

Digimap for Schools

Picture Detectives

Matching images and clues to map references

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Geography teaching resource

Primary



This is one of a series of teaching resources for use with Digimap for Schools. For more details about this service, visit <http://digimapforschools.edina.ac.uk>

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Digimap for Schools Geography Resources

These resources are a guide for teachers to demonstrate to the whole class or direct individual students as appropriate. Each activity has several ideas within it that you can tailor to suit your class and pupils. Some resources contain worksheets for direct distribution to pupils.

Title: Picture Detectives

Level	Context	Location
Primary	Matching images and clues to map references	Various locations and can be adapted for use anywhere

Knowledge/Skills	Using four and six figure grid references to find places, reading and interpreting maps, using a map key, placing labels and annotating maps
Curriculum links (England)	Use the eight points of a compass, four-figure grid references, symbols and key (including the use of Ordnance Survey maps) to build their knowledge of the United Kingdom; use maps and digital mapping to locate and describe features
Curriculum links (Wales)	Identify and locate places and environments using maps; use maps, imagery and ICT to find and present locational information
Scottish Curriculum for Excellence	Social Studies Outcomes: People, Place and Environment: 2-13a, 2-14a

Activity

Matching descriptions, of what people are most likely to do in a place, with muddled grid references; finding out the location of photographs taken around Great Britain.

Introduction

Maps, images and descriptive writing all offer us clues about places: where they are, what they are like and what you can do there. Digimap for Schools uses symbols and labels at various scales and these provide very detailed information about places and landscapes shown on the map. This activity is designed to help pupils read and interpret that information.

Main activity

Before you begin you may wish to discuss some familiar places with the class and where they might be most likely to for example, go shopping, go for a walk, ride a bike, and so on. Discuss how maps can help you identify what you can do in a place.

The activity provides a set of 20 photographs organised on four sheets, showing various locations around Great Britain. There are six worksheets to choose from offering three different levels of challenge. The first two use all the photographs and the last four each use just one photograph sheet.

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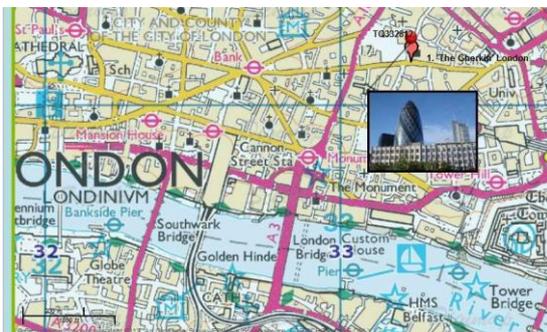
<http://digimapforschools.edina.ac.uk>

Each worksheet has a description of what you might do in that place and a grid reference. These have all been muddled up. Pupils will act as detectives to find out where these places are.

The following instructions are suitable for all worksheets.

Tasks

- Open Digimap for Schools and turn on the grid.  Type one of the grid references into the search box.
- When the map opens pupils look at the clues on the map to find out what this place is like and to match each of the grid references with a picture and a 'most likely to' description. They may find the following helpful:
 - a. Using the map keys to help identify features, symbols and letters.
 - b. Zooming in and out of the map view to look at different scales.
 - c. Moving the map a little to explore the features shown.
- d. TIP: If they lose the place they are exploring while moving the map, hit 'search' again to re-centre the map on the grid reference.
- In addition to completing the worksheet you may also ask pupils to use the Annotation tools to label all of the places with the photo number and a title for example, *1. Derby Station*. To do this:
 - e. First choose the text colour, font and type size.
 - f. Select  then click on a location where the photo was taken. Write the name of the place with the number of the photograph.
 - g. When all of the photographs are found pupils can give the map a title, save and print as required.



Taking it further

- Ask pupils to research some more photographs of places around Great Britain using Geograph and make up 'Most likely to' questions for them.

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- Ask pupils to make a collection of local photographs and identify them on a local map using six figure grid references.
- Ask pupils to investigate some of the photographs provided and do some further research about the place or building shown. Illustrate with some maps of your choosing.

Resources

- A. Answers sheet for teachers with image numbers, grid references and descriptions.
- B. Worksheet – 20 descriptions and grid references. Photograph numbers are already given for each description.
- C. Worksheet – as above, but picture numbers not given (slightly harder for higher ability pupils).
- D. Worksheet – descriptions and grid references just for images 1–5 (Sheet H).
- E. Worksheet – descriptions and grid references just for images 6–10 (Sheet I).
- F. Worksheet – descriptions and grid references for images 11–15 (Sheet J).
- G. Worksheet – descriptions and grid references for images 16–20 (Sheet K).

(Sheets D, E, F, G are easier sheets for pupils requiring a little more support).

- H. Photograph sheet to match D
- I. Photograph sheet to match E
- J. Photograph sheet to match F
- K. Photograph sheet to match G

Links

Geograph images, over 5 million moderated and geo-referenced photographs that are free to use under creative commons licensing <http://schools.geograph.org.uk/>

Using grid references, interactive guide –

<https://www.ordnancesurvey.co.uk/resources/maps-and-geographic-resources/the-national-grid.html>

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A. Answers sheet

Photo number	Where is this place?	In this place you are most likely to ...	Grid reference
1	The Swiss Re Tower or the Gherkin as it is nicknamed, City of London	See a famous city landmark	TQ332812
2	Forestry Commission Path Abergorlech	Go hiking through a forest	SN587338
3	Buckingham Palace	See where the Queen lives	TQ290796
4	Sea, North coast of Sheppey off Warden Point	Go out fishing in a boat	TR017733
5	View of viaduct over the River Wey, Guildford, Surrey	Walk beside a river and under a viaduct	SU992504
6	Hampton Court Palace	See somewhere made famous by Henry VIII	TQ157684
7	WW2 defence battery Shellness, Sheppey	Play in an old WW2 defence building	TR052676
8	Windsor Castle, Windsor	See a castle, do some shopping and take a boat trip	SU970770
9	Ferry on the Thames, Windsor	Take a boat ride on the Thames	SU968773
10	Leeds Castle, Leeds, Kent	Visit a castle in the countryside	TQ836532
11	Natural History Museum	See a whale and a dinosaur	TQ266790
12	Sheffield Railway Station	Catch a train	SK357869
13	Llanberis Station, Snowdon Mountain Railway	Go up a mountain on a train	SH582597
14	Coast at Carreg Lydan, Cardigan Island Nature Reserve	Watch seals and have a picnic	SN163512
15	Ruins of castle Newcastle Emlyn, Carmarthenshire	Visit a ruined castle	SN310407
16	Devil's Bridge, Pontarfynach	Find waterfalls	SN741772
17	Youth Hostel Borth,	Stay in a Youth Hostel	SN608907
18	Rye Harbour, Sussex	Watch boats in a harbour	TQ942190
19	Edinburgh Castle http://www.geograph.org.uk/photo/28 - Image Copyright Andy Stephenson	Visit a castle built on a volcanic rock	NT251735
20	Tobermory Parish Church, Tobermory, Isle of Mull http://www.geograph.org.uk/photo/15133 -Image Copyright J M Briscoe.	Go to church on an island	NM503553

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B. Picture Detectives: Solve the mystery of where these pictures were taken!

Photo number	Where are you most likely to ...	Write the grid reference here
1	See a famous city landmark?	
2	Go hiking through a forest?	
3	See where the Queen lives?	
4	Go out fishing in a boat?	
5	Walk beside a river and under a viaduct?	
6	See somewhere made famous by Henry VIII?	
7	Play in an old WW2 defence building?	
8	See a castle, do some shopping and take a boat trip?	
9	Take a boat ride on the Thames?	
10	Visit a castle in the countryside?	
11	See a whale and a dinosaur?	
12	Catch a train?	
13	Go up a mountain on a train?	
14	Watch seals and have a picnic?	
15	Visit a ruined castle?	
16	Find waterfalls?	
17	Stay in a Youth Hostel?	
18	Watch boats in a harbour?	
19	Visit a castle built on a volcanic rock?	
20	Go to church on an island?	

Grid references				
TR017733	SN163512	SN310407	TQ836532	SU970770
SU968773	TR052676	SU992504	TQ266790	TQ332812
SH582597	SN741772	TQ942190	NT251735	SN587338
SK357869	SN608907	TQ157684	NM503553	TQ290796

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C. Picture Detectives: match the photo and find the places!

Photo number	Where could you go to ...	Write the grid reference here
	See a famous city landmark?	
	Go hiking through a forest?	
	See where the Queen lives?	
	Go out fishing in a boat?	
	Walk beside a river and under a viaduct?	
	See somewhere made famous by Henry VIII?	
	Play in an old WW2 defence building?	
	See a castle, do some shopping and take a boat trip?	
	Take a boat ride on the Thames?	
	Visit a castle in the countryside?	
	See a whale and a dinosaur?	
	Catch a train?	
	Go up a mountain on a train?	
	Watch seals and have a picnic?	
	Visit a ruined castle?	
	Find waterfalls?	
	Stay in a Youth Hostel?	
	Watch boats in a harbour?	
	Visit a castle built on a volcanic rock?	
	Go to church on an island?	

Grid References				
TR017733	SN163512	SN310407	TQ836532	SU970770
SU968773	TR052676	SU992504	TQ266790	TQ332812
SH582597	SN741772	TQ942190	NT251735	SN587338
SK357869	SN608907	TQ157684	NM503553	TQ290796

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D. Picture Detectives: most likely to...?

These pictures, descriptions and grid references show locations for planned days out but they've all become muddled up! Can you use your geographical detective skills to sort them out?

Match the pictures first to the activity. Then, investigate the mixed up grid references to try and find out where each place is.

In which place are you most likely to ...	Which picture? (1–5)	Where is this place? Give the name of the location or place shown on the map
See a famous city landmark?		
Go hiking through a forest?		
See where the Queen lives?		
Go out fishing in a boat?		
Walk beside a river and under a viaduct?		

Grid reference	<i>NOTES: locate these grid references using the search tool on Digimap for Schools. Note any information such as place names or features that will help you match to images and activities.</i>
SN587338	
TR017733	
TQ290796	
TQ332812	
SU992504	

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E

Picture Detectives: most likely to ...?

These pictures, descriptions and grid references show locations for planned days out but they've all become muddled up!

Can you use your geographical detective skills to sort them out?

Match the pictures first to the activity. Then, investigate the mixed up grid references to try and find out where each place is.

In which place are you most likely to ...	Which picture? (6–10)	Where is this place? Give the name of the location or place shown on the map
See somewhere made famous by Henry VIII?		
Play in an old WW2 defence building?		
See a castle, do some shopping and take a boat trip?		
Take a boat ride on the Thames?		
Visit a castle in the countryside?		

Grid reference	What can you find there? <i>Make notes if it helps you</i>
TQ836532	
TR052676	
SU968773	
TQ157684	
SU970770	

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F

Picture Detectives: most likely to ...?

These pictures, descriptions and grid references show locations for planned days out but they've all become muddled up!

Can you use your geographical detective skills to sort them out?

Match the pictures first to the activity. Then, investigate the mixed up grid references to try and find out where each place is.

In which place are you most likely to ...	Which picture? (11–15)	Where is this place? Give the name of the location or place shown on the map,
See a whale and a dinosaur?		
Catch a train?		
Go up a mountain on a train?		
Watch seals and have a picnic?		
Visit a ruined castle?		

Grid reference	What can you find there? <i>Make notes if it helps you</i>
SK357869	
SN163512	
TQ266790	
SH582597	
SN310407	

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<http://digimapforschools.edina.ac.uk>

G

Picture Detectives: most likely to ...?

These pictures, descriptions and grid references show locations for planned days out but they've all become muddled up!

Can you use your geographical detective skills to sort them out?

Match the pictures first to the activity. Then, investigate the mixed up grid references to try and find out where each place is.

In which place are you most likely to ...	Which picture? (16–20)	Where is this place? Give the name of the location or place shown on the map,
Find waterfalls?		
Stay in a Youth Hostel?		
Watch boats in a harbour?		
Visit a castle built on a volcanic rock?		
Go to church on an island?		

Grid reference	What can you find there? <i>Make notes if it helps you</i>
SN608907	
NT251735	
NM503553	
TQ942190	
SN741772	