

Utilising Assistive Technology in O&M

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Assistive Technology for Mobility



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Mini Guide

- For further information on the Mini Guide:
- http://www.gdp-research.com.au/minig_1.htm
- (Or google 'mini guide')

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Assistive Technology For Orientation

- Concept Development
- Wayfinding
- Navigation
- Points of interest
- Destination travel
- Routes
- GPS

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Concept Development



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Concept Development

- <http://www.pathstoliteracy.org/blog/orientation-mobility-apps>



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3D Printing

- <http://geothermalresourcescouncil.blogspot.com.au/2016/10/australia-3d-map-geothermal.html>



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Wayfinding Technology



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Navigation

- Use iPads to explore and plan routes – either with VoiceOver, or by utilising the range of mapping options.
- Encourage students to understand the **concepts** of maps, and how to use them to travel effectively.



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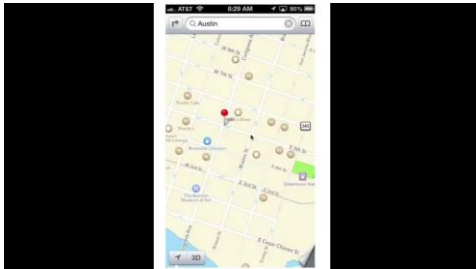
Navigation

- Using VoiceOver with maps:
<http://iphone.skydocu.com/en/accessibility/voiceover/use-voiceover-with-maps/>

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Points of Interest



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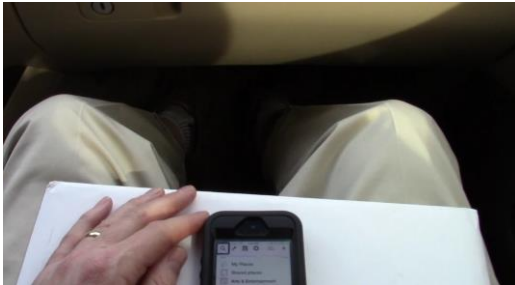
BlindSquare

- BlindSquare is the most popular GPS app developed for people who are blind or have low vision.
- <http://blindsquare.com/>

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BlindSquare



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Neatebox

- Neatebox is a start-up based in the UK, which we hope will make it to Australia one day!
- Founded by a Guide Dog Mobility Instructor, the 'Button' app in particular has a lot to offer for independent road crossing.
- <https://neatebox.com/>

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Neatebox



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The Role of the Educator

- Support the development of independent O&M skills and techniques from a young age.
- Recognise the importance of **concept development** for the future use of Assistive Technology related to O&M.
- Teach and encourage students to become proficient in the use of smart phones and tablet devices.

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Resources

- <https://www.teachingvisuallyimpaired.com/assistive-tech.html>
- <http://www.ridbc.org.au/ATframework>
- <http://www.perkinselearning.org/topics/assistive-technology>

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