

# New GTAV Resource

## Geospatial Skills Activity Book Level 5

Use the Geospatial Skills Activity Book for special one-off activities, end-of-unit tasks or as short homework exercises.

### Skills include:

- Map legend and symbols
- Compass/direction
- Interpret satellite images and photos
- Contour lines and patterns
- Latitude / longitude
- Grid references
- Sketching from photos
- Drawing / interpreting graphs
- Interpret graph /statistics
- Cross sections
- Draw /annotate maps and diagrams
- Read/interpret maps

### Spatial concepts covered:

- Location
- Distance
- Distribution
- Scale
- Movement
- Change over time



Geospatial Skills Activity 16

Name: \_\_\_\_\_ Date: \_\_\_\_\_  
Class: \_\_\_\_\_

### Rattle Rattle

Have you ever felt the Earth move? Although Australia does not have many large earthquakes, you might be surprised at how many actually occur. We are lucky that most are small and occur in remote areas. Do you know that there is a station in Western Australia that, in February 2010, recorded over 100 earthquakes?

1. Use the data in the table to map the locations of some Australian earthquakes. Mark these with a small dot and neatly write the location. (Draw a legend to show the magnitude of each of the earthquakes. Finish your map with a 500 000 000 scale.)

| Date    | Magnitude | Latitude | Longitude | Location           |
|---------|-----------|----------|-----------|--------------------|
| 6/2/10  | 2.7       | 29.422   | 145.610   | NE of Bourke, NSW  |
| 2/2/10  | 2.0       | 20.277   | 117.704   | NE of Beaufort, WA |
| 2/2/10  | 2.2       | 21.423   | 148.040   | SW of Jerramee VIC |
| 18/2/10 | 2.1       | 21.820   | 138.741   | E of Wiluna, WA    |
| 18/2/10 | 2.0       | 21.212   | 138.884   | E of Wiluna, WA    |
| 1/2/10  | 2.6       | 21.590   | 118.840   | SW of Derby, WA    |
| 6/2/10  | 2.0       | 28.991   | 146.039   | East of Mt. MC     |
| 6/2/10  | 2.6       | 20.210   | 117.707   | NE of Beaufort, WA |
| 6/2/10  | 2.6       | 21.400   | 147.983   | E of Jerramee, VIC |
| 12/2/10 | 2.0       | 20.714   | 117.799   | E of Beaufort, WA  |

Source: Adapted from Geoscience Australia (http://www.ga.gov.au/geoscience/earthquake)

2. Study your completed map. Where did earthquakes occur in Australia in early 2010?

3. Compare your map with the map showing the earthquake risk for Australia. Describe any similarities between the two maps.

4. Which locations in Australia have a high risk of earthquake but did not suffer any in early 2010?

5. Which state capital cities are most at risk of earthquakes?

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Learning about geospatial skills is fundamental to Geography. A new resource by the GTAV enhances this learning in a creative and interesting way.

This 72-page activity book complements the skills being taught in the classroom by providing students with interesting and fun activities where they apply the Geoskills learnt. Your students will refer to topics such as earthquakes, bushfires, national parks, bird and butterfly migration, golf courses, Antarctica, shark and crocodile attacks, surf lifesaving and riding down the Grand Canyon on a mule! All the while, they are further developing their Geography skills.

The tear-out, double-page sheets are self-contained and refer to black-and-white data as well as 16 pages of colour data in the centre of the book. The data range from topographic maps, satellite images, street directory map, photographs, maps, graphs, diagrams and tables.

Useful for Geography and Humanities classes.

# Geospatial Skills Activity Book

## Level 5

ISBN: 978-1-876703-15-8

### Activity Titles

The activities in this resource are based on the following topics at a variety of scales — local, regional, national and global:

- **Deserts**
- **Antarctica**
- **Natural hazards**
- **Coasts**
- **Endangered habitats**
- **Weather**
- **Bushfires**
- **Local environments**
- **Rivers**
- **Urban Environments**
- **Drought**
- **Forests**
- **Recreation**

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| 3. On the Run                    | 51. Priscilla, queen of the desert       |
| 5. Mapping Marvin's Moves        | 53. Hazards of Oz                        |
| 7. Hole in One                   | 55. Swim for your life!                  |
| 9. Location, location, location! | 57. Mapped out!                          |
| 11. Rattle Rattle                | 59. Glow in the sky                      |
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| 15. The secret life of Monarchs  | 63. Postcard from Antarctica             |
| 17. Up, Up and Away              | 65. Signs and symbols                    |
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| 25. With a pack on my back       | 73. To Come                              |
| 27. The ride of your life!       | 75. Glossary                             |
| 29. Colour data pages            | 77. Acknowledgements and credits         |

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| <p><b>Name of Organisation:</b> _____</p> <hr/> <p><b>Contact Person:</b> _____</p> <p><b>Email:</b> _____</p> <p><b>Postal address:</b> _____</p> <hr/> <p><b>Postcode:</b> _____</p> <p><b>Phone:</b> _____</p> <p><b>Fax:</b> _____</p> <p>When this order is completed and paid, it will constitute an invoice for GST purposes. Please keep a copy for your records. All prices quoted includes GST.</p> <p>Please return this form to: GTAV<br/>         PO Box 2066, Camberwell West, Vic. 3124<br/>         Phone: 9824 8355 Fax: 9824 8295<br/>         Email: office@gtav.asn.au</p> | <p style="text-align: center;"><b>Geospatial Skills Activity Book Level 5</b></p> <p><b>Please supply _____ copies @ \$14.95 each</b></p> <p><b>Plus postage (tba) Bulk postage rates apply</b></p> <p><b>School Order #</b> _____</p> <p><input type="checkbox"/> <b>Cheque payment of \$</b> _____</p> <p><input type="checkbox"/> <b>EFT date</b> ___ / ___ / ___</p> <p><b>Credit Card:</b> <input type="checkbox"/> <b>Master Card</b> or <input type="checkbox"/> <b>Visa</b></p> <p><b>Credit Card Number</b></p> <p>_____ / _____ / _____</p> <p><b>Expiry Date:</b> _____ / _____</p> <p><b>Name of Card Holder</b> _____</p> <p><b>Signature</b> _____</p> <p><b>Email of card holder</b> _____</p> |
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