

40 Interesting Ways* to Use QR Codes in the Classroom

*and tips

This work is licensed under a Creative Commons
Attribution Noncommercial Share Alike 3.0
License.



#1 - Use a QR Code Generator

1. There are many online tools for generating QR codes which you can then use in the classroom.<http://www.qrstuff.com/>

All of these different types of information can be stored in a code:

- A short piece of text
- Website address
- Email address
- Phone number

Why not try some of these examples >>

qrcode.kaywa.com

[Bee Tagg](#)



#2 - Get a QR Code reader

Most Smartphones will have a barcode scanner as an app which will read QR codes.

For the desktop you can also install a little bit of software that will use a webcam to read the codes.

Whether children are using mobile devices or the webcam on a netbook, they will access digital resources in fewer clicks.

Mobile

- [iMatrix](#)
- [Google Goggles](#)
- [NeoReader](#)
- [BeeTagg](#)

Desktop



[QuickMark](#)

#3 - Shorten and Create a Code

Each of these URL shorteners now provide the option to create a QR code from the shortened address. The smaller the address the smaller the QR code.

goo.gl

By adding ".qr" to the end of a shortened address you will be able to access the QR code.

The QR code is also available from the "Details" link in the list of shortened addresses.

bit.ly

Once you have generated a shortened link, if you click on the "Info" page you will see details of the stats and a QR code for the link.

If you add ".qrcode" to the end of a bit.ly address you will see the QR code.

delivr

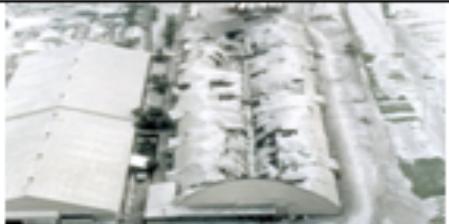
Or use Delivr to create a short URL, QR Code, mobile friendly pages, all at the same time. What's more you can track what you share with analytical data on clicks, mobile views and QR scans.

It also does very clever things with YouTube videos, Google maps etc. Check out a full review [here](#) or scan the QR code:



#7 - Adding QR codes to Word documents for students to check their answers.

Identify the type of Volcanic Hazard. (Check your answers using the QR codes)

		
Identify and justify type of hazard.	Identify and justify type of hazard.	Identify and justify type of hazard.
		

Laminate sheets and pin them up round the classroom
[@muppetmasteruk](https://twitter.com/muppetmasteruk)

#5 QR Codes to promote Teen Read Week (or other school events)

1. Create QR code (<http://qrcode.kaywa.com>) that will go to a URL promoting a school event.
2. Create a simple web page (ie, Google Sites) to promote that event. I made one for my high school book club to promote good book recommendations for [Teen Read Week](#).
3. Print small notes with the title: *What's happening in school this week??? Scan this code with your mobile device to find out!* and tape them in the bathroom stalls, mirrors, or areas where mobile devices are allowed at your school.
4. Trust me, your tech savvy kids will know what to do -- and it will pique the interest of other students too!

Submitted by [Colette Cassinelli](#)



#4: Add to Your Learning Streets

How do we better utilize the pathways in school buildings? Whether it is only seeing these as transition points from A to B or a mindset that sees learning tethered only to the classroom, this area is often neglected outside of a few token art pieces, an award here or there, and random announcements.

QR Codes are one way to begin converting these legacy spaces into learning spaces.



Submitted by [Ryan Bretag](#)
[\(@ryanbretag\)](#)

#6 - Advertising school events

If the College is trying to advertise a sexual health clinic or similar confidential event, no one wants to be seen trying to note down the place, date and time along the corridor.

However, if these events are advertised anonymously through QR codes, the information is on people's phones for them to peruse privately.

@xlearn

#8 Use QR codes to get immediate access to wireless network

1. Install 'Barcode generator' on your Android phone. Use the QR-code below.
2. Use 'Wifi Network' and add: SSID, password and kind of security.
3. Students now have easy access to the wireless network.

Submitted by: [Antoine van Dinter](#)



#9 - Use QR codes to vote using twittertools

1. Download Twittertools: <http://www.sapweb20.com/blog/powerpoint-twitter-tools/>
2. Create a QR code for every voting command, using these instructions: [dihNW](#)
3. No need to type any messages, just scan and vote.

Submitted by: [Antoine van Dinter](#)

#10 - QR Codes to enhance/extend information in books & printed material

Print a QR Code on a sticker and place in a text book at the relevant point. Pupils scanning the QR Code are taken to related material, for example a video, web page or source of further information. See my [QRMovie](#) on YouTube or [my presentation on QRCodes](#) for more details.

Posted by [@DavidDMuir](#)



QR Code for QR Movie



QR Code for presentation

#11 - Share with other students

When adding student resources to the website we add a QR Code next to the article. The students would then be able to scan and share with other students.



@LRDow

#12 - Put a QR code in your classroom window so people can see inside.

<http://moturoa.blogs.com/2010/10/qr-codes.html>

[@AllanahK](#)

made with

<http://snap.vu/>
is good because
you get an email
telling you how
many times your
QR code has been
accessed



#13 - Use QR code to give access to mobile site with important information

1. Create a mobile site for free using: <http://winksite.com/site/index.cfm>
2. On the winksite a QR code is generated automatically.
3. Put this QR code in the planner that you use in the classroom. Check out [this example](#).

For an example of a mobile site, scan the QR code on the right.

Submitted by: [Antoine van Dinter](#)



#14 - Easter Egg Scavenger

Create an "easter egg/scavenger hunt". The students must seek out the QR codes that are posted in a given area. Use the codes to go to information to answer a question and/or find a clue. Then on to finding the code.



Added by [@hamtra](#)

#15 - Video / Resource of the Day

By using Snap.vu, the content embedded in a QR Code can be changed and managed at any time.

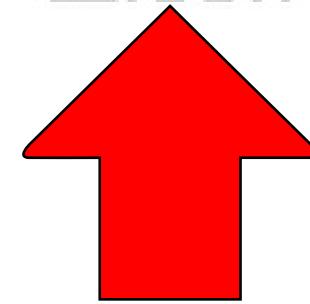
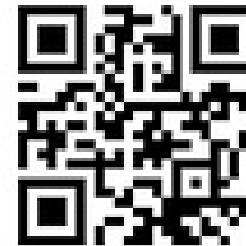
One QR Code posted at the front of the room, in a student's notebook or in a textbook can be managed to point at any content: website, video, audio, document...

The screenshot shows the snap.vu website interface. At the top, there is a navigation bar with tabs: 'My snapcodes' (selected), 'New web snapcode', 'New contact snapcode', and 'My profile'. To the right of the tabs is a 'Sign out' button. Below the navigation bar, the main content area has a heading 'My snapcodes'. A green success message box displays the text 'The web snapcode has been saved.' A table lists the created snapcode: 'Created' (23 October 2010), 'URL' (9xu5), 'Reference' (World Studies Class Blog), 'Visits' (0), and 'Action'. A context menu is open over the 'Action' column for the first row, listing options: 'Select', 'Download JPG', 'Download PNG', 'View visits', 'Clear visits', 'Edit snapcode', and 'Delete snapcode'. To the right of the table is a red 'Go' button. At the bottom of the page, there is a footer with links: 'Home | About | Help | Terms and Conditions | Privacy Policy | Contact Us'. There are also social media sharing links for Facebook, Twitter, and Google+.

submitted by:
Greg Kulowiec
@gregkulowiec

#16 - Make a data chart

Spain	7
South Africa	6
France	6
Turkey	5
Serbia	4
Ireland	17
Germany	9
Denmark	6



In Maths provide some data on a paper handout with a QR code for an online graphing tool like Create-a-Graph.

#17 - Odds and ends

Add QR codes that lead to book trailers to the backs of library books . . .

Add QR codes to math worksheets with video tutorials of how to solve the problems . . .

Add QR codes to the school literary magazine to lead people to a gallery of all the artwork that was submitted but couldn't fit in the print version . . .

Add QR codes on every research assignment to subscription databases and reputable starting points . . .

-submitted by [@smcneice](https://twitter.com/@smcneice)

#18 - Colour Code

Use the excellent QR Stuff website to make coloured QR codes.

Use different colours for websites and resources in different subjects.

You can then see which QR codes belong to certain subjects and will help you organise lots of them in the classroom.



<http://www.qrstuff.com/>

#19 - Link analogue to digital

If your school uses blogs or any online publishing tool, create qr-codes to stick in the exercise books to link analogue to digital. Visitors, Inspectors, SIPs, Subject Leaders can then see the whole picture of learning. Year 6 at Heathfield do this, this is what their books look like:

By David Mitchell
[@DeputyMitchell](#)



#20 - Target Support Information

Stick a QR code wherever there is a child's target. E.g. at the front of a their text book or on a wall display. Link to an audio or video recording explaining what their target is and the steps and strategies to achieve it.

I have used this to give year 1 children support information for individual writing targets. [Click here](#) for more details and access the level 1 writing codes / audio files.

[@primarypete](#)

#21 Create a virtual tour of the school

Put some QR codes around the school.

- One in the entrance - linking to a text of the school mission statement or URL of school website.
- One in the corridor - linking to school vision.
- One (or more) outside every classroom with planning of work being completed within, audio of music compositions or poetry recitals, slideshows of artwork etc.
- One in the hall with an associated video clip/snippet of the Christmas/end of year show.
- One in the library with associated audio clips of pupil book reviews.
- ...others that you will inevitably think of.
- Give visitorsinspectors a device when they arrive.

#22 Make Displays Interactive

Add QR Codes to classroom displays to enrich and make interactive by linking to:

- videos of how the display was made (e.g. making stuff in technology);
- Blogposts on pupils' commentaries on their artwork, poems, writing;
- Further information about the country, period in history, person etc;
- A Google Form for feedback.

added by
John Sutton
[@hgjohn](https://twitter.com/hgjohn)

#23 Bring the web into the non-ICT classroom.

Set your class an online activity during a lesson in an ICT classroom or as homework. This could be an exercise on a VLE course or using a tool such as [Lino-It](#). For example you could have students research a topic (that they will later be assessed on) and collaboratively collate their info on a Lino-It canvas.

You could then generate a QR code from the canvas' URL to be displayed in the classroom or stuck into their books.

While the students work on essays or an end of unit assessment they could scan the code and access the information via their phone.

Here is an example of a canvas and corresponding QR code, generated using [delivr](#).

The Lino-It canvas has a title 'This is a super cool unit 3'. It contains several sticky notes with various topics and contributions:

- A yellow note: 'Add a note suggesting things that we should be looking for in each groups advert:
E.g.: variety of camera angles and distances.
Mr. M.' with a list of 5 icons.
- A green note: 'Quality of Editing' with a list of 5 icons.
- A green note: 'Steady Camera' with a list of 5 icons.
- A green note: 'Quality of Music' with a list of 5 icons.
- A green note: 'Inspiration' with a list of 5 icons.
- A red note: 'Interesting trailer'
 - 'weather the shot is stable, quality of the shot Transitions Sounds use quality of editing'
 - '(Alex)' with a list of 5 icons
- A purple note: 'quality of music and filming (steady camera, good quality picture)' with a list of 5 icons.
- A yellow note: 'Different angles Quality of Angles (shaking)
Realistic the advert is
How long the advert is
Music is clear and relates to the advert
Flows softly
Different shots Radio Logo Quality of objects in the advert Editing quality'
- A grey note: 'Clarity, Continuity, Meeting the target audience?, Camera, Music, Editing, Message?, Transitions and Entertaining?
(Francis) (Sistering)' with a list of 5 icons.
- A green note: 'I think we should be looking for an advert that has been clearly thought out and has been developed thoroughly. There should be little or no blurry/distorted shots.
(Alex)' with a list of 5 icons.
- A yellow note: 'Consistency of film' with a list of 5 icons.
- A pink note: 'camera angles How long the advert is if the camera shot is at good quality. Clear audio Has the Radio's logo'
- A grey note: 'What should we be looking for?
Use of locations
See if we can guess the target audience
Structure of advert in shots
How it promotes radio station
Quality of music
Use transitions and editing
(Hogan) (Luke)' with a list of 5 icons.
- A pink note: 'If all the camera shots have a stable camera
All the shots flow into one another like one film instead of separate pieces of footage
(Sarah)' with a list of 5 icons.
- A purple note: 'Think about... Time spent on shot. Transitions used Flow and feel of advert (do I work) Lighting
(Sarah)' with a list of 5 icons.
- A blue note: 'What We Should Be Looking For
How it shows the target audience
Camera Angles
How it advertises the radio station
What it says about the radio station
Quality of music
Quality of editing
Transitions
Story line (if it tells a story)
(Brown) (Colin)' with a list of 5 icons.



@jamesmichie

#24 Add QR codes to any/ all worksheets or handouts

I've used QR codes with my students for a while now. Although recently I found using a URL shortening service (bit.ly) a great time saver. As well as being able to (alert) students of new resources via the department twitter and facebook pages, a QR code is automatically generated too. Saving the need to use another QR generator.

The QR Codes are then added to worksheets and guidance papers, to allow students access to instructions via their mobile phones.

....Just in case they loose the handout!
(right) is an example [CLICK HERE](#) to view to actual resource,



[@jamesgreenwood](#)

#25 Create a more realistic class shop

When learning about money, I know that many of us set up 'class shops'. Why not add another dimension to this by pricing up some of the class shop items with QR codes. Children can scan these to find out the price in the same way that items would have their barcodes scanned at the checkout of a real shop.

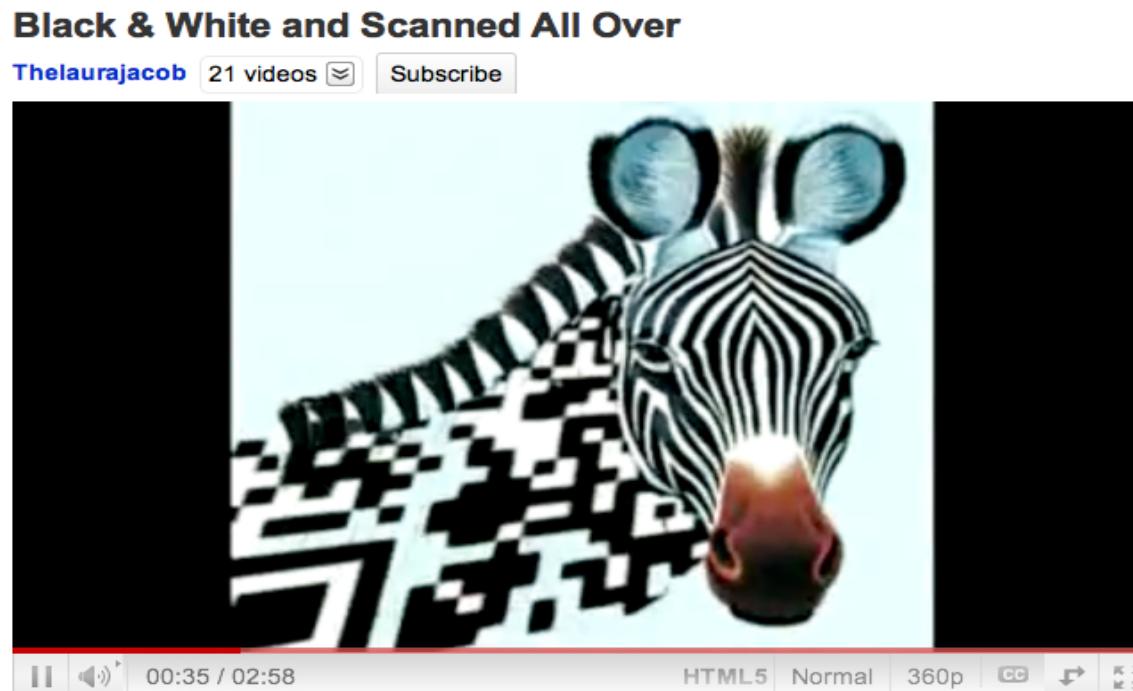
After a while, you could have a 'sale' and get children to adjust the prices linked to the QR codes by 10% to extend learning.

[@OhLottie](#)



#26 This video has a heap of ideas from McGuffey School District in Claysville, USA.

<http://www.youtube.com/watch?v=ayW032sKtj8>



slide by [AllanahK](#)- video link from [Keri Beasley](#)

#27 Link directly into Google Maps

Some QR readers, such as [QR Scanner](#) for iPhone, have a *View on Map* option after scanning.



With this in mind, you can create a QR code for the name of a place (Tour Eiffel) or its coordinates to be more specific (48.8583, 2.2945 - find this by clicking on the coordinates in Wikipedia) and it will link students directly to that location in Google Maps.

James Musgrave
@jamesvaldera



#28 Linking reading books to online resources

Stick QR codes in reading books that the children take home. These could link to online comprehension questions for parents or to websites that children can use to find out more information about the books or to related games that they can play.

Emma Dawson
@squiggle7



#29 jump scan contacts

JumpScan [<http://jumpscan.com/>] allows users to create personal profile pages that contain contact information - email, web address, twitter feed, facebook feed, flickr feed, etc. Rather than copying down someone's information, just scan their QR code to see their contact information.

Matthew Ragan

@raganmd



#30 Scan from your Desktop / Laptop

QR codes are great on mobile devices, but there's lots of potential for the desktop/laptop world as well. Applications like iCandy [<http://icandy.ricohinnovations.com/rocket2/>] and a simple adobe air application by Dansl [<http://www.dansl.net/blog/?p=256>] expand the possibilities that come with QR codes.

Matthew Ragan
@raganmd



#31 - Explore Physical Models

Attach QR Codes to a physical object to allow for a thorough exploration of the object.

For Example

1. Attach a QR Code to a skeleton etc and link to multimedia about that particular piece of anatomy(<http://www.youtube.com/watch?v=sV-e0qolrt8>)



@mrrobo

#32 - Create a Kinesthetic Reading Adventure

Create a "choose your own adventure" story that has individual QR Codes that need to be scanned in order to advance through the story.

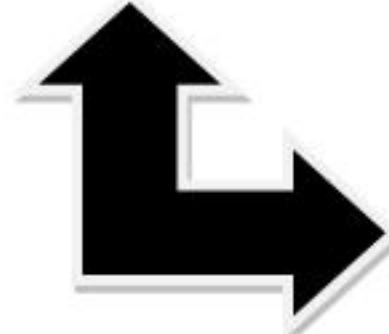
Place the QR codes around the school to encourage movement (See Picture)

You hear a tapping on your door, and then your Aunt Petunia says in a shrill voice, "Up! Up! Get up! Right now!"

It's morning. You are Harry Potter. You were left at the Dursley's doorstep and Aunt Petunia is a Dursley. The Dursleys told you that your parents, Lily and James Potter, died in a car crash. Your bedroom is the cupboard under the stairs. The Dursleys hate you.....

Scan Code 2 to Try to remember the dream you had.

Scan Code 3 to Get up



@mrrobbing

#33 - Geocached QR Codes for revision/tests

Using a GPS place a series of markers around your school (recording their position). On each of the markers place a QR Code that contains a question.

Students move around using the GPS to find the markers to therefore answer the questions and get the clue to the next marker.

A great way to get people moving during a test/quiz etc



video - <http://bit.ly/gAdiWG>

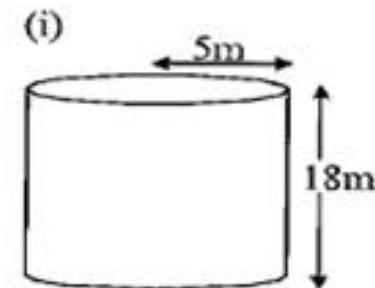
@mrrobbo

#34- Futuristic Maths Worksheets

Create a maths worksheet that has QR Codes beside each problem.

Upon scanning the code a step by step tutorial is launched in Youtube explaining the process of solving the problem.

Students can use when they are stuck on a particular problem or to check their work.

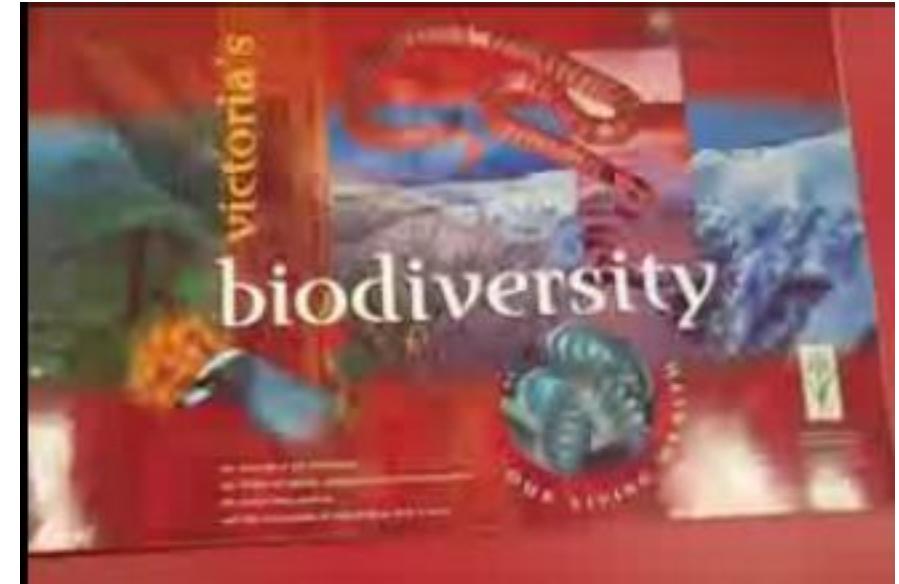


Video - <http://bit.ly/bsk0Qg>
@mrrobb0

#35 - Futuristic Books?

1. Use a QR code generating website to create a code for the book.
2. Print out a copy of the Code
3. Attach the code to the book and return the book to its original location in the library

Imagine going to find a book, but rather than simply reading the blurb you could scan a code to reveal a youtube video with people explaining the book, a podcast of someone reading the book, a short text review or even a website that lists similar books.



Video - [@mrrobbing](http://bit.ly/e9N3vW)

The possibilities are endless.

36 -The Newsletter with lots of links

Recently I wanted to pass on lot of links within a Primary newsletter (PDF) to convey what the children were learning.

Even with them all shortened it would have been tricky for parents to type.

So I made a QR code for my website and let the parents see the links on their phones.



[Glenn Malcolm](#)
[@glennmalcolm](#)

QR CODES FOR SCHOOL NEWSLETTERS
AND GOOGLE CHROME WEB APP STORE
FOR SCHOOLS AND EDUCATORS

WEDNESDAY, JANUARY 12, 2011 AT 11:36AM

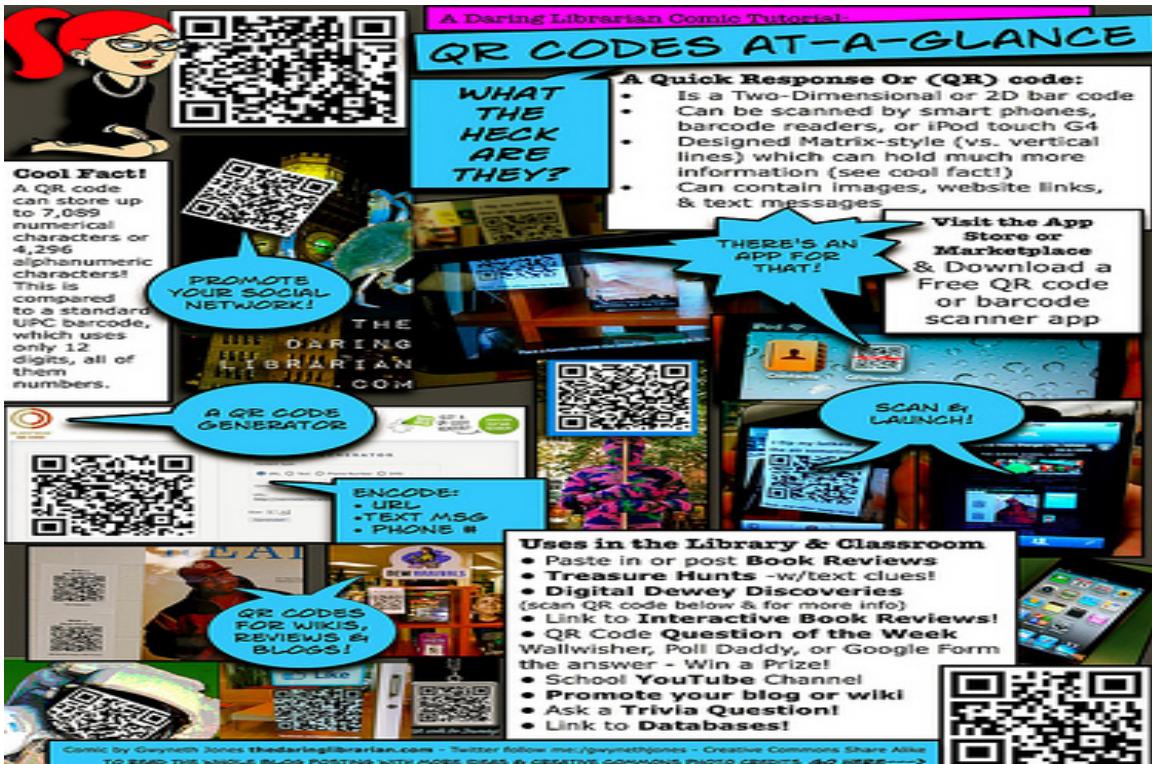
[/ modify](#) [remove](#) [organize](#) [post follow up](#)

This post is from the most recent newsletter sent out to teachers at my school, [The Taipei European School](#).

You might be here from the QR code in the newsletter - if you are then great! If not then why not check out the links below to see how the QR code can help you out.

A QR code is a type of bar code without the bars. Instead they are squares and allow text and other data to be interpreted where an object needs to access digital data. Google Goggles (Android), [Pic2shop](#), [Red Laser](#) (iPhone) or [Shopsawy](#) (both) are good applications to use to access other QR codes and bar codes on packaging. The bar codes can then give a slew of information appearing on your phone's browser.

#37 - QR Code Comic Tutorial



- Creative Commons: Take, Use, Share!
- Full size for download can be grabbed [here](#).

Created by Gwyneth Jones
thedaringlibrarian.com

#38 - QR Code Twitter Polling

The screenshot shows a web page with a header for "ZEEK INTERACTIVE" and a "home" link. Below the header is a form titled "CREATE A STATUS UPDATE URL FOR TWITTER". The form includes instructions: "Make it easy for your Twitter followers to spread your message. In the form below, type the message you want others to send via Twitter. Then click "submit." We generate a [TinyURL](#) that you can send via email, use as a link in blog posts, or simply include in a tweet. Use it anywhere you wish. Clicking on the link will automatically place your words into your friend's Twitter status update window. Simple." It also includes an example message: "EXAMPLE: If you like it, [click here to help us spread the word.](#)". Below the instructions, there is a "Copy your URL" field containing "<http://tinyurl.com/4jghzr3>". The main input field contains the message "My vote is for Roy Oswalt! #philliespoll". A character counter shows "140 characters left". A "Submit" button is at the bottom.

1. Create your messages



2. Create your codes and poster

Team QR codes with Twitter by using [Zeek Interactive](#) and a code generator to create a status update that can be used for polling your audience members. Make sure you identify the status update with a common hashtag so that they are easy to sort together.

Quicker method: just use a text message.

— @altucker

#39 - Authentication

We have just completed a project where we use QR tags to do authentication. We're going to use this in 2011 to let students log in to websites by scanning a QR code.

The interesting bit is that you can use this to have kids that are too young to remember a password log in to educational services. You can find out more information about this (research) project here:

<http://www.egeniq.com/projects/>

We did this project for SURFnet, which is the main ICT supplier for all dutch educational facilities.

#40 - Powerful QR Code Generator

Select a Code Action:	<input type="button" value="Browse to a Website"/>
Code Type:	
Web Site URL: *	
URL Shortening: (will use full url in case of error)	
Error Correction Level: (only for regular QR Code)	
Block Size in Pixels:	
Margin Size in Blocks:	
Output Type:	<input type="button" value="Portable Network Graphics (PNG)"/>
Foreground Color:	<input type="color" value="#000000"/> <input type="checkbox"/> Transparent
Background Color:	<input type="color" value="#FFFFFF"/> <input type="checkbox"/> Transparent
<input type="button" value="Generate Code"/> <input type="button" value="Reset Form"/>	

Just found a very powerful web-based [QR Code Generator](#) created by Kerem Erkan. The number of options is terrific and the Google Maps interface works really well. He has also developed a free iPhone app called Qrafter.

tip: Al Tucker

If you would like to:

- Contribute your ideas and tips to the presentation.
- Let me know how you have used the resource.
- Get in touch.

You can email me or I am @tombarrett on Twitter

If you add a tip (or even if you don't) please tweet about it and the link so more people can contribute.

I have created a page for all of the **Interesting Ways** presentations [on my blog](#).

The whole family in one place :-)



Image: 'Sharing'

Thanks for helping
[Tom Barrett](#)

Have you seen [The Curriculum Catalyst](#) yet?