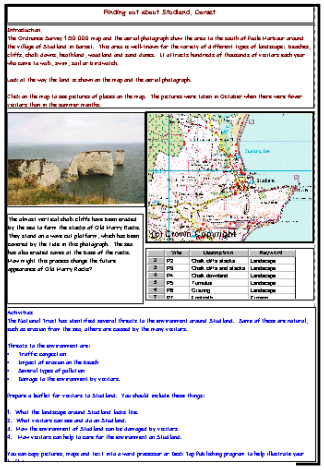
AEGIS 3 and the Pilot Geography GCSE



AEGIS 3 Studland worksheet

AEGIS 3 is a GIS program specifically designed for schools

Its flexible and innovative structure allows students to explore and investigate maps, data and photographs by means of interactive A4 worksheets on the screen.

Teachers and students can use the example worksheets that come with the program and develop others based on primary or secondary data. AEGIS has facilities to insert different types of digital maps and aerial photographs, data from fieldwork or from other sources, such as census data from the web, and photos and notes for places on the map. These may all be set up for students on a 'page' containing activities or enquiries that use GIS techniques.

AEGIS 3 runs in a web page if required and can be part of a complete unit of work on the school's intranet.

Option 2: Geographical Information Systems

AEGIS 3 may be used for a local fieldwork GIS project or a regional/national scale GIS study using primary or secondary data**.** See examples in the AEGIS package, on the Advisory Unit's AEGIS pages and in Teaching Geography (January 2003, Vol 28, No.1).

AEGIS 3 includes these functions to support the GIS option unit:

- **Data collection:** Collect and enter data via spreadsheets (primary and secondary data) and from digital sources such as data loggers, GPS and the internet; insert digital photographs.
- **Map types**: Insert large and small scale raster and vector maps in a variety of formats (e.g. OS Land-Line, Shapefiles and Goad plans including local and web-based ECW maps.
- **Graphing and mapping techniques**: geo-referencing, zooming, panning, measuring.
  Shaded areas: choropleth (statistical) and thematic (land use) mapping,
  Linear data: flow lines of traffic and people.
  Point data: proportional circles, proportional pie charts, bar charts.
- **Search techniques:** use the comprehensive search functions to select which information to display.

AEGIS 3 has a role in other core and optional units, for example:

My place - Living in the UK today

- Representing people's perceptions of their own place/community from fieldwork on local preferences.
- Mapping statistical data from the National Statistics web site on a map of the UK.

People as consumers – The impact of our decisions

- Explore a consumer landscape, e.g. a regional or local shopping centre, using **Goad Town Plans** and data.
- Map local 'food deserts'.

Option 4: Travel and tourism destinations

- Investigate two different travel destinations.

Option 5: Planning where we live

- Explore a local development planning issue.

Option 6: Urban transport

- Investigate location of accidents on a local map.
- Plot environmental data in congested urban areas.

Option 7: Investigating geography through fieldwork

AEGIS 3 is an ideal GIS to use for fieldwork projects.

AEGIS 3 won a Highly Commended GA Award 2003

See the Advisory Unit's web site for more details, updates, downloads, courses, events, purchase information and a free AEGIS 3 Viewer

www.advisory-unit.org.uk

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Computers in Education