

# Progression in mapping

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## 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 1cm<sup>2</sup> = 1m<sup>2</sup>.</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>

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

## 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>

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