Digimap for Schools

Progression in Mapping

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Geography teaching resource

Primary

This is one of a series of teaching resources for use with Digimap for Schools. For more details about this service, visit http://digimapforschools.edina.ac.uk

Ordnance Survey

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Digimap for Schools resources: Progression map to show how you might develop mapping skills in Primary

	Using and interpreting	Position and orientation	Drawing	Symbols	Perspective & scale	Digital map making
Year 1 and 2	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 can begin explaining why places are where they are.	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 see a smaller area in more detail.	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.
	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 and 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 (* Ks1-2)** 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*		

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Year 3 and 4	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 explain what places are like using maps at a local scale. I recognise that contours show height and slope.	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 6figure 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 sq.cm = 1 square tile on the floor moving onto 1cm2 = 1m2.* I can use the scale bar to estimate distance. 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 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 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, 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.			**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		

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Year 5 and 6 **More Able Y6**	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 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 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 draw thematic maps for example, local open spaces. I can draw scale plans.	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 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 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 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		