

Victorian Curriculum: Reference to **Spatial Technologies**

Rationale and Aims

They conduct fieldwork, map and interpret data and spatial distributions, and use **spatial technologies**.

<http://victoriancurriculum.vcaa.vic.edu.au/the-humanities/geography/introduction/rationale-and-aims>

Glossary

Geographic information system (GIS): A geographic information system (GIS) is a system for storing, managing, analysing and portraying spatial data. It has been described as a combination of database management, cartography and statistical analysis.

Satellite image: Digital images captured by satellites above the Earth's surface, for example, those combined in Google Earth. They can be processed to measure specific aspects of the land surface, for example, areas of water or cropland.

Spatial technologies: Any software or hardware that interacts with real world locations. The use of spatial technologies forms the basis of many geographers' work practice. The Global Positioning System (GPS), Google Earth, geographic information systems (GIS) and satellite images are the most commonly used spatial technologies to visualise, manipulate, analyse, display and record spatial data.

<http://victoriancurriculum.vcaa.vic.edu.au/the-humanities/geography/introduction/resources>

Geographical Concepts and Skills: Data and information

Levels 7 and 8

Select and represent data and information in different forms, including by constructing appropriate maps at different scales that conform to cartographic conventions, using digital and **spatial technologies** as appropriate

Analyse maps and other geographical data and information using digital and **spatial technologies** as appropriate, to develop identifications, descriptions, explanations and conclusions that use geographical terminology

Levels 9 and 10

Select, organise and represent data and information in different forms, including by constructing special purpose maps that conform to cartographic conventions, using digital and **spatial technologies** as appropriate

Analyse and evaluate data, maps and other geographical information using digital and **spatial technologies** and Geographical Information Systems as appropriate, to develop identifications, descriptions, explanations and conclusions that use geographical terminology

<http://victoriancurriculum.vcaa.vic.edu.au/the-humanities/geography/introduction/scope-and-sequence>

Achievement Standard

Levels 7 and 8

They use digital and **spatial technologies** to represent and analyse data and information.

Levels 9 and 10

They analyse and evaluate geographical data, maps and information using digital and **spatial technologies** and **Geographical Information Systems** as appropriate to develop identifications, descriptions, explanations and conclusions that use geographical terminology.

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