

Progression in mapping

Paula Owens

Geography Teaching Resource

Primary



Years 1 and 2

Using and interpreting	Position and orientation	Drawing	Symbols	Perspective and scale	Digital map making
<p>I can find information on aerial photographs.</p> <p>I know that maps give information about the world (where and what?).</p> <p>I can follow a route on a prepared map.</p> <p>I can recognise simple features on maps such as buildings, roads and fields.</p> <p>I recognise that maps need a title.</p> <p>I can use maps to talk about everyday life for example, where I live, journey to school, where places are in a locality.</p> <p>I can begin explaining why places are where they are.</p>	<p>I am beginning to use directional vocabulary.</p> <p>I can say which direction N, S, E,W is for example, using a compass in the playground.</p> <p>I know which direction N is on an Ordnance Survey map.</p>	<p>I can draw a simple map</p> <p>(real or imaginary place) for example, freehand maps of gardens, watery places, route maps, places in stories.</p>	<p>I can use symbols on maps (own and class agreed symbols).</p> <p>I know that symbols mean something on maps.</p> <p>I can find a given Ordnance Survey symbol on a map with support.</p> <p>I am beginning to realise why maps need a key.</p>	<p>I can look down on objects and make a plan for example, on desk, high window to playground.</p> <p>I can draw objects to scale (for example, on table or tray using squared paper 1:1 first, then 1:2 and so on).</p> <p>I can use large scale, vertical aerial photographs.</p> <p>I know that when you 'zoom in' you see a smaller area in more detail.</p>	<p>I can find places using a postcode or simple name search.</p> <p>I can add simple information to maps for example, labels and markers.</p> <p>I can draw around simple shapes and explain what they are on the map for example, houses.</p> <p>I can use the measuring tool with support to show distance for example, my house to school, to the shops.</p> <p>I can zoom in and out of a map.</p> <p>I can draw a simple route.</p> <p>I can highlight areas.</p> <p>I can add an image to a map.</p>

Work confidently with:

- Large scale street maps and large scale
- Ordnance Survey maps (1:1250. 1:2500)
- Aerial photographs
- Games with maps and globes.

Have experience of:

- a range of different maps for example, tourist brochure, paper maps, storybook maps,
- Ordnance Survey digital maps at different scales,
- globes and atlases.

Introduce:

- simple grids,
- four cardinal points,
- basic digital mapping tools,
- zoom function of digital maps.

Context:

- focus on the local scale - home, school, neighbourhood, everyday lives (their own and others), work in the school grounds.
- global scale – world maps, globes and through story.

Suggested Digimap for Schools Activities

- Letter to our school
- Where do I live?
- How can we get to Grandma's safely?
- What's the quickest way to school?
- My geography glasses
- Who goes to school by boat?
- Where does our milk come from?
- Where do I go in a week?
- Capital Stops
- My Dream Island
- The Magic Telescope

Years 3 and 4

Using and interpreting	Position and orientation	Drawing	Symbols	Perspective and scale	Digital map making
<p>I can use atlases, maps and globes.</p> <p>I can use large scale maps outside.</p> <p>I can use maps at more than one scale.</p> <p>I can make and use simple route maps.</p> <p>I can locate photos of features on maps.</p> <p>I can use oblique and aerial views.</p> <p>I can recognise some patterns on maps and begin to explain what they show.</p> <p>I can give maps a title to show their purpose.</p> <p>I can use thematic maps.</p> <p>I can explain what places are like using maps at a local scale.</p>	<p>I can use simple grids.</p> <p>I can give direction instructions up to 8 cardinal points.</p> <p>I can use 4-figure coordinates to locate features.</p> <p>I know that 6 figure Grid References can help you find a place more accurately than 4-figure coordinates.</p>	<p>I can make a map of a short route with features in correct order.</p> <p>I can make a map of small area with features in correct places.</p>	<p>I can use plan views regularly.</p> <p>I can give maps a key with standard symbols.</p> <p>I can use some Ordnance Survey style symbols.</p>	<p>I can use maps and aerial views to help me talk about for example, views from high places.</p> <p>I can make a simple scale plan of room with whole numbers for example, <i>1 sq.cm = 1 square tile on the floor moving onto 1cm² = 1m².</i></p> <p>I can use the scale bar to estimate distance.</p> <p>I can use the scale bar to calculate some distances.</p>	<p>I can use the zoom function to locate places.</p> <p>I can use the zoom function to explore places at different scales.</p> <p>I can add a range of annotation labels and text to help me explain features and places.</p> <p>I can highlight an area on a map and measure it using the Area Measurement Tool.</p> <p>I can use grid references in the search function.</p> <p>I can use the grid reference tool to record a location.</p> <p>I can highlight areas within a given radius.</p>

<p>I recognise that contours show height and slope.</p>				<p>I can relate measurement on maps to outdoors (using paces or tape).</p>	<p>I can add photographs to specific locations.</p>
<p>Work confidently with:</p> <ul style="list-style-type: none"> • Large scale street maps and large-scale Ordnance Survey maps (1:1250, 1:2500), • aerial photographs, • oblique and bird’s eye views, • games with maps and globes, • Ordnance Survey maps 1:1250, 1:2500 and 1:10 000, • 4-figure coordinates. <p>Have experience of:</p> <ul style="list-style-type: none"> • a range of different maps for example, tourist brochure, paper and digital maps, storybook maps, atlases, Ordnance Survey paper and digital maps at different scales, • 6-figure coordinates. <p>Introduce:</p> <ul style="list-style-type: none"> • what 6-figure Grid References mean, • 8 cardinal points, • greater independence in using digital mapping tools. <p>Context:</p> <p>a range of places in the wider locality and in contrasting localities, fieldwork in the wider locality.</p>			<p>Suggested Digimap for Schools Activities</p> <ul style="list-style-type: none"> • Treasure Hunt • Picture Detectives • Artful Maps • Patterns of land use • Flying High: White –Tailed Eagles • Teifi Travels • A Taste of Scotland • Landscape Fingerprints 		

Years 5 and 6

Using and interpreting	Position and orientation	Drawing	Symbols	Perspective and scale	Digital map making
<p>I can relate maps to each other and to vertical aerial photographs.</p> <p>I can follow routes on maps saying what is seen.</p> <p>I can use index and contents page of atlas.</p> <p>I can use thematic maps for specific purposes.</p> <p>I know that purpose, scale, symbols and style are related.</p> <p>I can appreciate different map projections.</p> <p>I can interpret distribution maps and use thematic maps for information</p> <p>I can follow a route on 1:50 000 Ordnance Survey map; I can describe and interpret relief features.</p>	<p>I can use 4 and 6-figure coordinates to locate features.</p> <p>I can give directions and instructions to 8 cardinal points.</p> <p>I can align a map with a route.</p> <p>I can use latitude and longitude in an atlas or globe.</p>	<p>I can make sketch maps of an area using symbols and key.</p> <p>I can make a plan for example, garden, play park; with scale.</p> <p>I can design maps from descriptions.</p> <p>I can draw thematic maps for example, local open spaces.</p> <p>I can draw scale plans.</p>	<p>I can use agreed and Ordnance Survey symbols.</p> <p>I appreciate maps cannot show everything.</p> <p>I can use standard symbols</p> <p>I know 1:50.000 symbols and atlas symbols.</p>	<p>I can use a range of viewpoints up to satellite.</p> <p>I can use models and maps to talk about contours and slope.</p> <p>I can use a scale bar on all maps.</p> <p>I can use a linear scale to measure rivers.</p> <p>I can describe height and slope using maps, fieldwork and photographs.</p> <p>I can read and compare map scales.</p> <p>I can draw measured plans for example, from field data.</p>	<p>I can find 6-figure grid references and check using the Grid Reference Tool.</p> <p>I can combine area and point markers to illustrate a theme.</p> <p>I can use maps at different scales to illustrate a story or issue.</p> <p>I can use maps to research factual information about locations and features.</p> <p>I can use linear and area measuring tools accurately.</p>

Work confidently with:

Large scale street maps and large-scale Ordnance Survey maps (1:1250, 1:2500); aerial photographs, oblique and bird's eye views, games with maps and globes, Ordnance Survey maps 1:1250, 1:2500, 1:10 000, 1:25 000, 1:50 000 4 and 6-figure coordinates.

Have experience:

of a range of different maps for example, tourist brochure, paper and digital maps, storybook maps, atlases, Ordnance Survey paper and digital maps at different scales, 6-figure coordinates.

Introduce: what 6 figure Grid References mean and how to calculate them.

Context: a range of places at different scales and with different themes, fieldwork in the wider and distant locality.

Suggested Digimap for Schools Activities

- Fantasy Maps
- Weather Warning!
- Coastal Mysteries
- Landscape Poetry
- Lighthouse for Sale
- My Top Tourism Trail
- It's a Rubbish Footprint!
- Extreme GB
- Map Detectives
- Emergency Rescue!

See also

- Mapping our Globe <http://www.geography.org.uk/resources/mappingourglobe/#top>
- Think pieces and Resources Making Maps <http://www.geography.org.uk/gtip/thinkpieces/makingmaps/#786>

Copyright

©EDINA at the University of Edinburgh 2016

This work is licensed under a Creative Commons Attribution-Non-Commercial Licence

