ST LAWRENCE C.E. PRIMARY SCHOOL LEARNING JOURNEY

SUBJECT: Geography UNIT: Map Skills TERM: Autumn 1 YEAR GROUP: 3

THE BIG QUESTION			
How can we accurately use a map to find out about an area?			
END OF UNIT OUTCOME	Children to create their own map (fairy tale theme) and quiz with explanation on how to find a 4-figure grid reference		
OBJECTIVES	• use maps, atlases, globes and digital/computer mapping to locate countries and describe features studied • 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 and the wider world		
CONCEPT: Achievement			
LESSON 1 QUESTION	**How can we locate countries and cities using Google Earth?**		
KEY KNOWLEDGE	Know that Google Earth is a computer program that shows a 3D representation of Earth based mostly on satellite imagery (iPads). - search and locate various countries and cities using Google Earth		
RICH TASK	Introduce The Big Question – what do they already know? Explore KO – copy in book after title page and paper copy home. Show the children Google Earth and demonstrate the features. Why might this be a useful tool? Google Earth Quiz – children to locate different countries and cities to find the answers.		
SUPPORT AND CHALLENGE	Support – children to work with a partner Challenge – children to write their own questions to ask the class		
KEY VOCABULARY	Google Earth Satellite Map Country City Capital city	**RESOURCES**	Ipads – Google Earth Quiz
LESSON 2 QUESTION	**What are common features of a map and how can we use them?**		
KEY KNOWLEDGE	Know that maps give us information about places. They show us where places are and help us to identify where things are located. - a map uses symbols to represent a place or object. These symbols are explained in a key.		

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<table>
<tr><td></td><td colspan="3">- using a map scale means the distance between places is shown accurately.
- Compass position of North, North-East, North-West, South, South-East, South-West, East and West.</td></tr>
<tr><td>RICH TASK</td><td colspan="3">Retrieval practice activity – connect 3 – what is the connection between these three images (satellite, smartphone, building - aerial view)
Revise KO
Look at a variety of maps and get children to spot what is similar and what is different with the maps. Can they find a key? What symbols are used? Is there a scale? Is there a compass?
Children to practise using a compass on the playground to describe the location of different objects using the 4 points of the compass then 8.

Compass map challenge with a partner – can they follow the route successfully? Can they describe the location of different places? Can create a route for their partner to follow?
Using a map of the UK (p.19) children to describe where cities are using compass symbols.

Explain how to use the map scale. Children to complete a quiz - what is the distance between ….. and …..</td></tr>
<tr><td>SUPPORT AND CHALLENGE</td><td colspan="3">Support – small group work with an adult
Challenge – children create their own questions using correct vocabulary</td></tr>
<tr><td>KEY VOCABULARY</td><td>Compass
North, North-East, North-West, South, South-East, South-West, East, West
Scale
Kilometres
Centimetres</td><td>RESOURCES</td><td>Maps intro: https://www.bbc.co.uk/teach/class-clips-video/geography-ks1--ks2-maps/zdwhpg8

MapZone : map skills : compasses and directions

MapZone : map skills : understanding scale : page one
Different maps
Atlases
Rulers
Compasses
Compass directions sheets
Quiz questions</td></tr>
<tr><td colspan="4"></td></tr>
<tr><td>LESSON 3 QUESTION</td><td colspan="3">What symbols are used on an OS map?</td></tr>
<tr><td>KEY KNOWLEDGE</td><td colspan="3">Know that Ordnance Survey (OS) is Britain’s mapping agency which create up to date and accurate maps showing the landscape’s human and physical features.</td></tr>
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<tr><td></td><td colspan="3">- all OS maps use the same symbols, which are included in a key so people using the map know what each symbol represents.
- different types of roads are shown in different colours - blue for a motorway, red for a main road and yellow or orange for narrower roads.
- dotted green lines are usually used to show footpaths.
- you can identify human and physical features of the local area on an OS map.</td></tr>
<tr><td>RICH TASK</td><td colspan="3">Retrieval practice activity – key word retrieval
Revise KO
Go through symbols on OS map. Have OS map symbols and what they mean on separate cards, children to match the correct symbol and word.

Give children a section of an OS map of Alton. Give children a landmark to find and highlight (each landmark highlight in a different colour – create a key for this).</td></tr>
<tr><td>SUPPORT AND CHALLENGE</td><td colspan="3">Support – scaffolded sheet to include fewer symbols and meaning cards
Challenge – once matched, using knowledge from previous lesson describe the location of different symbols using compass directions e.g. the museum is North-West from the school.</td></tr>
<tr><td>KEY VOCABULARY</td><td>Ordnance Survey (OS)
Symbol
Key
Map</td><td>RESOURCES</td><td>MapZone : map skills : map symbols : page one
OS map section of Alton
OS symbols and meaning cards
Highlighters</td></tr>
<tr><td colspan="4"></td></tr>
<tr><td>LESSON 4 QUESTION</td><td colspan="3">How can we use four-figure grid references to locate places?</td></tr>
<tr><td>KEY KNOWLEDGE</td><td colspan="3">Know that a four-figure grid reference is a useful way of identifying any square on a map.
- maps have grid lines on them and we use them to pinpoint locations by using grid reference.
- the horizontal grid lines are called an easting.
- the vertical grid lines are called a northing.
Know how to use a four-figure grid reference.
Find 47 33
- Go along the bottom of the map until you reach the easting 47.
- Then, go up the side of the map until you reach the northing that forms the bottom side of the square your trying to locate e.g. 33
- Where these two lines meet will be the square 47 33.</td></tr>
<tr><td>RICH TASK</td><td colspan="3">Retrieval practice activity – OS symbols challenge
Revise KO
Model how to find a four-figure grid reference – lots of practise as a class and partner work.</td></tr>
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	Children to complete the cracking the code activity involving them finding grid references to lead them to a building or road name.		
SUPPORT AND CHALLENGE	Support – simplified map and prompt sheet Challenge – more detailed map		
KEY VOCABULARY	Four-figure grid reference Northing Easting Horizontal Vertical	**RESOURCES**	MapZone : map skills : grid references cracking the code activity
LESSON 5 & 6 QUESTION	**How can we accurately use a map to find out about an area?**		
KEY KNOWLEDGE	Revision of key knowledge		
END OF UNIT OUTCOME	Revision of key knowledge – create mind map answering what do we know about maps – compare with a partner and add anything missed n a different colour. KO quiz Children to create their own Fairy tale map. Map to include: - the eight-point compass - four-figure grid references - symbols - key Children to create a quiz and answers about finding features of their map e.g. what is the grid reference of the Troll Bridge? What landmark is North of The Three bears cottage? Children to provide an explanation on the different features of a map. Children to share their maps with different members of the class and ask them to answer their questions.		
SUPPORT AND CHALLENGE	Support – structured template for map and question prompts Challenge – explain how to find a 4-figure grid reference using their map as an example. If confident children could create their map with a scale.		
KEY VOCABULARY	North, North-East, North-West, South, South-East, South-West, East, West Four-figure grid reference Symbol Key Scale	**RESOURCES**	Template for map Scaffolded template for map Question prompts