

Lesson 1

Introduction to digital maps on **Know Your Place**



Lesson 1

Introduction to digital maps

▶ **LEARNING OBJECTIVES**

To develop pre-existing map skills and become familiar with digital maps and the idea of layering maps.

⚙️ **ACTIVITIES**

- ▶ Reading a map
- ▶ Layers of place
- ▶ Map Bingo
- ▶ Delivering directions
- ▶ Class map
- ▶ What have I learnt?

📎 **RESOURCES**

▶ **RESOURCES PROVIDED**

- ▶ Reading a map worksheet
- ▶ Layers of place PowerPoint
- ▶ Map bingo sheets x 3
- ▶ Map bingo words – teacher resource
- ▶ What have I learnt worksheet

+ **RESOURCES REQUIRED**

- ▶ Online access to *Know Your Place* at www.kypwest.org.uk
- ▶ Flash Player is required for 'Class map' activity
- ▶ Ordnance Survey <https://www.ordnancesurvey.co.uk/resources/maps-and-geographic-resources/index.html>

▶ **OUTCOMES**

- ▶ Pupils will have used paper maps and *Know Your Place* to understand the concept of scale on digital maps and map layering using the different base maps.
- ▶ Pupils should be able to recognise features on a digital map at different scales.

▶ **OTHER SUBJECTS**

- ▶ Geography ▶ ICT ▶ Art

▶ **OUTPUTS**

- ▶ Completed worksheets from activities 1 and 3 which demonstrate recognition of features and symbols on a digital map (2016 modern OS map on KYP).
- ▶ A series of written instructions from each pupil, demonstrating map navigation.
- ▶ A large floor map, contributed to by everyone in the group including local sites and locations important to the pupils.
- ▶ Recorded evaluation of their learning.

Lesson 1

Introduction to digital maps

▶ Key things to consider

Q The colours, symbolism and layout of the 2016 Modern OS map change depending on the zoom and scale of the map. This is because it adjusts to scale and shows you further detail when you zoom in. Try it and see for yourself!

The base maps on *Know Your Place* before this date are the original paper maps that have been scanned, digitised and loaded onto *Know Your Place* from archives. They are as they appear and do not change colour or layout when viewed at different scales.

Q **Date range relates to when the map was surveyed and when it was published.**
For example the 1898-1939 OS 25" 3rd Edition map would have been surveyed in 1898 and published in 1939.

▶ Map availability

Q Each region has a different availability of maps and information layers, some with limited coverage. Lack of cover is indicated by blank white screen where map information is missing.

- ▶ **Modern mapping** is available in all areas
- ▶ **Ordnance Survey 25"** 1st, 2nd and 3rd edition maps are available in all areas
- ▶ **Tithe maps** (c.1840s) are available in all areas
- ▶ **National Grid maps** (post-war – 1965) are available in all areas with limited coverage
- ▶ **OS 25"** Revised maps are available in all areas with limited coverage
- ▶ **Enclosure maps** (c. 18th – 19th century) in all areas, excluding Wiltshire
- ▶ **Goad Insurance plans** (late 19th century) are available in Bath and North East Somerset, Bristol and Gloucestershire with limited coverage
- ▶ **Selection of 'other' maps** from the 18th – 19th century have limited availability
- ▶ You can find more information about the individual maps by clicking on the map title in the **base layers** menu and further information on available maps can be found here:

 www.kypwest.org.uk/about-the-project/maps/

Lesson 1

Introduction to digital maps

Maps not included

Q Where there are gaps in coverage, this can be caused by a number of different reasons, including where maps for that area in that particular map series either:

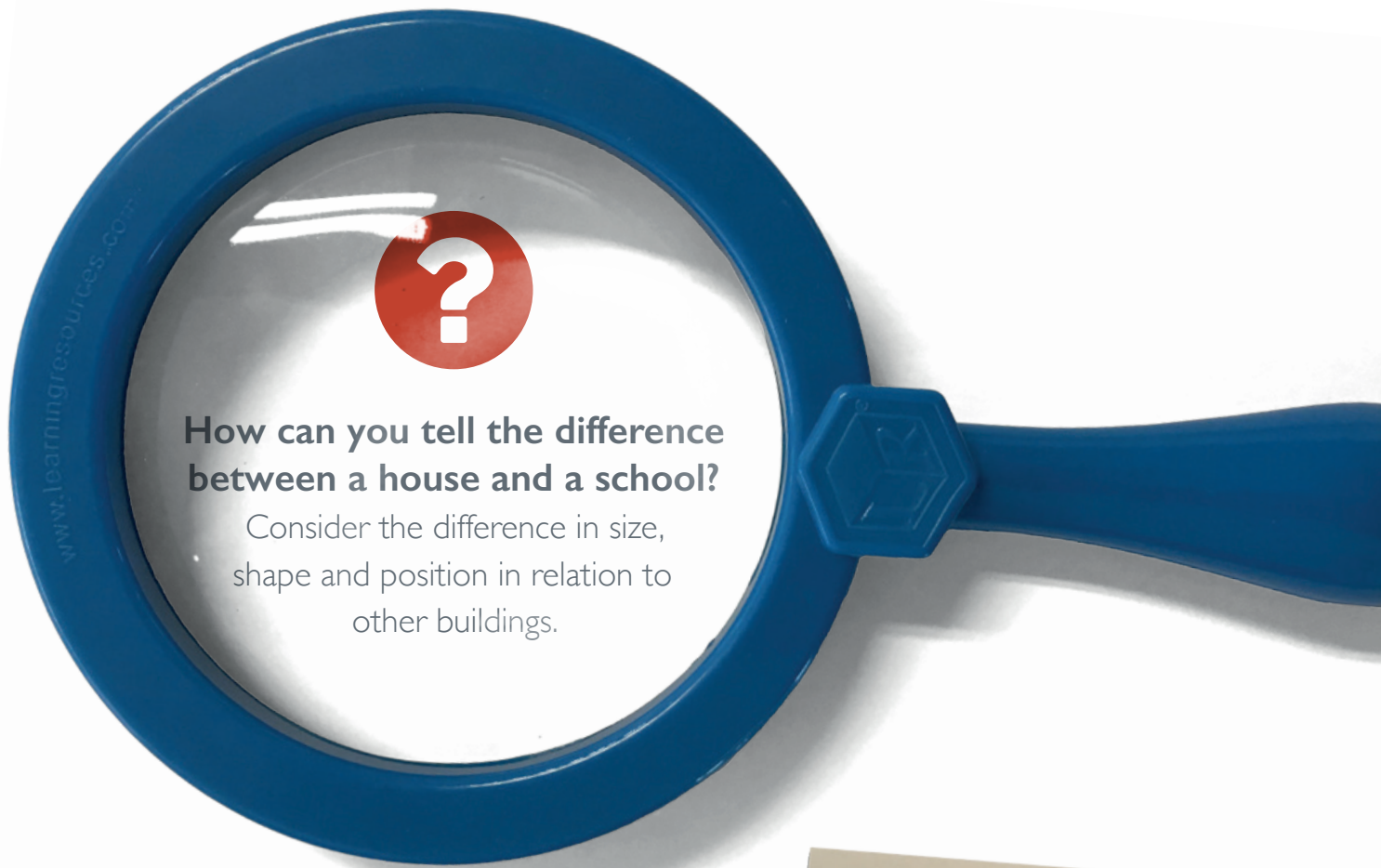
- ▶ do not exist
- ▶ are still in copyright
- ▶ we do not have permission to use
- ▶ they are the wrong scale for the project,
- ▶ they do not consistently cover the West of England area and so have not been selected for this project.




Lesson 1 Activity 1

Reading a map

- Match the feature to its label on **Reading a map worksheets 1 and 2**. Each one focuses on either physical or human characteristics. This can be done individually or in pairs. Discuss the answers as a group.



- The 3rd worksheet** is designed to test their knowledge with pupils writing the names themselves and deciding whether the feature is a physical or human characteristic.

 This could also be completed as a class discussion.

Lesson 1 Activities 2 and 3

Layers of place and Map Bingo

Layers of place


 Put the list of words in ascending order using **Layers of place Worksheet 1**.

This can be done individually or in pairs, or the words could also be cut out and used as a table group activity.



 **Discuss the answers as a group.**

Map Bingo

 This is a whole class activity as a follow-on from activities 1 and 2.

- ▶ Give each pupil a bingo sheet and read out words from the bingo words resource. Pupils should cross off the corresponding word or image on their sheet.
- ▶ You could play for a line of 3 or a full house and the winner could shout **'I Know My Maps!'** or make up your own.
- ▶ Check the winning answers.

Lesson 1 Activity 4


Delivering directions


Delivering directions

 Using *Know Your Place* find a built up area with a series of streets.


- ▶ Identify 4 separate points on the map and label them 1, 2, 3 and 4 or A, B, C and D.
- ▶ Write them on screen or create a screenshot of the map as a worksheet for the class to use.
- ▶ These will be different starting and finishing points.


KEY STAGE 3

 The postman is trying to deliver his letters but has taken a wrong turning and got lost! Can you help him?

 Write out instructions for him to get from point X to Y.

- ▶ Use phrases like "go forward," "take the 1st left" and "pass the post office."

 Use the points to give pupils different starting and finishing points, i.e. point 1 to 3 or D to B and so on.

 Pupils could work in pairs with tablets to do this or discuss as table groups using an on screen projection in the classroom.

▶ The KYP lorry company is delivering a collection of ordnance survey maps from the local archives to a secondary school in your area. The driver also has to stop at the museum to pick up some more resources.


- ▶ Using *Know Your Place*, plan the route from your nearest archive store to a local secondary school.
- ▶ Don't forget it must be suitable for a lorry (so ideally not narrow lanes!)

Lesson 1 Activity 5


Class map


 Watch this 1:38 minute long clip on The Island by Stephen Walker:

www.bbc.co.uk/education/clips/zh2g9j6


 Create your own map with sites that are very important to you.

Put where **you** live in the middle of a piece of paper and label or draw sites around it that are important to you.

 It could be the park, school, train station, grandparents' house, where you walk the dog or play football etc.

 Don't forget to draw it like a map and include streets and roads!

 To make this into a larger class project use *Know Your Place* to draw the main roads, streets, rivers and features of your local area on a large piece of paper, sugar paper or A1. Ask pupils to add something from their own maps to the class map as geographically accurate as they can!

 Take a look at further examples of Stephen Walker's work here: stephenwalter.co.uk



Lesson 1 Activity 6

What have I learnt?



I have learnt...



I have enjoyed...

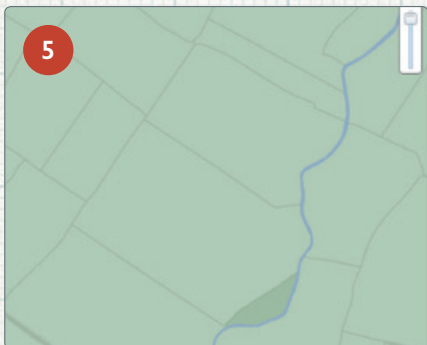


What would you do differently next time?

Lesson 1 Activity 1

Reading a map - Worksheet 1

Physical Characteristics



 POND/LAKE

 PARK/GREEN LAND

 RIVER

 FOOTPATH

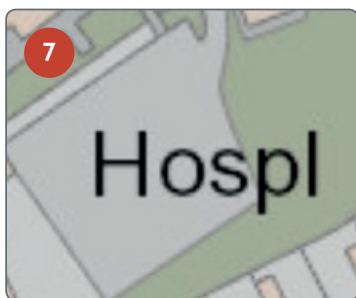
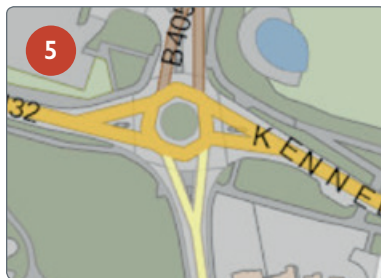
 FIELD BOUNDARIES

 COAST

Lesson 1 Activity 1

Reading a map - Worksheet 2

Human Characteristics



Lesson 1 Activity 1

Reading a map - Worksheet 3

 Write the labels next to each symbol and whether they are human or physical characteristics.

LABEL:



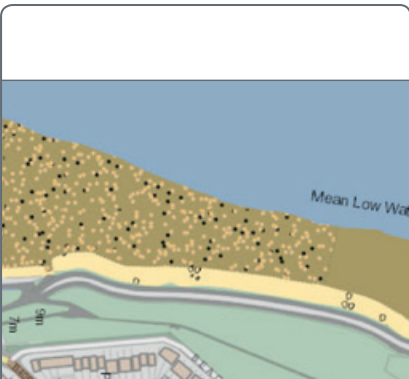
HUMAN ☐ PHYSICAL ☐



HUMAN ☐ PHYSICAL ☐



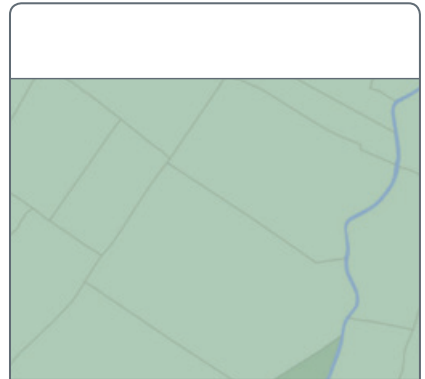
HUMAN ☐ PHYSICAL ☐



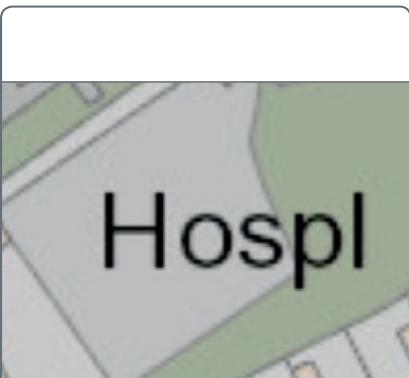
HUMAN ☐ PHYSICAL ☐



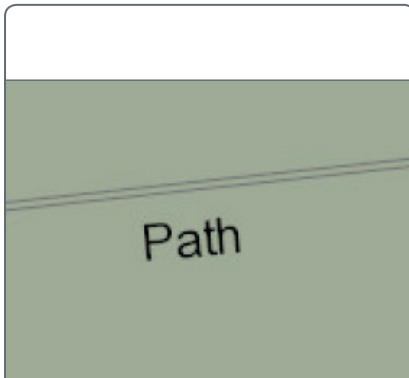
HUMAN ☐ PHYSICAL ☐



HUMAN ☐ PHYSICAL ☐



HUMAN ☐ PHYSICAL ☐



HUMAN ☐ PHYSICAL ☐



HUMAN ☐ PHYSICAL ☐

Lesson 1 Activity 1

Reading a map - Worksheet 4

⚙ Write the labels next to each symbol and whether they are human or physical characteristics.

LABEL:



HUMAN ☐ PHYSICAL ☐



HUMAN ☐ PHYSICAL ☐



HUMAN ☐ PHYSICAL ☐



HUMAN ☐ PHYSICAL ☐



HUMAN ☐ PHYSICAL ☐



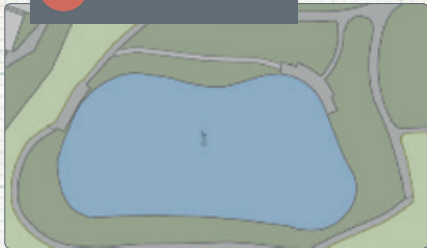
HUMAN ☐ PHYSICAL ☐

Lesson 1 Activity 1

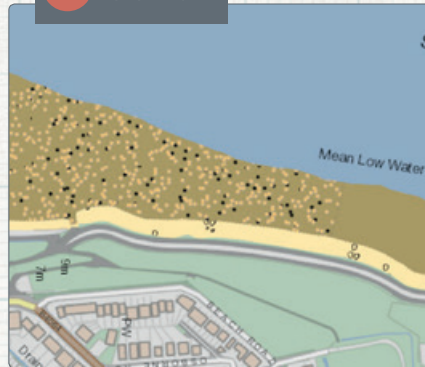
Reading a map - Worksheet 1

Physical Characteristics Answers

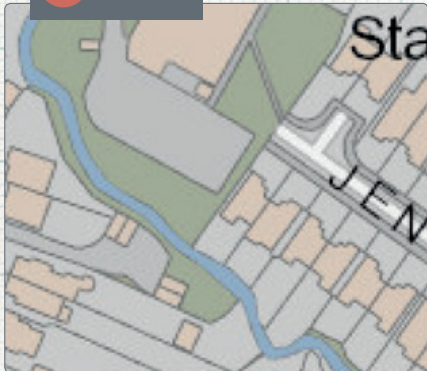
POND/LAKE



COAST



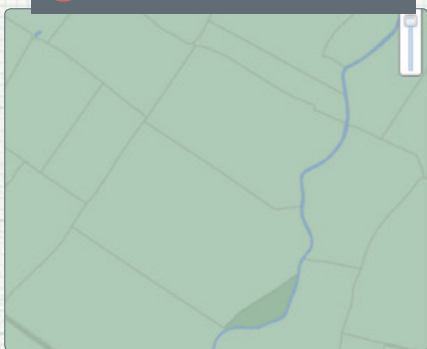
RIVER



PARK/GREEN LAND



FIELD BOUNDARIES



FOOTPATH



Lesson 1 Activity 1

Reading a map - Worksheet 2

Human Characteristics Answers

MUSEUM



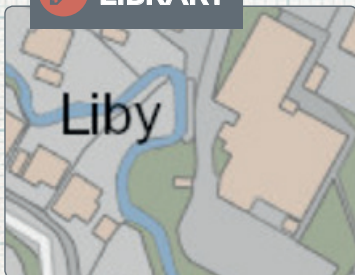
POLICE STATION



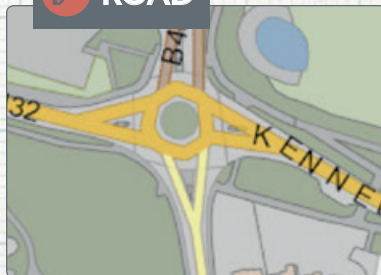
POST OFFICE



LIBRARY



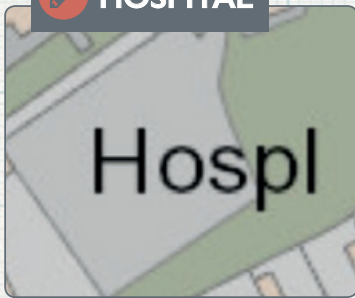
ROAD



RAILWAY



HOSPITAL



RELIGIOUS SITE



HOUSE



Lesson 1 Activity 2

Layers of place - Worksheet 1

⚙️ Put these in size order starting with the smallest

SMALLEST



LARGEST

Country

Town

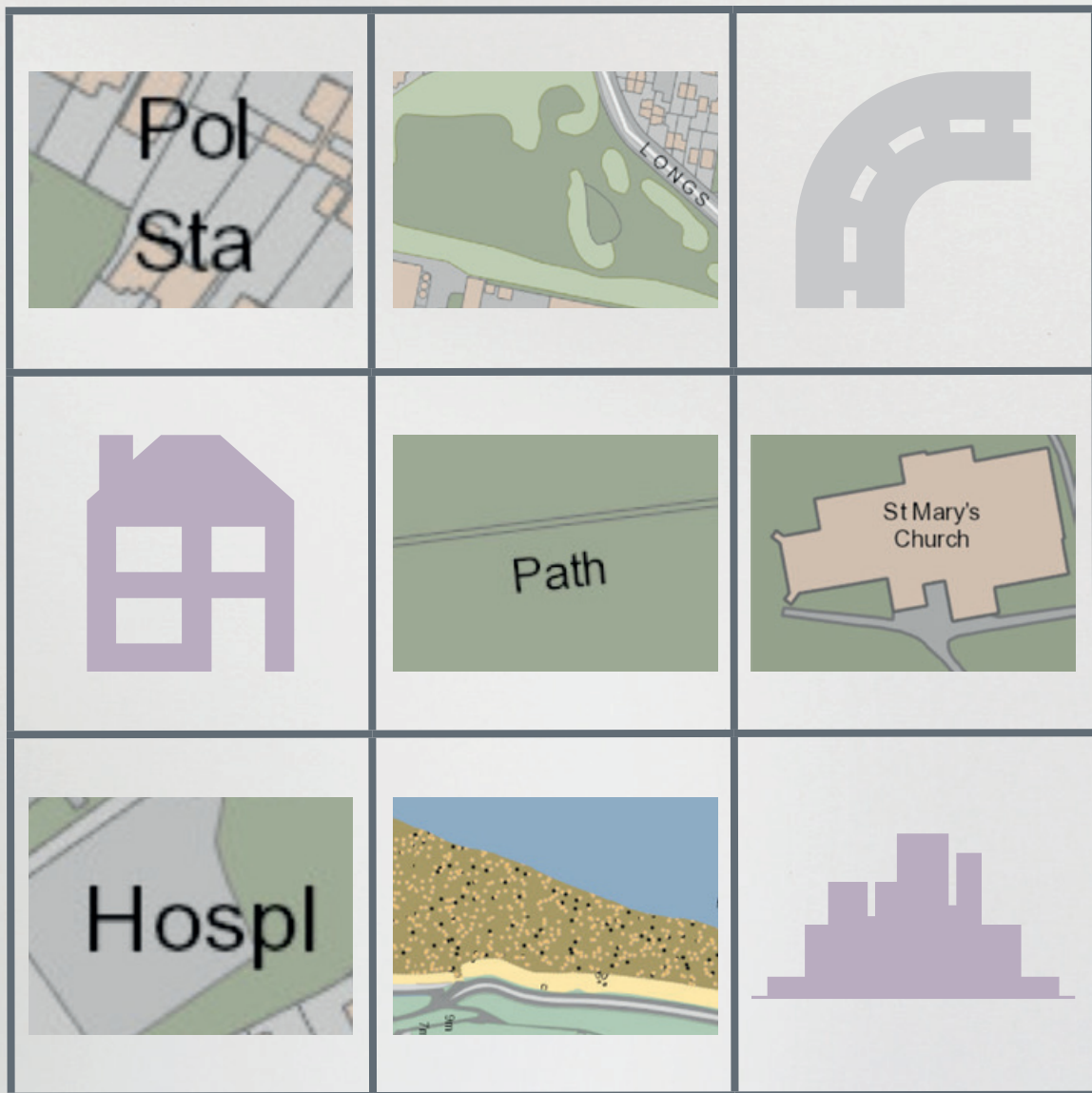
County

Village

Street

Lesson 1 Activity 3

Map Bingo - Worksheet 1



Lesson 1 Activity 3

Map Bingo - Worksheet 2



Lesson 1 Activity 3

Map Bingo - Worksheet 3



Lesson 1 Activity 3

Map Bingo - Teachers Resource

