

Year 4

GEOGRAPHY - Geography Detective

Read OS maps, digital images and complete fieldwork to build a picture of a place.

Lesson 1 - READING OS MAPS

WALT: Read ordnance survey (OS) maps.

EXPLAIN VOCABULARY

Ensure children understand:

- Ordnance Survey - is the name of the company that produces the maps, which originally had a military purpose (hence ordnance) mapping Scotland for the Jacobite War in 1745.

INTRODUCTION

Explain that for this unit we will be Geography detectives - looking for clues to find out all about what a place is like.

What sort of clues can we use?

Discuss. Children might think of maps, visits, looking at pictures, reading.

INTRODUCING OS MAPS

Revise what children can remember about maps: what they show, how they are drawn, scale, keys. Show OS maps and ask children to discuss what they can see on the maps. Can they work out what the place might be like? What is the countryside like?

Lesson 2 - GATHERING INFORMATION FROM DIGITAL IMAGES

WALT: Gain information from digital images.

EXPLAIN VOCABULARY

Ensure children understand:

- Digital
- Digital mapping - *Digital mapping (also called digital cartography) is the process by which a collection of data is compiled and formatted into a virtual image. The primary function of this technology is to produce maps that give accurate representations of a particular area, detailing major road arteries and other points of interest.*
- Satellite image

LOOKING AT DIGITAL AND SATELLITE IMAGES/MAPS

Look at range of digital maps and satellite images and discuss. How are they different from OS maps? What different sort of information can you see? What is better? What is worse?

Lesson 3 - ANALYSING MAPS TO BUILD A PICTURE

WALT: Build a picture of a place from a range of maps.

EXPLAIN VOCABULARY

Ensure children understand:

- Picture (in geographical terms)

INTRODUCTION

Explain that now we know how to gather information from a range of maps, we are now going to look at a specific place which we will be visiting. Before we visit we will find out as much as we can from maps and choose an area to focus on. We will all be studying *the types of houses* and choosing another area for our own study for the application. (*Unless you are going on two fieldwork trips.*)

ANALYSING MAPS

Model how to analyse information from a range of maps of the place we are going to visit. Note what we can see. What would expect to see when we are there? How has the land been used? Do you expect the place to be

<p>Where do people live? What features are there?</p> <p>Record what we can see.</p> <p>Is there anything about the map that we do not understand? Discuss the symbols and colours on the maps and spend time looking carefully at the map finding the different features.</p> <p>RECORDING Model how to record some of the features on the map, explaining how the map shows you this. <i>I can see that there is a school in the centre of the village because I can see the symbol Sch.</i> Children record their observations.</p>	<p>Record what we can see.</p> <p>STREET VIEW Using Google maps, show how to use street view. Explore. Discuss how useful this is to gain an idea of what a place is like. What are the benefits? What are the drawbacks?</p> <p>RECORDING Model how to record some of the features seen on digital/satellite imagery. <i>I can see the amount of green space in the village is very small from the satellite image.</i> Children record their observations.</p>	<p>busy/quiet? What would you expect the weather to be like, based on the natural landscape? What questions will you be answering during the fieldwork? What information will you be collecting? Is there anything about the location that puzzles you? (<i>Why are there so many empty shops?</i>) Is there anything about the location that alarms you? (<i>Why is there no playing space for children?</i>)</p> <p>RECORDING Children record their observations and analysis and note the questions they would like to answer during the visit and how they intend to do this.</p> <p>MAPPING Explain that when we are carrying out our fieldwork we will also be creating our own maps that will be relevant to our study. This will involve measuring and using a compass.</p>
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Lesson 4 - FIELDWORK
WALT: Use fieldwork to build our own impression of a place.

MEASURING AND USING A COMPASS

Model how to find directions when using a compass. Show how to record the direction in which you are walking and how to measure the distance. This could be simply steps or in metres. During the fieldwork, children will be recording their route and the things they see that answer their questions.

Fieldwork is completed.

ENSURE THAT THE VISIT HAS BEEN PLANNED IN ADVANCE AND A RISK ASSESSMENT HAS BEEN COMPLETED. INFORM PARENTS/CARERS ABOUT YOUR VISIT.

Lesson 5 - ANALYSING INFORMATION FROM FIELDWORK

WALT: Use our research to build a picture of a place.

COLLATING OUR RESEARCH

Ask children to collect all the research/information/fieldwork they have about the place.

Select all the information that is related to *housing* in the area.

Look at the various types of information:

- Maps
- Numerical data
- Drawn maps
- Notes
- Drawings
- Photos
- Observations
- Thoughts

Discuss how all of these help us to build a picture of the place.

Ask children to collate their information into helpful groups.

ANALYSING INFORMATION

Now look more carefully at the information. What further questions do we want to ask about the place? What does it tell us about what it might be like to live there? Can you see any problems that might happen in the future? Can you think of any improvements that could be made? Why do you think this?

Lesson 6 - CREATING A REPORT ABOUT A PLACE

WALT: Create a geography report

PUTTING THE REPORT TOGETHER

Model how to use the information to create a report about the place.

Organise the report:

- Where the place is
- The geographical features
- The focus of the report
- What was discovered - analysis of information
- Conclusions and thoughts, justified by evidence.

Include maps, numerical data, drawings, photos as well as extended writing in the report.

CREATING THE REPORT

Children put their report together.

Application of Skill

Task Sheet

Read OS maps, digital images and complete fieldwork to build a picture of a place.

1. Choose a focus for the report.
2. Look at a range of maps and resources to build a picture of the place.
3. Choose a focus area.
4. Plan fieldwork (if going out again)
5. Complete fieldwork (if going out again)
6. Select relevant information for the report
7. Analyse information
8. Create report

Resources: OS maps, digital maps, satellite images, compasses.