

Integrating GIS into the Geography Curriculum

AGTA 2006

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Overview

- Online GIS
- Junior Secondary – Spring Hill
- Senior Secondary – Brisbane River

Logging in

- Username: agta
- Password: conference

- All of our work is in H: drive
- Open ermapper (an extension for ArcView) and click next, next, next.....

Online GIS

- Great introduction to the theory behind GIS without overwhelming your students (or you!).
- All that is required is a web browser and internet access – obviously broadband is preferred but not necessary.
- See (and please copy) the Online GIS powerpoint presentation in H: drive under 'Mick Law'.

Spring Hill – Unit Overview

- Junior Secondary (QLD Year 9) and part of our Geography course.
- The unit examines the inner suburb of Spring Hill in detail.
- At its completion, students need to write a letter responding to a question from a friend – is Spring Hill a good place to live?
- Students gather basic data on landuse and the availability of government services in their suburb by hand, then map that data using ArcView.

Spring Hill

- The exercise makes up 1-2 weeks of a 4 week unit.
- The goals of the exercise are to build on the theory/skills covered in year 8 and to introduce students to ArcView, in particular, the view window.
- Easily adaptable unit, all that is required is an aerial photo of the target area with reasonable resolution.

Brisbane River – Unit Overview

- Senior Secondary (QLD Year 11) – Managing Catchments core unit.
- The unit asks students to analyse various pieces of data relating to population and drainage in SEQ to decide on the location of a new dam.
- Students justify their decision in a 'mini-report'.

Brisbane River

- In terms of our GIS program, this unit builds on the skills covered up to this point.
- Students are making real life decisions that are relevant to them- SEQ water crisis and water restrictions.