

QR Codes (or "Quick Response" bar codes) and Mobile Language Learning

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- ELT Calendar (www.eltcalendar.com)
- ELT Podcast (www.eltpodcast.com)
- JALT National Online Calendar (jalt.org/calendar)



QR-Code Information

- <http://www.denso-wave.com/qrcode/qrcodefeature-e.html>
- http://en.wikipedia.org/wiki/QR_Code
- <http://harper.wirelessink.com/?p=83> (article with survey info, other barcode info)

QR-Code generation software

- **QRWindow**
www.qrcode.org
Windows98/Me/2000/XP
Japanese
- **QR Code Make Free**
en.qrcodemake.com
Online
English / Japanese
- **QR-factory** (NTT Docomo)
www.nttdocomo.co.jp/english/p_s/i/make/barcode
Windows 2000/XP
English / Japanese
- **NFG Games QR Code Generator**
nfggames.com/system/qrcodegen.php
Online
English /Japanese
- **Mobile Codeatron**
www.pukupi.com/tools/codeatron
Online
English

QR-Code Capacity

QR-Code Version 10 Capacity Chart				
Redundancy Level Error Correction	Maximum Characters			
	Numeric	Alpha-Numeric	Binary	Kanji
L (7%)	652	395	271	167
M (15%)	513	311	213	131
Q (25%)	364	221	151	93
H (30%)	288	174	119	74

- nfggames.com/games/jphonegames/qrcapacity.shtm
- www.pukupi.com/tools/codeatron



This QR-Code contains the following text:

To be, or not to be: that is the question:
Whether 'tis nobler in the mind to suffer
The slings and arrows of outrageous fortune,
Or to take arms against a sea of troubles,
And by opposing end them? To die: to sleep;
No more; and by a sleep to say we end
The heart-ache and the thousand natural shocks
That flesh is heir to, 'tis a consummation
Devoutly to be wish'd. To die, to sleep;

Ideas for QR-Codes

Dictionary links

Provide students a handout with QR-Code links to Jim Breen's keitai-capable online dictionaries:



<http://web.spruce.pl/jwb-cgi/wwwjdic?1KJ>

(For English to Japanese, click **E** -> **J** on the page.)



<http://www.csse.monash.edu.au/cgi-bin/cgiwrap/jwb/wwwjdic?1KJ>

(This is the same dictionary but in a different location.)

Student attendance cards

This would be better with a barcode reader attached to a computer, I think, but still, it's an idea worth exploring. The obvious security risks would need to be mitigated as well. The mobile page could require a teacher password. It could also accept ratings for student participation, etc.

Add to mp3 files to create mobile language labs

Use an *ID3 tag editor* to add a QR-Code to an mp3 file (such as a podcast episode). The one shown during the presentation was from www.mp3tag.de but most work the same way. Usually, the picture is added by clicking on "extended tags" or "album art" or "artwork."). This QR-Code could point the student to a keitai-specific web page with some kind of quiz or activity related to the listening. Note, though, that not all students have mp3 players that can display images.

Add QR-Codes to materials

This is the same basic idea as adding them to mp3 files (above).

Phrase of the day

Post a one-point language lesson for students on your office door. Encode the text into a QR-Code for students to easily take this lesson away with them.

Display on webpages

Nearly half of my students use their keitai as their only e-mail address, and their computer use is done on public terminals (such as internet cafes and the university's "open terminal" computer rooms). Put a QR-Code on webpages:

- for students to e-mail you
- for students' carry-home content
- for the URL of the mobile version of the website