KS2 Scheme of Work – Teacher Notes

These six-lesson schemes 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 these schemes are 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 six 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.

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.

Volcanoes

All resources can be found at: oddizzi.com - teachers - topic planning - volcanoes

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
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 PowerPoint -Slides 2 to 6

Pupil Activities
Whole class activity
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.

Volcanoes

All resources can be found at: oddizzi.com - teachers - topic planning - volcanoes

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

Word Mat: Volcanoes

Key Words
volcano
boundaries
plates

Lesson Resources
PowerPoint: Volcanoes
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?

Volcanoes PowerPoint -Slides 7 to 13

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.

Volcanoes

All resources can be found at: oddizzi.com - teachers - topic planning - volcanoes

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
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 PowerPoint -Slides 14 to 21

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.

Volcanoes

All resources can be found at: oddizzi.com - teachers - topic planning - volcanoes

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
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 PowerPoint -Slides 22 to 26

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 (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.

KS2
Lesson 5 of 6

Volcanoes

All resources can be found at: oddizzi.com - teachers - topic planning - volcanoes

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
Films: See Main Teaching Points
KS2 Activity: Written report: Witnessing a volcanic eruption

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 PowerPoint -Slides 27 to 31

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 - explore the world - physical features - volcanoes - famous volcanoes).

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.

Volcanoes

All resources can be found at: oddizzi.com - teachers - topic planning - volcanoes

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
Online Pages: See Main Teaching Points
KS2 Activities: 1. Living near volcanoes 2. Dangerous effects of a volcanic eruption

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 PowerPoint -Slides 32 to 38

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

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.