

Dr Susan Bliss
GeoWorld 7–10, Macmillan



A PICTURE IS WORTH A
THOUSAND WORDS.

PictureQuotes.com

Image <http://img.picturequotes.com/2/5/4317/a-picture-is-worth-a-thousand-words-quote-1.jpg>

GEOGRAPHICAL TOOLS VISUAL REPRESENTATIONS

- Students live in a world of visual images- TV, video games, advertisements, photographs.
- 90% of information that comes to brain is **VISUAL**
- 80% of people are visual learners
- visual information is 6,000 x faster to process and easier to understand, remember and recall
- **Current educational research:**
 - 'expanded Visual Literacy (Representations) to match reality of today'
 - 'VL is overtaking print and text'
 - 'Geography textbooks lacking VL are not addressing 21st century education.... should average 50% of content on double page.'
- **Infographics, satellite images, 3D diagrams, interactive websites, Web 2.0 tools**



Image <https://s-media-cache-ak0.pinimg.com/originals/71/6c/ea/716cea5860454587393652413fe37267.jpg>

GEOGRAPHICAL TOOLS-VL

A picture is worth

CURRICULUM
VISUAL REPRESENTATIONS

End of Year 6 (ACARA)

- 'explain how analytical images such as figures, diagrams, tables, maps and graphs contribute to understanding of factual information in texts'

- End of Year 8 (ACARA)

- 'analyse the effects of different visual elements upon the reader/viewer, and how visual texts such as advertisements and informative texts draw on other texts to enhance meaning'

Image: http://vanuscreations.com/wp-content/uploads/2013/11/a_picture_is_worth_1000_words_by_refrigeratorbingo-d465awb-785x490.jpg

- visual representation of geographical data
- useful tools to represent geographical information in a compact way
- thousands on geography topics on web
- diagram or chart can display/replace large amounts of written data (heavy text for poorer students)
- different styles and visualisations maps, graphs, tables, cartoons, photos
- Students in primary school are designing infographics
- Textbooks must keep up to date with current educational research



Images: <https://www.dreamstime.com/photos-images/infographics-design-template.html>

Infographics



In the classroom

BENEFITS OF USING INFOGRAPHICS IN CLASS

We are inclined to "snackable" content-
Twitter, vines, snapchats, haikus,
memes.

Infographics combine images, colours, movement, and present content that catches our attention.

Using infographics allows students to broadly scan information before reading material in more detail.

Refer to Google Images for inspiration

Image: <http://3.bp.blogspot.com/-nhnlgBQ5dVA/VjKYStafnBI/AAAAAAAAAESg/twKML7m0j2A/s1600/Slide1.jpg>

Using infographics in classroom

Create infographics using information, visual and technology literacies
Infographics as a creative assessment

<http://www.schrockguide.net/infographics-as-an-assessment.html>

Create your own infographic

<https://magic.pktochart.com/output/4566561-creating-infographics>

Turn infographics into effective teaching tools

<http://www.scribblelive.com/blog/2013/09/25/how-to-turn-infographics-into-effective-teaching-tools/>

Easy to use

<https://pktochart.com/>

<http://commons.gd.msu.edu/index.php>

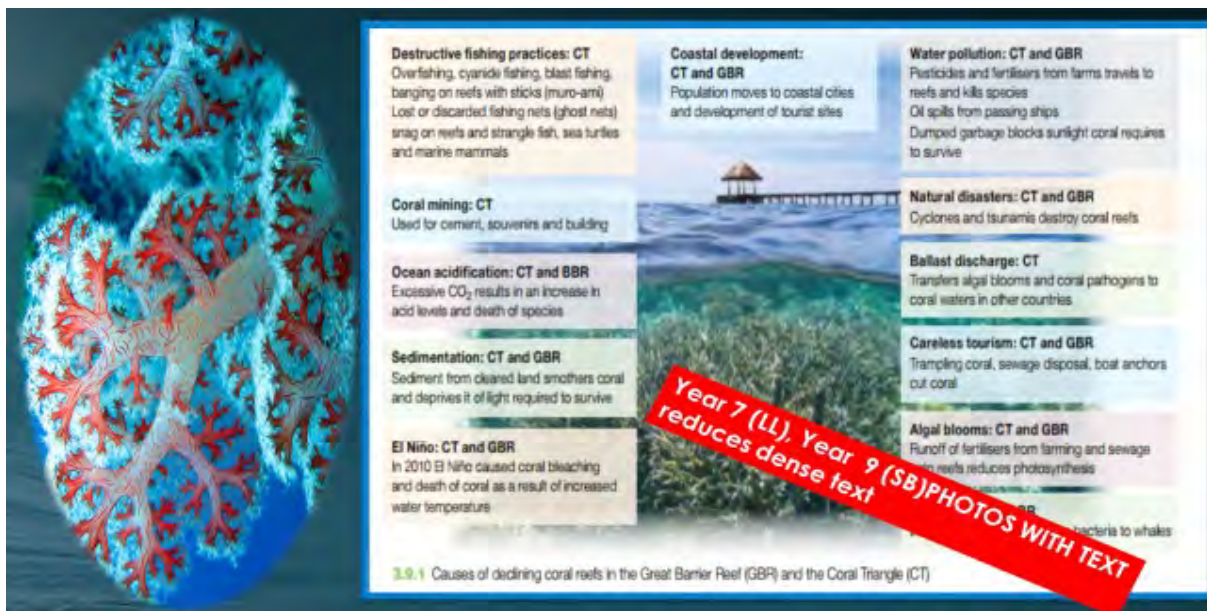
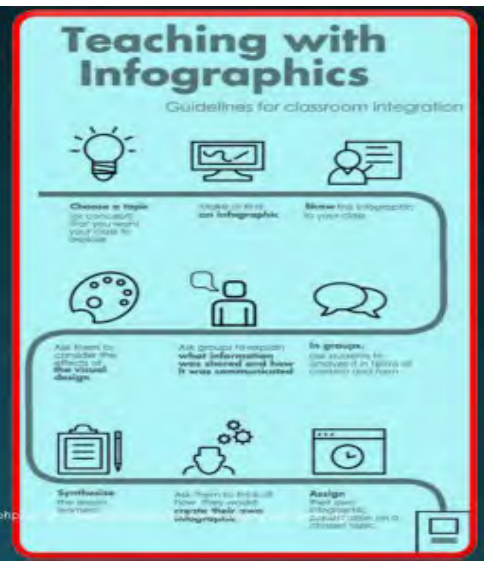


Image: GeoWorld 7-10, Macmillan

VISUAL LITERACY: DIFFERENT DIAGRAMS



Image: GeoWorld 7-10, Macmillan

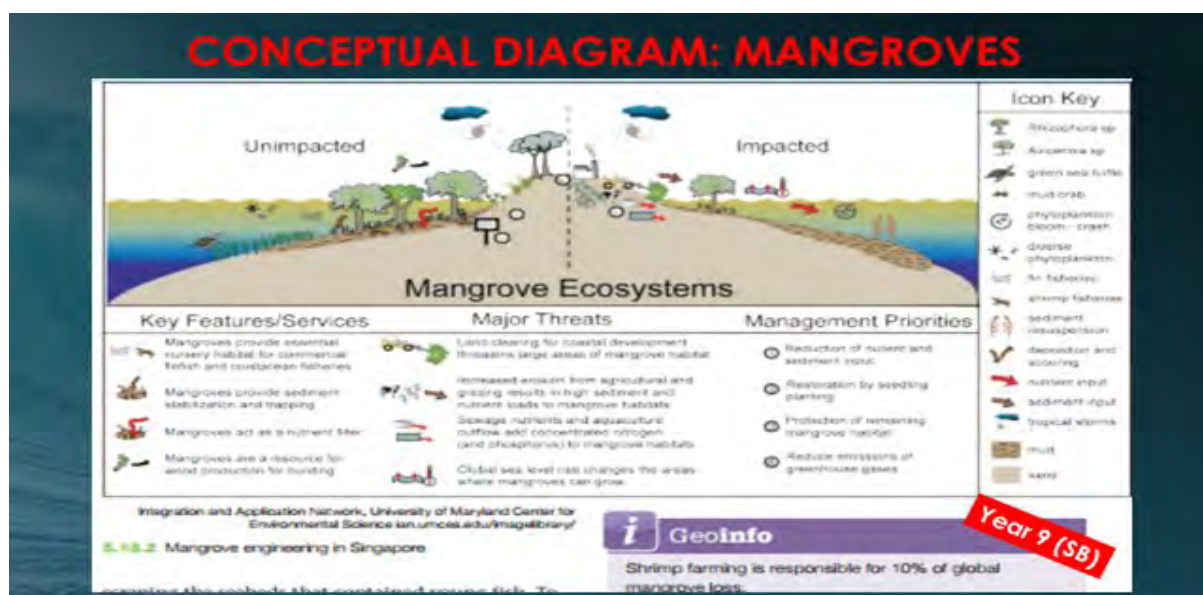


Image: GeoWorld 7-10, Macmillan

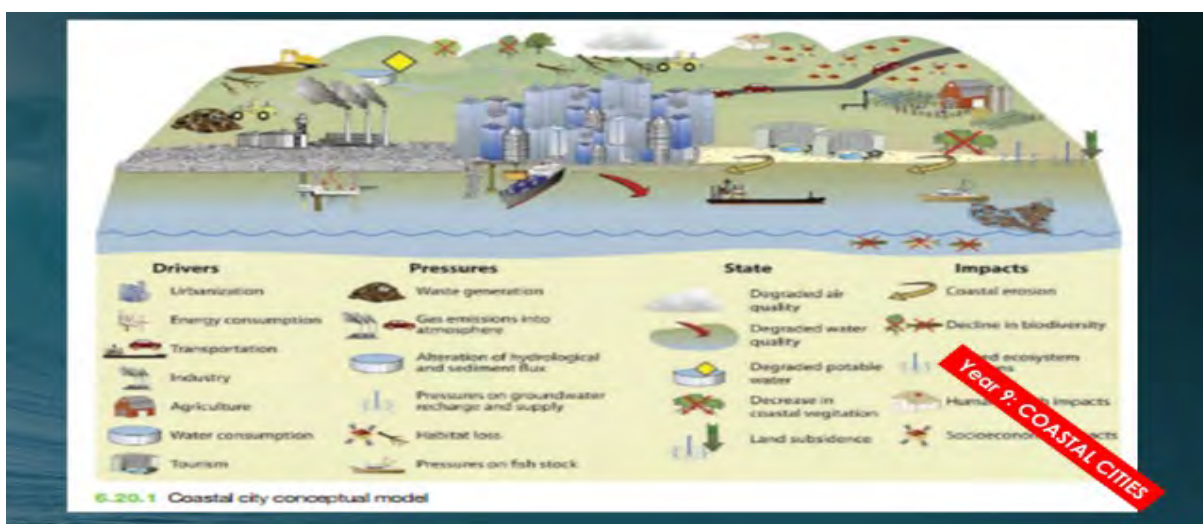


Image: GeoWorld 7-10, Macmillan

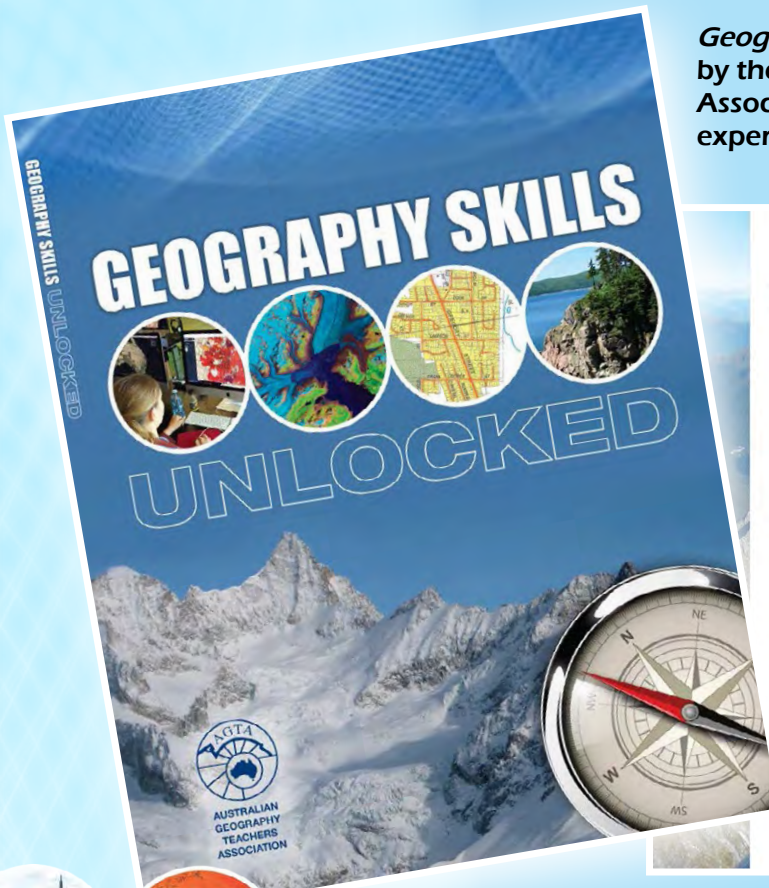


Image: <https://petapixel.com/assets/uploads/2014/10/Screen-Shot-2014-10-08-at-12.50.22-PM.jpg>

AGTA ANNOUNCES AN ESSENTIAL NEW GEOGRAPHY RESOURCE

Geography Skills Unlocked is an exciting new skills book for Australian secondary schools

Geography Skills Unlocked is published by the Australian Geography Teachers Association and written by a team of experienced Geography teachers.



Contents

Prologue

1 Inquiring, questioning, investigating

Inquiring
Investigating in geography
What kinds of inquiries do geographers make?
The links between inquiry and skills

2 Geographic inquiry – the stages

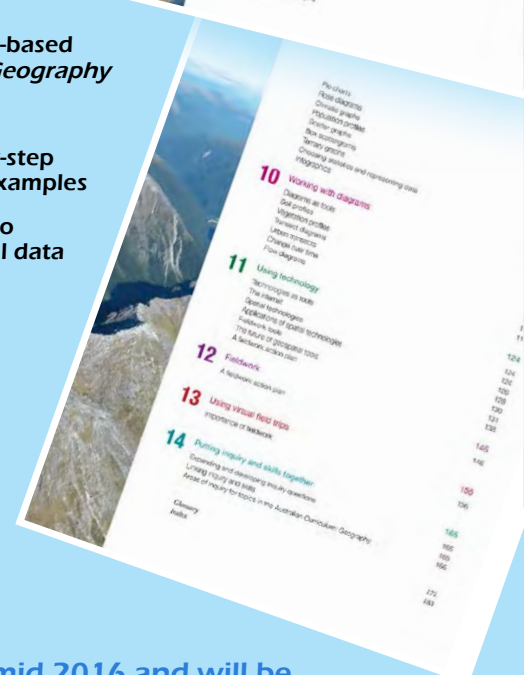
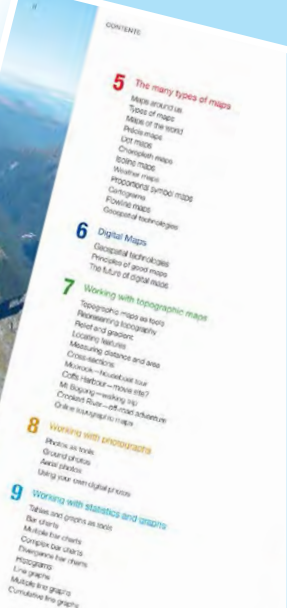
Observing, questioning and planning
Collecting, recording, evaluating and representing
Interpreting, analysing and concluding
Communicating
Reflecting and responding
Organising data in an inquiry
Mind mapping
Concept diagrams

3 Thinking Skills

A list of thinking skills
A classification of skills
A hierarchy of thinking skills
Creative thinking
Future thinking
Thinking skills in inquiry

4 The elements of maps

Map symbols
Direction and bearings
Scale
Distance
Locating features with grid coordinates
Latitude and longitude
Time zones



KEY FEATURES:

- ➔ Contents aligned to the inquiry and skills-based requirements of *Australian Curriculum: Geography*
- ➔ An engaging, easy to navigate design
- ➔ A student friendly approach with step-by-step explanations, descriptions and worked examples
- ➔ A focus on emerging technologies used to gather, analyse and present geographical data
- ➔ *GeoSkills* and *GeoInquiry* activities that scaffold student learning
- ➔ A wealth of stimulus material including a diverse range of maps, graphs, aerial photographs, satellite images, diagrams and photographs
- ➔ Examples drawn from each Australian state and territory with additional international material
- ➔ Key terms explained in embedded glossary boxes

Geography Skills Unlocked will be published mid 2016 and will be available for purchase via the AGTA website: www.agta.asn.au/Products