

Progression in Mapping

Years 1 and 2

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

I can begin explaining why places are where they are.				see a smaller area in more detail.	
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
I can use atlases, maps and globes. I can use large scale maps outside. I can use maps at more than one scale. I can make and use simple route maps. I can locate photos of features on maps. I can use oblique and aerial views. I can recognise some patterns on maps and begin to explain what they show. I can give maps a title to show their purpose. I can use thematic maps.	I can use simple grids. I can give direction instructions up to 8 cardinal points. I can use 4-figure coordinates to locate features. I know that 6 figure Grid References can help you find a place more accurately than 4- figure coordinates.	I can make a map of a short route with features in correct order. I can make a map of small area with features in correct places.	I can use plan views regularly. I can give maps a key with standard symbols. I can use some Ordnance Survey style symbols.	I can use maps and aerial views to help me talk about for example, views from high places. I can make a simple scale plan of room with whole numbers for example, $1\text{ sq.cm} = 1\text{ square tile on the floor moving onto }1\text{cm}^2 = 1\text{m}^2$. I can use the scale bar to estimate distance.	I can use the zoom function to locate places. I can use the zoom function to explore places at different scales. I can add a range of annotation labels and text to help me explain features and places. I can highlight an area on a map and measure it using the Area Measurement Tool. I can use grid references in the search function.

I can explain what places are like using maps at a local scale. I recognise that contours show height and slope.				I can use the scale bar to calculate some distances. I can relate measurement on maps to outdoors (using paces or tape).	I can use the grid reference tool to record a location. I can highlight areas within a given radius. I can add photographs to specific locations.
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 and 1:10 000, • 4-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,				Suggested Digimap for Schools Activities • Treasure Hunt • Picture Detectives • Artful Maps • Patterns of land use • Flying High: White –Tailed Eagles • Teifi Travels • A Taste of Scotland • Landscape Fingerprints	

• 8 cardinal points, • greater independence in using digital mapping tools. Context: a range of places in the wider locality and in contrasting localities, fieldwork in the wider locality.	
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Years 5 and 6

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

I can appreciate different map projections. I can interpret distribution maps and use thematic maps for information I can follow a route on 1:50 000 Ordnance Survey map; I can describe and interpret relief features.		I can draw thematic maps for example, local open spaces. I can draw scale plans.		I can describe height and slope using maps, fieldwork and photographs. I can read and compare map scales. I can draw measured plans for example, from field data.	I can use linear and area measuring tools accurately.
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!		

Reference

Digimap for Schools, EDINA at the University of Edinburgh 2016