



OresomeResources provides free educational resources and teacher professional development to assist the teaching and learning of minerals and energy.

Committed to introducing new channels for free educational resources, Queensland Resources Council (Queensland Resources Council is a not-for-profit industry association representing the commercial developers of Queensland's minerals and energy resources) contacted Intunity to implement their first iPad application to provide an interactive and fun experience to learning the Periodic Table for secondary school students.

Background

OresomeResources is a collaborative educational initiative supported by the minerals and energy industry in Australia. The collaboration has developed or sourced hundreds of educational resources. These resources can be accessed on-line by all interested web users at no cost for educational purposes only. The resources are aligned to the Australian curriculum and can be utilised to support its implementation. They have been developed by teachers for teachers to provide syllabus support to the key learning areas of Science, Maths, Technology and the Social Sciences.

Business Challenge

Mobile devices particularly tablet computers are being used as a supplementing tool to the PC within secondary school classrooms. With a long term goal of providing quality educational content to a range of technology channels, OresomeResources wanted to take

OresomeElements



OresomeElements [LINK](#)

Awards



2011 'Education and Family' Mobile Awards Finalist

advantage of the increased presence of mobile devices in the classroom and develop an application for teachers and students to use that would be fun, engaging, interactive and provide pedagogical value to the end user.

In selecting the candidate application concept and mobile device platform to base their first mobile application, OresomeResources considered a number of factors. These included:

- The relevance of the key learning concepts and alignment with the secondary syllabus
- The number of devices already being used and deployed in secondary school classrooms
- The ease of application deployment on the devices so that the application could be used at school and also on home devices
- The speed and budget at which a feature rich application could be built and deployed
- Intunity developed early concepts and these were demonstrated to Education Services Australia for endorsement.

Solution

After careful consideration of the application concepts developed by Intunity, OresomeResources selected 'OresomeElements' interactive periodic table to be built for the iPad device. OresomeElements features multiple levels of difficulty to challenge early and advanced science students in Secondary School. The aim of the application is for a user to tap 'floating elements' and draw a path to their correct position in the periodic table. It provides an alternative to rote learning of the elements and periodic table as it allows the user to interact and identify an element alongside some properties and their uses. OresomeElements is addictive fun. There is also a leader board so that you can test your knowledge and precision against the clock.

Benefits

OresomeElements has allowed OresomeResources to continue the goal of implementing quality educational content to a wide range of channels (including mobile devices) for teachers and students to use. Teachers and students are now able to quickly and easily add OresomeElements as an interactive activity to be conducted in and out of the classroom and learn more about elements and the periodic table with a sense of fun, challenge and cool.

OresomeResources is proudly supported by the Queensland Resources Council, Chamber of Minerals and Energy of Western Australia, Minerals Council of Australia (MCA), MCA Victoria Division, MCA Northern Territory Division, NSW Minerals Council, South Australian Chamber of Mines and Energy, Tasmanian Minerals Council, Australian Coal Association and Australian Uranium Association.

Specifications

- iOS platform
- iPad/Tablet computers
- Agile Scrum development process
- Full customisation via Core Graphics

About Intunity

Intunity is an Agile Software Development Company. We use Agile methods and practices to deliver quality Enterprise and Mobile solutions for our clients that are timely and relevant.

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