

# Extra product information

## **AEGIS 3**

Website: [www.advisory-unit.org.uk/aegis3/aegis\\_home.html](http://www.advisory-unit.org.uk/aegis3/aegis_home.html)  
Email: [sales@advisory-unit.org.uk](mailto:sales@advisory-unit.org.uk)

Indigenous data format: AEGIS map  
Data formats vector: Shapefile, NTF, Goad Town Plans  
Data formats raster: OS, aerial, bitmap, jpeg, tif (need to georeference), ecw  
Other formats: Excel  
OS data: Landline, 1:50,000, 1:10,000, soon Mastermap

External equipment: GPS

Map functionality: Zoom, pan, thematic, flow line maps, charts: bar, pie, proportional circle, coloured circles

Table functionality: Select, promote, edit, sort, create new, add field

Basic vector analysis: Measure distance, area, perimeter and select by attributes

Export formats: Aegis map, bitmap, metafile

Map layout elements: legend

## **Arc Explorer**

Website: [www.esri.com](http://www.esri.com)  
Email: [info@esriuk.com](mailto:info@esriuk.com)

Indigenous data format: Shapefile, coverage, SDE layers, web services for Arc Explorer  
Data formats vector: DXF, DWG, and DGN, vpf  
Data formats raster: MrSID, JPEG, ADRG, ERDAS, GIF, TIFF, GeoTIFF, ArcInfo Grid, CIB, NITF  
Other formats: zip  
OS data: If in supported format

Map functionality: Zoom, pan, select, identify, overview, zoom to full extent, zoom to active theme, zoom to previous extent, thematic classifications, scale factors

Basic vector analysis: Measure distance, select by attributes, address matcher

Export formats: Bmp, emf

Map layout elements: Title, scale bar, north arrow, legend in template

Obtaining: Slow to download without broadband

## **ArcView Schools Bundle**

Website: [www.esriuk.com](http://www.esriuk.com)  
Email: [info@esriuk.com](mailto:info@esriuk.com)

Indigenous data format: ESRI shapefile  
Data formats vector: shapefiles, dwg, dxf, coverages  
Data formats raster: jpg, img, gif, ESRI grid, MrSid, tif, png  
Other formats: dbf, .mdb

OS data:	With world files or convert NTF with MapManager
External equipment:	ArcPad
Map functionality:	Zoom, pan, select, identify, overview, zoom thresholds, magnifier, thematic, transparency,
Table functionality:	Select, zoom to, edit, sort, add field, export, statistics
Basic vector analysis:	Buffer, overlay, intersect, point in polygon, measure distance, join tables, select by attributes
Basic raster analysis:	Histograms
Advanced analysis:	Extensions: 3D, Network Analyst, Spatial Analyst (density, raster calculator etc), Geostatistical Analyst, Tracking Analyst, Survey Analyst
Export formats:	Jpg, bmp, emf, eps, pdf, tif
Map layout elements:	Scale bar, north arrow, legend, text
Installing:	Cannot use until you enter a registration code, contact the ESRI website, then receive an authorisation file which has to be installed on the computer.

### **CadCorp Spatial Information System (MapModeller)**

Website:	<a href="http://www.cadcorp.com">www.cadcorp.com</a>
Email:	<a href="mailto:sales@cadcorp.com">sales@cadcorp.com</a>
Indigenous data format:	Base dataset (bds)
Data formats vector:	Most commonly encountered proprietary and open-standard formats.
Data formats raster:	Most commonly encountered proprietary and open-standard formats.
Map functionality:	Zoom, pan, select, identify, overview,
Table functionality:	Select, promote, zoom to, edit
Basic vector analysis:	Buffer, overlay, intersect, point in polygon, measure distance, join tables, select by attributes
Basic raster analysis:	Change resolution, reclassify cell values, histograms
Advanced analysis:	Inbuilt: Topological queries, network analysis, surface modelling and coordinate transformation

### **Digital Worlds**

Website:	<a href="http://www.digitalworlds.co.uk">www.digitalworlds.co.uk</a>
Email:	<a href="mailto:sales@digitalworlds.co.uk">sales@digitalworlds.co.uk</a>
Indigenous data format:	Digital Worlds GIS map files *.mmp
Data formats vector:	shapefile
Data formats raster:	.img, tif, Tiff, MrSid.
Map functionality:	Zoom, pan, overview, fit to frame, swipe transparency, labelling
Table functionality:	Excel functionality, zoom to
Basic vector analysis:	Buffer, overlay, intersect, merge, union, measure distance, area, perimeter, select data by attributes, find locations
Basic raster analysis:	Histograms, statistics

Map layout elements: Templates with north arrow, scale, title, legend

### **Geomatica Freeview 9**

Website: [www.pcigeomatics.com](http://www.pcigeomatics.com)  
Email: [info@pcigeomatics.com](mailto:info@pcigeomatics.com)

Data formats vector: ArcInfo coverage, shapefile, MapInfo table, IDRISI  
Data formats raster: Landsat, SPOT, bitmap, RGB/BW image, gif, ER Mapper, ERDAS Imagine, GRASS, IDRISI, jpeg, mrSID, tiff  
Other formats: Excel, Access  
OS data: NTF

Map functionality: Zoom, pan, select, overview, fastroam, zoom to layer, cursor gives location or value

Table functionality: Select, sort, statistics

Basic vector analysis: Measure, distance, line length, select data by attributes

Basic raster analysis: Histograms

### **GeoMedia Professional**

Website: <http://imgs.intergraph.com/education>  
Email: [IMGs-queryUK@ingr.com](mailto:IMGs-queryUK@ingr.com)

Data formats vector: Any  
Data formats raster: Any  
Conversion: Through data import wizard

External equipment: PDAs for fieldmapping

Map functionality: Zoom, pan, select, identify, overview,

Table functionality: Select, promote, zoom to, edit

Basic vector analysis: Buffer, overlay, intersect, point in polygon, measure distance, join tables, select by attributes

Advanced analysis: Inbuilt for vector, Extension for raster. Functional Attributes and Spatial Aggregation. AM/FM mapping, civil engineering etc

Installing: Have to obtain licence key code through website. First attempt did not work for teacher.

### **GeoMedia Viewer**

Website: <http://imgs.intergraph.com/education>  
Email: [IMGs-queryUK@ingr.com](mailto:IMGs-queryUK@ingr.com)

Data formats vector: Shapefile, MapInfo  
Data formats raster: Bitmap, tif, jpeg  
Other: MS Access  
Conversion: Described in Help – set coordinates etc

Map functionality: Zoom, pan, select, thematic, transparent

Table functionality: Select, promote, sort, statistics, copy/paste,

Basic vector analysis: Measure distance, select data by attributes

Map layout elements North arrow, scale bar, legend

### **IDRISI Kilimanjaro**

Website: [www.clarklabs.org](http://www.clarklabs.org)

Email: [idrisi@clarku.edu](mailto:idrisi@clarku.edu)

Indigenous data format: .img, .vct

Data formats vector: Shapefile, MapInfo etc

Data formats raster: ERDAS Imagine, GRASS, BMP, TIF, TIFF WORLD, JPG, PNG, PCX, WMF

Other data: MS Access

Conversion: Use Data Conversion Filter

OS Data: NTF

External equipment: Digitizer, GPS, scanner

Map functionality: Zoom, pan, select, identify, overview

Table functionality: Select, promote, zoom to, edit

Basic vector analysis: Buffer, overlay, intersect, point in polygon, measure distance, join tables, select by attributes

Basic raster analysis: Change resolution, reclassify cell values, histograms

Advanced analysis: Inbuilt and extensions: Range of 20 + extra modules covering decision support, geostats, advanced image analysis, etc...

### **InfoMapper**

Website: [www.webbased.co.uk](http://www.webbased.co.uk) or [www.infomapper.com](http://www.infomapper.com)

Email: [enquiries@webbased.co.uk](mailto:enquiries@webbased.co.uk), [infomapper@webbased.co.uk](mailto:infomapper@webbased.co.uk)

Data formats vector: MasterMap, UK settlements, Address Point, World Gazetteer  
Layers in any standard GIS format can be imported on request

Data formats raster: OS, aerial, world satellite images, world atlas, world DEM, world lights  
Layers in any standard GIS format can be imported on request

Conversion: No, data is built into and accessed from InfoMapper and its shared resources.

OS Data: 1:10,000, 1:50,000, Internet Street Mapper, DEM

Map functionality: Zoom, zoom to previous, zoom to extent, pan, identify, overview, mirror, stitch, fade, transparency

Save graphics: Only as hotspots in layers

Basic vector analysis: Measure distance, area, perimeter, select data by attributes (location)

Map layout elements: Template: Scale bar, north arrow, text

### **Local Studies 4.7: An Introduction to Mapping and GIS**

Website: <http://www.soft-teach.co.uk>

Email: [sales@soft-teach.co.uk](mailto:sales@soft-teach.co.uk)

Data formats raster: Jpeg, gif, bmp

OS Data: Use Map Importer to convert OS NTF

Map functionality: Set scale and create map

Basic vector analysis:	Measure distance
Print:	Title page, contents page, key, map to make A4 booklet
Export:	Bitmap
Map layout elements	Key, scale
<b>Manifold</b>	
Website:	<a href="http://www.manifold.net">www.manifold.net</a>
Email:	<a href="mailto:sales@manifold.net">sales@manifold.net</a>
Data formats vector:	shapefile, mapinfo table, NTF, dxf and more
Data formats raster:	satellite, aerial, DEM, .bmp, .ecw, .png, .gif, .jpg, .tga, .emf, .tif, GeoTiff and more
External equipment:	GPS
Map functionality:	Zoom, pan, select, overview and more
Table functionality:	Select, promote, edit and strong database facilities, SDSS, fuzzy logic, SQL
Basic vector analysis:	Buffer, overlay, intersect, union, dissolve, clip, point in polygon, measure distance, area, length, select data by attributes
Basic raster analysis:	Re-project, image processing, interpolation, 3D
Advanced analysis:	Extensions: scripting, syntax colouring, debugger, geospatial databases, business tools (districting, optimal routes, driving directions,), surface tools (surface calculator, terrain heights, interpolation), US street address geocoding, 3D view, network analysis
Export formats:	Bmp, jpg, tif, emf, gif
Installing:	Delay in receiving access code and prerequisite settings required to be installed

### Map Explorer

Website:	<a href="http://www.esriuk.com">www.esriuk.com</a>
Email:	<a href="mailto:sales@esriuk.com">sales@esriuk.com</a>
Indigenous data format:	ESRI shapefile
Data formats vector:	Shapefile, Coverage and AIB for Ordnance Survey Land-Line files
Data formats raster:	Tiff, ERDAS, BSQ, BIL and BIP, Sun Raster, BMP and Run Length-Compresses files
OS Data:	Can convert OS Landline NTF
Map functionality:	Zoom, pan, select, identify, overview, zoom to active theme, zoom to full extent, zoom to selected, zoom to grid reference
Basic vector analysis:	Select by attributes
Export:	Bitmap or enhanced metafile
Map layout elements:	Choose from templates with legend, title, copyright, scale
Obtaining:	Takes a long time to download – approximately 30 minutes on broadband. Can order on CD from ESRI too.

## Map Importer

Website: <http://www.soft-teach.co.uk>  
Email: [sales@soft-teach.co.uk](mailto:sales@soft-teach.co.uk)

Vector data: NTF Landline

Map functionality: Zoom, pan, change scale, up to 6 layers

## Maptitude

Website: [www.caliper.com](http://www.caliper.com)  
Email: [sales@caliper.com](mailto:sales@caliper.com)

Indigenous data format: .cdf and .dbf  
Data formats vector: ESRI shapefiles, MapInfo TAB files, Oracle spatial files  
Data formats raster: TIFF, JPEG, MrSID, ODBC table, ECW image, SPOT  
Conversion: If data are not in format specified above, data can be imported through additional filter.

Map functionality: Zoom, pan, select, identify, overview

Table functionality: Select, promote, zoom to, edit

Basic vector analysis: Buffer, overlay, intersect, point in polygon, measure distance, join tables, select by attributes

Basic raster analysis: Change resolution, 3D surface generation

Advanced analysis: Inbuilt: 3D analysis and network analysis

## Mapping Skills

Website: <http://www.soft-teach.co.uk>  
Email: [sales@soft-teach.co.uk](mailto:sales@soft-teach.co.uk)

Basic vector analysis: Measure distance

Print: Only student results, not maps

Map layout elements: Compass, scale, grid

## Maps Direct for Schools

Website: [www.esriuk.com](http://www.esriuk.com) or [www.maps-direct.com/schools/](http://www.maps-direct.com/schools/)  
Email: [info@esriuk.com](mailto:info@esriuk.com), [orders@esriuk.com](mailto:orders@esriuk.com), [schools@maps-direct.com](mailto:schools@maps-direct.com)

Data formats raster: OS Master Map and 1:50,000  
OS data: OS Master Map and 1:50,000

Map functionality: Zoom, pan, identify, previous view, zoom to scale, zoom to compass

Basic vector analysis: Buffers, measure distance, select data (places) by attributes

Map layout elements: Title and printer friendly with OS licence

## Mapshore: Map Skills Plus and Exploring Today's Britain

Website: [www.pebbleshore.co.uk](http://www.pebbleshore.co.uk)  
Email: [pebbleshore@btinternet.com](mailto:pebbleshore@btinternet.com)

Indigenous data format: Mapshore Boundary File (BDY), Cartographic File (.CAR), Datafile (.BNA), Raster (.RAS)

Data formats vector:	MapInfo, Shapefile, csv, landline
Data formats raster:	OS 1:10,000, bmp, tif
OS data:	1:10,000, Landline
Map functionality:	Zoom, select, overview, thematic map, graduated, grid
Basic vector analysis:	Buffer, point in polygon, measure distance, summary stats, frequency distribution, scatter plots
Export:	Pcx (paintbrush), wmf

### **Memory Map OS Explorer Snowdonia 1:25,000**

Website:	<a href="http://www.memory-map.co.uk">www.memory-map.co.uk</a>
Email:	<a href="mailto:sales@memory-map.co.uk">sales@memory-map.co.uk</a>
Import Data:	Only with Navigator version
Indigenous data format:	Quickchart – raster, MMO – vector overlay
Data formats vector:	Shapefiles with the Pro version, csv, MXF, RXF, TXF
Data formats raster:	Maptech formats, BSB, NOS/GEO, GeoTiff, Tiff/TFW, aerial, OS 1:25, GB Road Atlas, World maps
OS Data:	1:25,000
External equipment:	Program and retrieve GPS routes, marks, track-logs, Plot real time GPS position
Map functionality:	Zoom, pan, synchronised view, merge
Table functionality:	Route details
Basic vector analysis:	Measure distance
Export:	BMP if permitted
Map layout elements:	Grids, margins, labels

### **MultiMap**

Website:	<a href="http://www.multimap.com">http://www.multimap.com</a>
Email:	<a href="mailto:info@multimap.com">info@multimap.com</a>
Included Data:	Aerial photos, GB, Europe, Australia, US street level maps
Map functionality:	Zoom, pan, overview, search for location
Map layout elements:	Automatic scale only

### **Our School Aerial**

Website:	<a href="http://www.wgoose.co.uk/">http://www.wgoose.co.uk/</a>
Email:	<a href="mailto:lynette@wgoose.co.uk">lynette@wgoose.co.uk</a>
Included Data:	Aerial (Millennium Map), Landline
OS Data:	Landline
Map functionality:	Zoom, pan, grid, thematic map
Table functionality:	Gives attributes of objects, Insert new fields
Basic vector analysis:	Measure distance, area, perimeter
Export:	Emf, wmf, bmp
Map layout elements:	Scale bar, north arrow, title

**Streetmap**

Website: <http://www.streetmap.co.uk>

Email: [streetfeedback@btex.co.uk](mailto:streetfeedback@btex.co.uk)

Included Data: Bartholomew and OS – GB street and road map

Map functionality: Zoom, pan, search for location

**Tracklogs 1:50,000**

Website: [www.tracklogs.co.uk](http://www.tracklogs.co.uk)

Email: [support@tracklogs.co.uk](mailto:support@tracklogs.co.uk)

Included data: OS 1:50,000 LandRanger or Explorer

OS Data: OS 1:50,000 LandRanger or Explorer

External equipment: GPS

Map functionality: Zoom, pan, overview

Basic vector analysis: Route planning, measure distance

Basic raster analysis: 3D

Education Department  
Embedding GIS in Schools project  
2004-5