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Exploring the use of QR Codes as a Learning Technology

ALT C, 2009

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eatbath-present



jiscqr



<http://www.bath.ac.uk/lmf/download/35162>

The story ... if this was a book

How might QR Codes be used in Teaching and Learning?

Prologue: What is a QR Code

Chapter 1: QR Codes in T&L

Chapter 2: Improving the feedback loop

Chapter 3: Look no pens

Chapter 4: Connecting the physical to the virtual

Chapter 5: Mobile educational gaming

Chapter 6: Are students aware of QR Codes?



<http://www.flickr.com/photos/89509548@N00/496717386/>

My question to you ...

how do you think QR Codes (or tags) could be used in learning and teaching?

<http://blogs.bath.ac.uk/qrcode/2009/09/04/qr-codes-at-alt-c/>

Prologue: what is a QR code?

A QR Code effectively and efficiently connects the physical world and the electronic



A **QR Code** is a matrix code (or two-dimensional bar code) created by Japanese corporation Denso-Wave in 1994. The "QR" is derived from "Quick Response", as the creator intended the code to allow its contents to be decoded at high speed. QR Codes are common in Japan where they are currently the most popular type of two dimensional codes.

An ever increasing number of tasks can be achieved using a QR code. The core ones are,

- Link to web site
- Send an sms to a phone
- Transfer a phone number
- Provide more text

what is involved?

- QR Code Generator
- A task / activity which is appropriate for a small screen device

- Camera phone
- Good connectivity
- QR Code Reader
- Money



A QR Code Generator

<http://www.bath.ac.uk/barcodes>

A QR Code Reader

<http://www.tigtags.com/getqr>

The following example, illustrates scanning a QR Code, adding it to your favourites and accessing the web site:
<http://www.bath.ac.uk/lmf/download/26048>

Chapter 1: QR Codes in T&L

QR codes at Bath

QR Code and Tiny URL service blog

FAQs on QR Codes

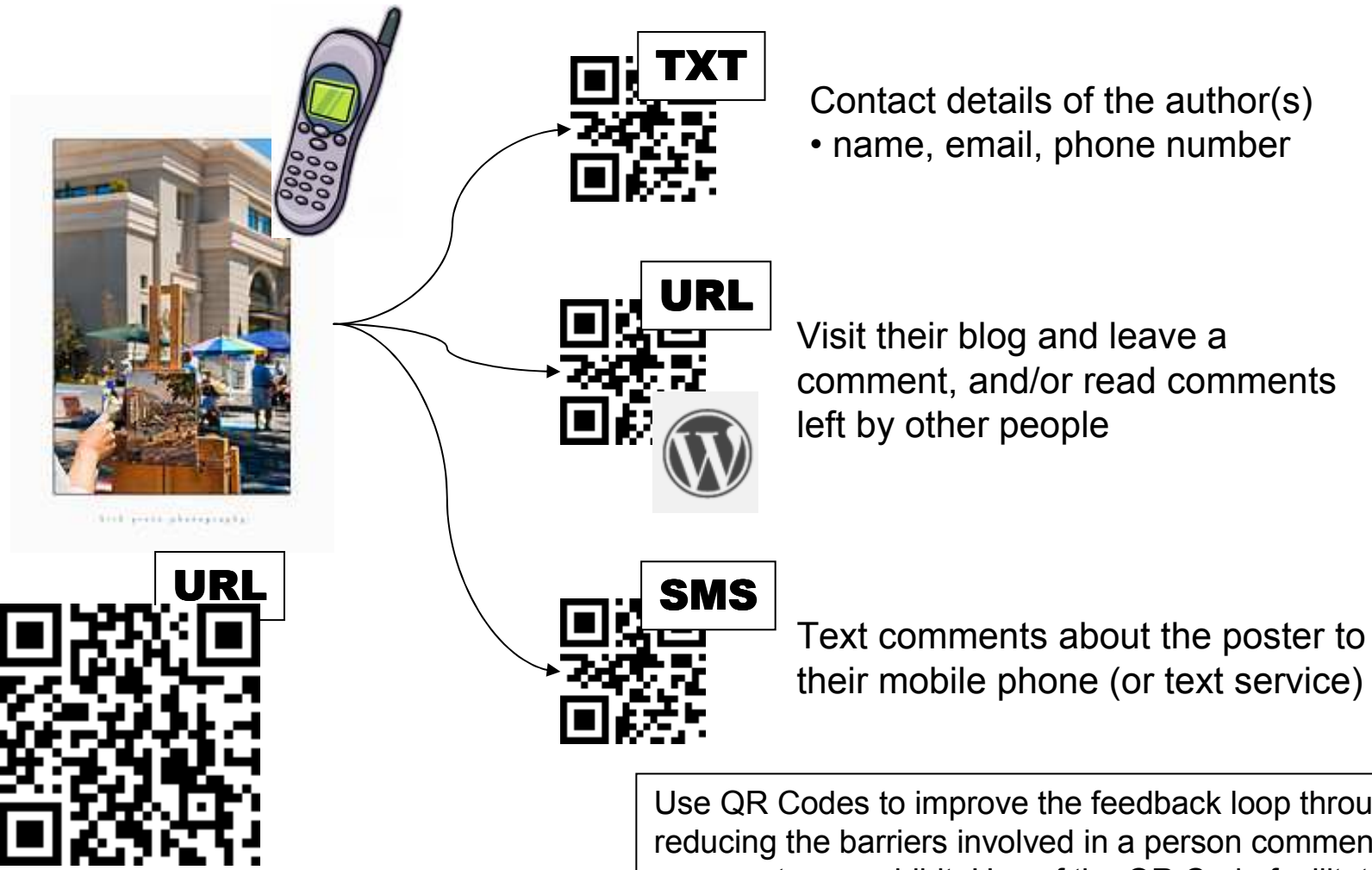
QR codes and Moodle

QR Codes in Education

Projects

	QR Codes only	QR Codes with other tools
e-Admin	<ul style="list-style-type: none">● Inclusion within web pages (bookmarking)● vCard / Office Hours	<ul style="list-style-type: none">● Subscription to a rss news feed<ul style="list-style-type: none">● Sign up for SMS news alerts using QR codes● Within library catalogue
e-Learning	<ul style="list-style-type: none">● Handbooks linking to online resources<ul style="list-style-type: none">● JIT content in lectures (links, slides etc.,)	<ul style="list-style-type: none">● Classroom formative feedback● Augmented reality gaming● Video (youtube) user guides<ul style="list-style-type: none">● Campus / Library Inductions● Appended to Moodle print outs

Chapter 2: Improving the feedback loop



<http://blogs.bath.ac.uk/casestudies>

Use QR Codes to improve the feedback loop through reducing the barriers involved in a person commenting on a poster or exhibit. Use of the QR Code facilitates the effective completion of the task on a phone.

Chapter 3 (a): Look no pens

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Shelfmark browse

Short loan offprints

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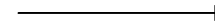
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What's this?

<http://blogs.bath.ac.uk/qrcode/2009/03/23/uni-of-bath-library-including-qr-codes-in-catalogue/>

Chapter 3 (b): rss subscription

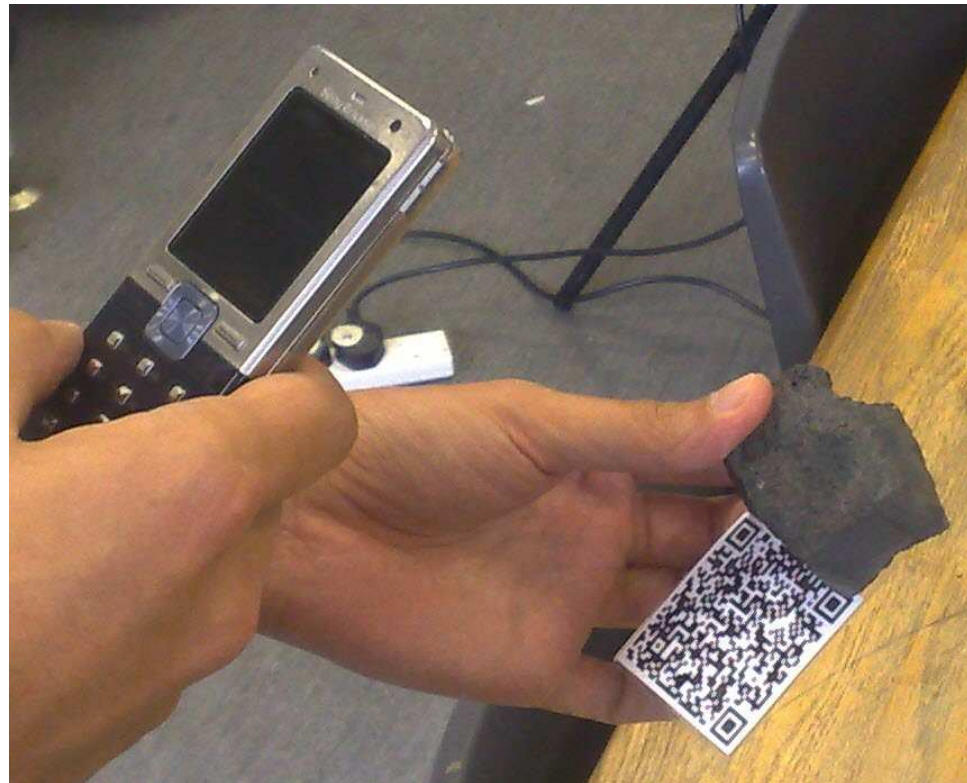


<http://www.mobile-learning.blog-city.com/>



http://www.mobile-learning.blog-city.com/read/qr_codes.rss

Chapter 4: Connecting the physical and the virtual



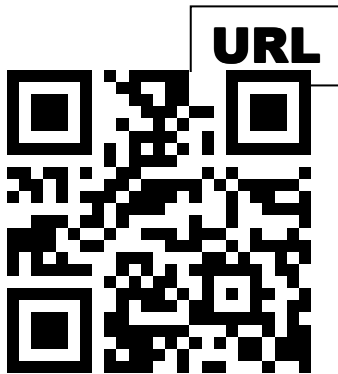
Chapter 5: Mobile educational gaming



<http://www.flickr.com/photos/jazzybam/sets/72157615487815373/>

Chapter 6: Are students aware of QR Codes?

- Do you know what a QR Code is?
 - Yes: 13.8%
 - with 95% confidence interval, then 12.34% - 15.26% of total student population are aware of QR codes.



<http://opus.bath.ac.uk/12782>

- Have you accessed a QR Code?
 - Yes: 2.2%
 - with 95% confidence interval, then 1.58% - 2.82% of total student population have accessed a QR code.
- The most common action was
 - Web site – 33 responses
 - Read more text – 28 responses
 - Phone a number – 19 responses
 - Send a pre-written SMS – 12 responses?

84% - scanned

63% - can install a reader

thank you



<http://blogs.bath.ac.uk/qrcode>

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