Case Studies: Use of mobile technology in Education

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Course Delivery Using Mobile Devices
Mobile Course Delivery

• Study was directed to over 500 students in 3 different computer science courses (all are completely online and distance delivery)
• Students were asked to complete a unit of study using a mobile device then complete a survey
• Many students completed one or more units
# What Activities Should Mobile Devices Support

<table>
<thead>
<tr>
<th>Activity</th>
<th>Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>Access to Online Assignments</td>
<td>17</td>
</tr>
<tr>
<td>Login to courses and study materials</td>
<td>15</td>
</tr>
<tr>
<td>Peer-to-peer interaction</td>
<td>12</td>
</tr>
<tr>
<td>Course Forums</td>
<td>12</td>
</tr>
<tr>
<td>Access to Quizzes</td>
<td>12</td>
</tr>
<tr>
<td>Access to Helpdesk</td>
<td>11</td>
</tr>
</tbody>
</table>
English as a Second Language (ESL)
and appropriate sentences. The vocabulary for this course is from workplace situations. This practical and useful vocabulary, when studied, will help to improve communication in the workplace. It is divided into eight different sections:

- Health and Wellness
- Utilities-Oil/Gas/Mining
- Retail and Sales
- Hospitality and Tourism
- Food Services and Restaurant
- Trades and Labour
- Administration and Clerical
- Banking and Personal Finance

Included in these sections are audio and video exercises, workplace vocabulary lists, and one lesson which has been translated into Chinese and French.

When you do the exercises, you will see that grammar is not just a game. Grammar has meaning - if you change some of the grammar in a sentence, you also change its meaning.
Multimedia Features - video

- **Health and Wellness video followed by interactive questions**

  **Exercise 9.2: Video Questions**
  
  Click on the icon to watch a short conversation between a medic and about an injured worker named Susan. See Appendix 14 for a transcript of this conversation.

  **Answer the following questions.**
  
  1. What is the **first** question the medic asks?
     - How are you?
     - What happened?
     - Are you allergic to anything?
     - Could I get an aspirin?
  
  2. How does the burn look?
     - not too bad
     - really bad
     - good
     - painful
Q7 The technology provides flexibility for me to learn anywhere and at anytime.
Q14 The use of this type of technology could make learning materials more easily available.
Q26 I would like to take other lessons using mobile technology.
Mobiles for lifelong learning
Use of E-reader by mature adults
Percentage in Each Age Group 55-80+

- No answer; 2%
- 80+; 10%
- 76-80; 5%
- 71-75; 12%
The Use of this Technology Increases Access to Reading Materials

Strongly Agree: 23%
Agree: 52%
Neutral: 18%
Disagree: 5%
No Answer: 2%
The E-Reader Features would be Useful When Taking a Course

- Strongly Agree: 22%
- Agree: 52%
- Neutral: 17%
- No Answer: 10%
Places Where you used the E-Reader

- Other: 14
- Travel (transit, car, plane): 20
- Library: 0
- Home/bed: 26
- Home/couch: 48
- Home/desk: 20
Workplace Learning Using Mobile Technology
Qatar Workplace
Project Details

• Project funded by the Qatar Foundation – Qatar National Research Fund

• Collaborative project with Athabasca University, Qatar University, Qatar Petroleum, Qatar Mobility Innovations Centre

• Develop training lessons for delivery on mobile technology to improve English Skills in the workplace
Because of its flexibility, mobile learning can be used to educate all age groups.