Dash4cache
-Digital Citizenship

Teaching notes

This resource investigates the use of QR codes in practice. Students design a scavenger hunt utilising the features of cached websites. The video clip 'U2 can be a Geocacher' has a short explanation of Geocaching (20 minutes). It is useful to review the copyright issues associated with this video. Use *Task 2* in the resource File Sharing to offer a critique of the background music in this context.

Explore

Students examine an online Cache activity and a classroom example of using QR codes. In addition, read these examples in English | HSIE | Geography | PDHPE | Mathematics. Consider printing the geocachers' creed for students to discuss. View these YouTube videos - The First Geocache and What is Geocaching? Consider the various geocaching mobile apps available.

Your tasks

Task 1 – Geolocation terms
Students read and view video material about the terms *Cache, GPS, QR codes* and *Geocaching*. There are two quizzes to complete. Discuss the 'staying safe' sections. Read more at QR codes in education. Look at http://qrpedia.org/ and view QuickMark for PC (YouTube video).

Task 2 – Construct a geolocation QR code quest
Students use the myDash template and a QR code generator to design a mission following explicit steps. It is suggested that clues be taped to a plastic sleeve or envelope, but the caches could be of any appropriate nature. Schools could connect and share their missions within their community or via their blog posts.

Task 3 – Complete and evaluate a mission
Students complete one other mission (suggested time = 30 minutes) and use OneNote to record their mission activities. A video podcast or other method could also capture this information. Further ideas to prompt the ***reflection question*** include:

- A school history tour
- Mathematics problems that solve the coordinates to the net clue
- KLA quiz questions at each point
- A collection of six items / letters / images that when placed together solve a puzzle

Students could ***take it further*** by creating a different type of QR-code treasure hunt or making their own online quest similar to the one they found in the *Explore* section.

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How to use this resource

This resource, *Dash4cache*, is designed to support the Digital Education Revolution – NSW (DER-NSW) program and has a specific orientation towards teaching *Digital Citizenship*. The resources and tasks are aimed at supporting student use of the DER-NSW laptops in both online and offline classroom environments.

If you have difficulty viewing this resource on the DER-NSW laptop screens you can switch your web browser to full screen mode. With your web browser open press F11 to switch between normal and full screen mode.

For more detailed support on how to use the DER-NSW laptop software referred to in this resource please visit the TaLe Tools+ site.

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