

Usefulness to the curriculum

	Use by individual Students?	Suitable for Shared Computers?	Suitable for One Machine Per Class?	Is included Data Useful to Curriculum?	Input typical Students' data?	Case Studies Included?	Useful Case Studies?	What data is included?	Comments
Software									
AEGIS 3	✓	✓	✓	H	L	✓	✓	Weather and Climate – Year 7 Landscape and Environment – Studland Coastal Environment – KS3 Development – Italy – KS3 (also map and data provided for France) Traffic Congestion – Bypass exercise – Year 9 India – Population KS3/4 World Development – KS3, but of use up to AS Level UK Economic Activity – GCSE Settlements – Hitchin – GCSE, but could be adapted for use as an individual study at A level	<ul style="list-style-type: none"> • Provided data is easier to insert into the case studies than original data into new work • Case studies are all useful at the level indicated and relatively straightforward to use
Arc Explorer	✓	✓	✓	M	L	X		Quick Start map of USA with lakes and states. Can access additional data from ESRI on the Web: USA and world data with cities, water, political boundaries, airports, roads and an aerial photo of San Diego. Also connects to e.g. ONS website.	<ul style="list-style-type: none"> • Data has USA bias
ArcView	✓	✓	✓	M (H)	L (H)	✓	X (✓)	ArcAtlas Data Set, Explore Your World lesson booklet and poster, ESRI Map Book, GIS for Schools and Libraries CD including Arc Voyager. Can access additional data live from ESRI on the Web and e.g. ONS website.	<ul style="list-style-type: none"> • No educational case studies - only professional use case studies • Data has an American bias • 14 CDs in the total package
Cadcorp	✓	✓	✓	L	H	X		OS data for Port Talbot	<ul style="list-style-type: none"> • Absence of educational case studies • Connection to web geo-databases
Digital Worlds	✓	✓	✓	H	L	✓	✓	Centred on school: Aerial photography covers 10km2 supplied in 1km tiles, Satellite data, Census sample of 2001 ward data of household and population data for your county or district, historic maps, elevation data, OS 1:25,000 and 1:50,000 covering 10km2 area centred on your school. Separate datasets covering the whole of the UK are also available for teaching specialist curriculum areas or investigating fieldwork locations.	<ul style="list-style-type: none"> • Impressive array of maps, aerial photos and census data • Attributes from census data may be selected and mapped by choropleth, controlling the breadth and nature of categories • Hotlinks may be created, adding own photos etc from linked files • Stylised project maps may be created on a choice of proforma • Data is useful for geographical study of spatial differences in census data, for linking historical and current maps and so studying change, for linking maps to aerial photos to mentally picture and study an area
Geomata Freeview	X	X	✓	L	L	✓	X	Aerial photographs, Digital Elevation Models, Landsat & SPOT Satellite Data, RADARSAT Radar data, vector Maps and layers centered on California USA (urban, rail, lakes, rivers, vegetation, contours) with other data of other North American cities.	<ul style="list-style-type: none"> • Data has an American bias
Geomedia Pro	X	X	✓	M	L	✓	✓	US sample data. Schools can be provided with an additional 2 CD set for the US including topographic detail and Census data at the county level and a 1:1,000,000 map of the world.	<ul style="list-style-type: none"> • The case studies demonstrate the major projects that Intergraph have completed around the World. The case studies may be of use to Y12 and Y13 researching into the potential of GIS • The case studies are interesting reading material for staff. They would not be used for teaching materials within the existing geography curriculum
Geomedia Viewer	✓	✓	X	M	X	✓	✓	USA states, cities, highways, rivers, counties, Satellite image for the USA	<ul style="list-style-type: none"> • There is only one case study that has data for the USA • This includes a broad range of human and physical geography data and an excellent satellite image that is fun to play with • A good introduction to GIS
IDRISI	X	X	✓	L	L	✓	✓	Fly-through scenes	<ul style="list-style-type: none"> • Large files to download – not UK • It is possible to download resources from the Internet • The future possibilities with this software would allow creative work • The fly through demonstrations and downloads provide insight of the possibilities
InfoMapper	✓	✓	✓	H	H	✓	✓	Numerous, including: UK and world street mapping, aerial photos, MasterMap, world web cams, world lights, DEM Share resources with other schools	<ul style="list-style-type: none"> • Can locate a variety of places on different map types both in the local area and around the world. • Excellent supplement to lessons about a variety of geographical topics and locations around the world. • A cross-curricular resource, so it's important for geographers to get other subjects interested

Local Studies	✓	✓	✓	M (H)	H	✓	✓	A series of KS2-3 worksheets, asking questions about specific maps drawn using the software: A Small Town, Shop Survey, Farm Study, Hinton and High Wood – country info, Tourist Map - Coastal info.	<ul style="list-style-type: none"> It only supports NTF maps, but if used with Map Importer other formats can be used Useful worksheets Map data can be obtained from the Local Authority among other sources
Manifold	✓	✓	✓	L	M	✓	X	(With Manifold 6 CD) European country boundaries, elevations, hydrology, industrial locations, population, transport, utilities, USA cities Census, transport, parks, zip codes, World continents, cities, hydrography, industry, lakes.	<ul style="list-style-type: none"> The case studies illustrate the use of GIS and the potential of the software Ready made packages are required and tutorials so that this software can be used
Map Explorer	✓	✓	✓	L	L	X		N/A	<ul style="list-style-type: none"> Teachers would have to build in their own case study material
Map Importer	✓	✓	✓	L	L			NTF map tiles to demo with: Ss7887se.ntf, Ss7887sw.ntf, Ss7986.ntf, Ss7987.ntf	<ul style="list-style-type: none"> 2 urban and 2 rural tiles included Case studies illustrate potential and for basic navigation training Included tile content not interesting otherwise
Maptitude	✓	✓	X	L	L	✓	X	Extensive Census data covering everything from race and religion to language spoken and is for varying levels of geography	<ul style="list-style-type: none"> Business orientated case studies rather than educational
Mapping Skills	✓	✓	✓	H	H	X		28 units on map interpretation	<ul style="list-style-type: none"> Quite good as a whole class exercise on whiteboard to launch it but better individually The range of map skills is quite broad and goes to quite a high level whilst encouraging students at each stage. "More able Year 11 Students at my school (moderate learning difficulties) picked it up fairly quickly with guidance"
Maps Direct	✓	✓	✓	M	M	✓	✓	OS MasterMap and OS 1:50,000	<ul style="list-style-type: none"> Some exercises and handouts Ideal for field trips The case studies are short exercises that are well thought out Could be used in a variety of ways by students on their own or on shared computers with guidance or with a whiteboard/projector for demonstration
Map Skills Plus	✓	✓	✓	M	L	✓	✓	To help get started, OS Landline mapping for Hope in the Peak District National Park, as well OS large scale raster mapping for the area around the City of London and also St Albans is included, along with photo databases on key topics. And with a revision exercise relating to the M4 corridor. Optional Scamp CD-ROM (Census and IMD) and Exploring Today's Britain (Human Geography topics)	<ul style="list-style-type: none"> Need understanding of the MapShore software to add in own data Students may find the tasks undemanding, dull and repetitive without teacher selection and guidance Some images are poor quality
Memory Map	✓	✓	✓	M (H)	H	X		1:25,000 and 1:250,000 Legends Manchester City Centre Street Map CAA – EGHI Southampton Airport, 1:250k and 1:500k Solent Air maps 1:50,000 sample map Swansea GB Road Atlas European Road Atlas sample page Marine Charts British Isles and approaches to Solent Aerial photography with OS Explorer range	<ul style="list-style-type: none"> Perhaps most useful with a whiteboard to demonstrate to the whole class Could be useful for general map work, settlement, urban land use and comparison with photographs Potential for historical application Not much potential for creative map work The 3D imagery is excellent It syncs easily with GPS and pocket pc's
Multimap	✓	✓	✓	H	X	X		Aerial photos, GB, Europe, Australia, US street level maps	<ul style="list-style-type: none"> The combination of aerial photos and the transparent maps overlay enhance many learning activities Can illustrate how different land uses are portrayed on a 1:50,000 map and urban zones are easily identifiable Decision making exercises, where a new road or building is to be located are ideal
Our School Aerial	✓	✓	✓	M	M	X		Aerial (Millennium Map), of school location (Landline for extra charge)	<ul style="list-style-type: none"> Suitable for individual student use after initial support
Streetmap	✓	✓	✓	M	X	X		Bartholomew and OS – GB street and road map	<ul style="list-style-type: none"> Students can type in a location and a map is returned Some proper examples would be useful
Tracklogs 50	✓	✓	✓	M	M	X		OS 1:50,000 LandRanger or Explorer	<ul style="list-style-type: none"> The 3D and elevation profile would be useful for teaching about height representation

H = High, M = Medium, L = Low