as a class. Pupils label the structure of the Earth using correct vocabulary and demonstrate their understanding by explaining the structure.

### Enquiry activities

- If I could cut a slice through the whole Earth, what would it look like?
- What is it like at the centre of the Earth?
- How solid is the Earth?
- How is the Earth beneath the ocean floor different from beneath the land?

What if...the Earth's core was as cool as the surface?

### Quiz

*Play individually, as a class or at home.*  
Volcanoes and Earthquakes

## National curriculum links

- Describe and understand key aspects of physical geography, including: volcanoes and earthquakes.
- Use maps, atlases, globes and digital/computer mapping to locate countries and describe features studied.

All resources can be found at: [oddizzi.com](https://www.oddizzi.com) - teachers - topic planning - volcanoes - earthquakes

## Enquiry Theme:

What happens when the Earth's plates meet?

## Learning Objective:

Describe what happens at the boundaries between the Earth's plates

## Success Criteria:

I can describe what happens at the boundaries between the Earth's plates and label a map of the plates

## Reading Resources

To use in English lessons, guided reading sessions, small group work, or as homework tasks.

**Guided Reading:** Volcanoes

**Guided Reading:** Earthquakes

**Word Mat:** Volcanoes

**Word Mat:** Earthquakes

## Key Words

volcano

boundaries

plates

## Lesson Resources

**PowerPoint:** Volcanoes and Earthquakes

**Online Pages:** See Main Teaching Points

**KS2 Activity:** The Earth's plates

**Practical Activity:** How do plates move, and what happens when they do?

**Additional Resources:** lava lamp, bowl of cold custard per group, 6 - 8 large pieces of chocolate per group.

## Main Teaching Points

This lesson explores the Earth's plates using maps and boundary lines.

*Online Pages: Explore the world - physical features - volcanoes - The Earth's plates*

*Online Pages: Explore the world - physical features - volcanoes - Why do plates move?*

*Online Pages: Explore the world - physical features - earthquakes - What is an earthquake?*

*Online Pages: Explore the world - physical features - earthquakes - Why and where?*

*Online Pages: Explore the world - physical features - earthquakes - The earth's plates*

*Volcanoes and Earthquakes PowerPoint - Slides 7 to 18*

## Pupil Activities

### Whole class activity

Pupils use the Earth's plates instruction sheet to complete the map containing tectonic plate boundaries.

### Practical activity

Exploring how plates move using a lava lamp, custard and chocolate!

### Enquiry activities

- Where in the world do the plates meet?
- What makes the Earth's plates move?
- What happens when two plates push together?
- What happens when two plates pull apart?

What if...two plates pulled far apart from each other and stayed apart?

### Quiz

*Play individually, as a class or at home.*

Volcanoes and Earthquakes

## National curriculum links

- Describe and understand key aspects of physical geography, including: volcanoes and earthquakes.

All resources can be found at: [oddizzi.com](http://oddizzi.com) - teachers - topic planning - volcanoes - earthquakes

## Enquiry Theme:

What goes on inside a volcano?

## Learning Objective:

Describe and explain the key features of a volcano

## Success Criteria:

I can identify the key features of a volcano

## Reading Resources

To use in English lessons, guided reading sessions, small group work, or as homework tasks.

**Guided Reading:** Volcanoes

**Word Mat:** Volcanoes

## Key Words

magma	central vent
ash cloud	eruption
lava	

## Lesson Resources

**PowerPoint:** Volcanoes and Earthquakes

**Online Page:** See Main Teaching Points

**KS2 Activity:** Volcano Features

**Practical Activity:** Making a chatterbox volcano

## Main Teaching Points

This lesson explores the key features of a volcano.

*Online Pages: Explore the world - physical features - volcanoes - What is a volcano?*

*Volcanoes and Earthquakes PowerPoint - Slides 19 to 26*

## Pupil Activities

### Whole class activity

Pupils label the volcano diagram and answer the questions on the sheet.

### Practical activity

Pupils learn about the inner workings of a volcano by making their own chatterbox volcano, following the instruction sheet.

### Enquiry activities

- What does a volcano look like?
- How can I show what happens inside a volcano?
- Do all volcanoes erupt?
- What happens during a volcanic eruption?

What if... ash from a volcano turned day into night?

### Vocabulary game

Volcanoes 1 Follow Me Cards and Teacher Notes

### Quiz

*Play individually, as a class or at home.*

Volcanoes and Earthquakes

## National curriculum links

- Describe and understand key aspects of physical geography, including: volcanoes and earthquakes.
- Use maps, atlases, globes and digital/computer mapping to locate countries and describe features studied.

All resources can be found at: [oddizzi.com](https://www.oddizzi.com) - teachers - topic planning - volcanoes - earthquakes

## Enquiry Theme:

What can we learn from some famous earthquakes?

## Learning Objective:

Locate where famous earthquakes have occurred and write a report

## Success Criteria:

I can locate where famous earthquakes have occurred

I can identify key facts about famous earthquakes

## Reading Resources

To use in English lessons, guided reading sessions, small group work, or as homework tasks.

**Guided Reading:** Earthquakes

**Word Mat:** Earthquakes

## Key Words

continent

tectonic plates

boundaries

## Lesson Resources

**PowerPoint:** Volcanoes and Earthquakes

**Online Pages:** See Main Teaching Points

**Map Resource:** Blank world map

**KS2 Activity:** 1. Earthquakes – Big ideas 2. Written Report: A massive quake

## Main Teaching Points

This lesson looks at famous earthquakes around the world and includes key facts about each, using pages at [Oddizzi.com](https://www.oddizzi.com).

*Online Pages: Explore the world - physical features - earthquakes - Why and where?*

*Online Pages: Explore the world - physical features - earthquakes - When do they occur?*

*Online Pages: Explore the world - physical features - earthquakes - Massive quakes*

*Volcanoes and Earthquakes PowerPoint - Slides 27 to 36*

## Pupil Activities

### Whole class activity

Pupils locate famous earthquakes around the world on the continent map.

Using online pages at [Oddizzi.com](https://www.oddizzi.com), pupils fill in their Big Ideas sheet.

Pupils use the written framework to write a report on a famous earthquake.

### Enquiry activities

- Where did these earthquakes happen?
- What plates are these places on?
- What happens during an earthquake?
- How would I explain earthquakes to someone who had never heard of them?

What if...people always knew when an earthquake was going to happen?

### Quiz

*Play individually, as a class or at home.*

Volcanoes and Earthquakes

## National curriculum links

- Describe and understand key aspects of physical geography, including: volcanoes and earthquakes.
- Use maps, atlases, globes and digital/computer mapping to locate countries and describe features studied.



All resources can be found at: [oddizzi.com](http://oddizzi.com) - teachers - topic planning - volcanoes - earthquakes

## Enquiry Theme:

What can I find out about real volcanoes?

## Learning Objective:

Locate a range of famous volcanoes and find out some key facts, including when the volcanoes last erupted.

## Success Criteria:

I can locate a range of famous volcanoes

I can use online resources (including maps) to find out key facts about a volcano, including when it last erupted

## Reading Resources

*To use in English lessons, guided reading sessions, small group work, or as homework tasks.*

**Guided Reading:** Volcanoes

**Fact files:** Mauna Loa, Mount Etna, Mount St Helens, Mount Vesuvius and Popocatepetl.

**Word Mat:** Volcanoes

## Key Words

map                      Pacific Ring of Fire  
Europe  
North America

## Lesson Resources

**PowerPoint:** Volcanoes and Earthquakes

**Online Pages:** See Main Teaching Points

**Map Resources:** 1. The Pacific Ring of Fire 2. Locating volcanoes in Europe and North America

**Fact Files:** Volcano fact files and scavenger hunt

## Main Teaching Points

This lesson investigates famous volcanic eruptions around the world and locates them on a map.

*Online Pages: Explore the world - physical features - volcanoes - famous volcanoes*

*Volcanoes and Earthquakes PowerPoint - Slides 37 to 41*

## Pupil Activities

### Whole class activity

Using the Pacific Ring of Fire map, pupils answer the questions and label the map.

Place the fact-files on each volcano around the classroom. Pupils use the scavenger hunt sheet to match up each fact with a famous volcano. *Suggestion: To avoid all of the pupils gathering round the same sheet at once, split the class into three groups and ask one group to start from fact one, one group to start from fifteen and the other to start from eight.*

Pupils locate volcanoes in Europe and North America using information found on [oddizzi.com](http://oddizzi.com) (see Main Teaching Points for link).

### Enquiry activities

- How did 'The Pacific Ring of Fire' get its name?
- What can I find out about one famous volcano?
- Where is this volcano?
- How is it similar to, or different from, other famous volcanoes?

What if...all the volcanoes we have looked at erupted at the same time?

### Quiz

*Play individually, as a class or at home.*  
Volcanoes and Earthquakes

## National curriculum links

- Describe and understand key aspects of physical geography, including: volcanoes and earthquakes.

All resources can be found at: [oddizzi.com](https://www.oddizzi.com) - teachers - topic planning - volcanoes - earthquakes

## Enquiry Theme:

How do earthquakes affect people and places?

## Learning Objective:

Identify the effects of earthquakes on land and people

## Success Criteria:

I can identify the effects of earthquakes on land  
I can identify the effects of earthquakes on people

## Reading Resources

To use in English lessons, guided reading sessions, small group work, or as homework tasks.

**Guided Reading:** Earthquakes

**Word Mat:** Earthquakes

## Key Words

effect                      rubble  
short-term  
long-term

## Lesson Resources

**PowerPoint:** Volcanoes and Earthquakes

**Online Pages:** See Main Teaching Points

**KS2 Activities:** 1. How do earthquakes affect people and land?

## Main Teaching Points

This lesson explores the effects of earthquakes on land and people.

*Online Pages: Explore the world - physical features - earthquakes - The effects of quakes*

*Volcanoes and Earthquakes PowerPoint - Slides 42 to 48*

## Pupil Activities

### Whole class activity

Brainstorm the effects on people and land. Sort them into short-term and long-term effects, using the sheet provided.

### Enquiry activities

- What effects can earthquakes have on the land, roads and buildings?
- What immediate effects can earthquakes have on people and communities?
- What longer-term impacts can earthquakes have on people and communities?
- What might a timeline for a massive earthquake look like: first hour, first day, first week, first month, first year?

What if... there was an earthquake every Thursday?

### Quiz

*Play individually, as a class or at home.*

Volcanoes and Earthquakes

## National curriculum links

- Describe and understand key aspects of physical geography, including: volcanoes and earthquakes.

All resources can be found at: [oddizzi.com](http://oddizzi.com) - teachers - topic planning - volcanoes - earthquakes

## Enquiry Theme:

What help do people need before and after an earthquake?

## Learning Objective:

Identify the help people need after an earthquake

## Success Criteria:

I can describe and explain what kind of help people need after an earthquake

## Reading Resources

To use in English lessons, guided reading sessions, small group work, or as homework tasks.

**Guided Reading:** Earthquakes

**Word Mat:** Earthquakes

## Key Words

human	
aid	features
survival kit	map

## Lesson Resources

**PowerPoint:** Volcanoes and Earthquakes

**Online Page:** See Main Teaching Points

**Films:** See Main Teaching Points

**KS2 Activities:** 1. Earthquake survival kit 2. Aid for survivors of an earthquake

## Main Teaching Points

This lesson explores the items people would need to prepare when living in an earthquake-prone area, as well as the aid an area would receive once hit.

*Online Pages:* Explore the world - physical features - earthquakes - Help for quake victims

*Films:* Explore the world - physical features - earthquakes (film clips about ShelterBox on the right-hand side)

*Volcanoes and Earthquakes PowerPoint - Slides 49 to 54*

## Pupil Activities

### Whole class activity

Pupils read through the list of the potential objects they could include in an emergency earthquake kit. They choose six items they feel are the most important and verbalise or write down their choices with justification.

Using the aid for survivors sheet, pupils think about what should be included in an aid kit for earthquake survivors.

### Enquiry activities

- What would you include in an emergency earthquake kit?
- What objects would be most useful to you after an earthquake?
- What other help might be useful after an earthquake?
- Why might different places sometimes need different things?

What if...emergency kits were already in the countries most at risk from quakes?

### Making connections across subjects

**English:** Role-play as ShelterBox and debate what you would include in your box.

### Quiz

Play individually, as a class or at home.  
Volcanoes and Earthquakes

## National curriculum links

- Describe and understand key aspects of physical geography, including: volcanoes and earthquakes.



All resources can be found at: [oddizzi.com](https://www.oddizzi.com) - teachers - topic planning - volcanoes - earthquakes

## Enquiry Theme:

What could you do if an earthquake happened?

## Learning Objective:

Identify how to prepare for an earthquake

## Success Criteria:

I know what to do in the event of an earthquake  
I can reflect on how volcanoes and earthquakes are linked

## Reading Resources

*To use in English lessons, guided reading sessions, small group work, or as homework tasks.*

**Guided Reading:** Earthquakes

**Word Mats:** Earthquakes

## Key Words

drill	volcano
aid	Venn diagram
survival kit	
preparation	

## Lesson Resources

**PowerPoint:** Volcanoes and Earthquakes

**Online Page:** See Main Teaching Points

**KS2 Activities:** 1. Instructions writing frame 2. How are volcanoes and earthquakes linked? Venn diagram 3. Word Ban - Earthquakes

## Main Teaching Points

This lesson looks at the importance of preparing for an earthquake and what you should and shouldn't do in the event of one.

*Online Pages: Explore the world - physical features - earthquakes - Protect yourself*

*Volcanoes and Earthquakes PowerPoint - Slides 55 to 61*

## Pupil Activities

### Whole class activity

Pupils write a set of instructions for what to do in the event of an earthquake.

### Extension activity

Children use the **Word Ban** sheet to describe vocabulary they have acquired throughout the unit to their peers.

### Enquiry activities

- What can you do to prepare yourself for an earthquake?
- What can you do to keep yourself safe during an earthquake or tsunami?
- What should you avoid doing if an earthquake happens?
- How are earthquakes and volcanoes related to each other?

What if... all buildings were earthquake-proof?

### Vocabulary game

Earthquakes 2 Follow Me Cards and Teacher Notes

### Assessment/End of topic review

Earthquakes assessment paper LKS2 and UKS2

### Making connections across subjects

**Drama:** Design and carry out an earthquake drill.

**Maths:** How are volcanoes and earthquakes linked? Venn diagram.

### Quiz

*Play individually, as a class or at home.*

Volcanoes and Earthquakes

## National curriculum links

- Describe and understand key aspects of physical geography, including: volcanoes and earthquakes.

All resources can be found at: [oddizzi.com](http://oddizzi.com) - teachers - topic planning - volcanoes - earthquakes

## Enquiry Theme:

What happens when a volcano erupts?

## Learning Objective:

Report on the effects of a volcanic eruption

## Success Criteria:

I can report on the effects of a specific volcanic eruption

## Reading Resources

To use in English lessons, guided reading sessions, small group work, or as homework tasks.

**Guided Reading:** Volcanoes

**Fact files:** Mauna Loa, Mount Etna, Mount St Helens, Mount Vesuvius and Popocatepetl.

**Word Mat:** Volcanoes

## Key Words

eye-witness	eruption
effects	impact

## Lesson Resources

**PowerPoint:** Volcanoes and Earthquakes

**Films:** See Main Teaching Points

**KS2 Activity:** 1. Written report: Witnessing a volcanic eruption 2. Word Ban - Volcanoes

## Main Teaching Points

This lesson explores the effects of a volcanic eruption and provides pupils with the opportunity to imagine being involved in one.

*Films:* Explore the world - physical features - volcanoes - Famous volcanoes - Mount St Helens  
Volcanoes and Earthquakes PowerPoint - Slides 62 to 66

## Pupil Activities

### Whole class activity

Pupils use their knowledge of volcanic eruptions to write a witness report about either a famous or made-up eruption.

Use online information to support ([oddizzi.com](http://oddizzi.com) - explore the world - physical features - volcanoes - famous volcanoes).

### Extension activity

Children use the **Word Ban** sheet to describe vocabulary they have acquired throughout the unit to their peers.

### Enquiry activities

- What are the signs that an eruption could happen?
- What would it be like to watch a volcanic eruption?
- What damage can a volcanic eruption do?
- What happens to a volcano after an eruption?

What if...you were told to evacuate your home before an eruption?

### Quiz

Play individually, as a class or at home.  
Volcanoes and Earthquakes

## National curriculum links

- Describe and understand key aspects of physical geography, including: volcanoes and earthquakes.

All resources can be found at: [oddizzi.com](https://www.oddizzi.com) - teachers - topic planning - volcanoes - earthquakes

## Enquiry Theme:

What would it be like to live near a volcano?

## Learning Objective:

Evaluate the advantages and disadvantages of living near a volcano

## Success Criteria:

I can evaluate the advantages and disadvantages of living near a volcano

## Reading Resources

To use in English lessons, guided reading sessions, small group work, or as homework tasks.

**Guided Reading:** Volcanoes

**Word Mat:** Volcanoes

## Key Words

advantage	eruption
disadvantage	effects

## Lesson Resources

**PowerPoint:** Volcanoes and Earthquakes

**Online Pages:** See Main Teaching Points

**KS2 Activities:** 1. Living near volcanoes 2. Dangerous effects of a volcanic eruption 3. Lesson Plan (End Point Assessment Activity)

## Main Teaching Points

This lesson explores the advantages and disadvantages of living near a volcano. It also looks at the dangerous effects of volcanoes.

*Online Pages: Explore the world - physical features - volcanoes - Will it erupt?*

*Online Pages: Explore the world - physical features - volcanoes - Dangerous effects*

*Online Pages: Explore the world - physical features - volcanoes - Why live there?*

*Volcanoes and Earthquakes PowerPoint - Slides 67 to 73*

## Pupil Activities

### Whole class activity

Use pages within Oddizzi.com (explore the world - physical features - volcanoes) to brainstorm the advantages and disadvantages of living near a volcano.

### Enquiry activities

- What are the risks of living near a volcano?
- What are the advantages of getting energy from a volcano?
- Why might people go on holiday near some famous volcanoes?
- Why might people choose to live near a volcano?

What if... you could heat your home using a volcano?

### Vocabulary game

Volcanoes 2 Follow Me Cards and Teacher Notes

### Assessment/End of topic review

Volcanoes assessment paper LKS2 and UKS2

Volcanoes or Earthquakes lesson plan (End Point Assessment Activity)

### Quiz

*Play individually, as a class or at home.*

Volcanoes and Earthquakes

## National curriculum links

- Describe and understand key aspects of physical geography, including: volcanoes and earthquakes.