

SQRL Power

*A guide to using iPads and QR Codes
with Deaf/HH Students*



Amanda Lee

Atlanta Area School for the Deaf

Introduction to QR Codes	3
Why QR Codes in the D/HH classroom?	3
What are SQRLs?	4
Uses for SRQLs	4
Word Walls.....	5
Center Directions.....	6
Class Library.....	7
ASL Storytelling.....	7
General Information.....	8
And Much More	8
Basic Directions to Create and Use SQRLs	9
How to Create a QR Code:.....	9
How to Create and Use a YouTube Account:	9
How to connect a video from the GA Tech Cats Sign Dictionary:	10
How to use QR codes on the iPad/iPhone/iPod Touch:	10

Introduction to QR Codes

This document will show you how and why to use QR codes with Deaf/HH students. QR (Quick Response) Codes are a two-dimensional bar code originally designed for use in the automotive industry. Recently, they have become extremely popular with all advertising due to the widespread use of smartphones. Now everyone can have a barcode reader in their pocket.

For the past several years, teachers have begun to use QR codes in their classrooms for many reasons. They are highly engaging and can provide a new way to give students information. Scan this code (or click this link: <http://prezi.com/ma3afb24peyh/qr-codes-in-education/>) and watch a Prezi presentation by David Muir about classroom applications for QR codes.



WHY QR CODES IN THE D/HH CLASSROOM?

One of the greatest struggles for bilingual D/HH learners is developing two languages, American Sign Language (ASL) and English. As a teacher, I noticed that many of my students in my classroom and school, had much stronger ASL skills than English skills. This made it difficult for them to work independently because they needed directions in ASL, not English. One day, I had an idea and it changed my classroom. Using QR codes to provide ASL support with English print. SQRLs were born!

What are SQRLs?

SQRL stands for Sign Quick Response Label. It refers to a QR code that links to an ASL sign or video. SQRLs can be used in the classroom for a multitude of reasons. I will proceed to give you some examples and show you how you can create your own SQRLs.

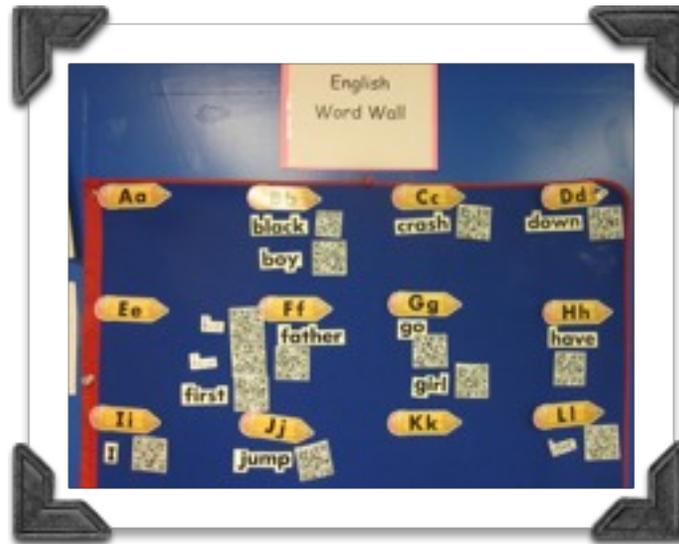
USES FOR SRQLS



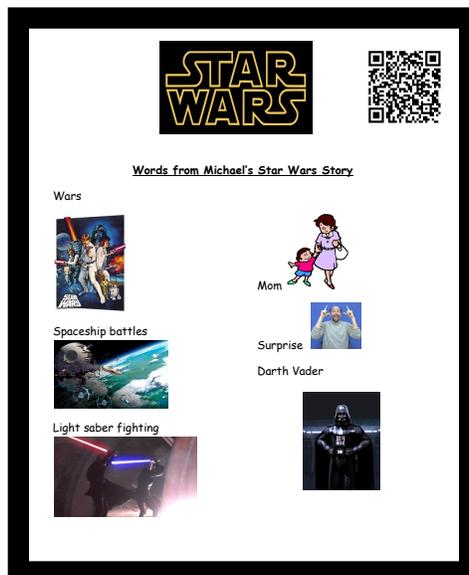
- Word Walls
- Center Directions
- Class Library
- ASL Storytelling
- General Information
- And much more



WORD WALLS

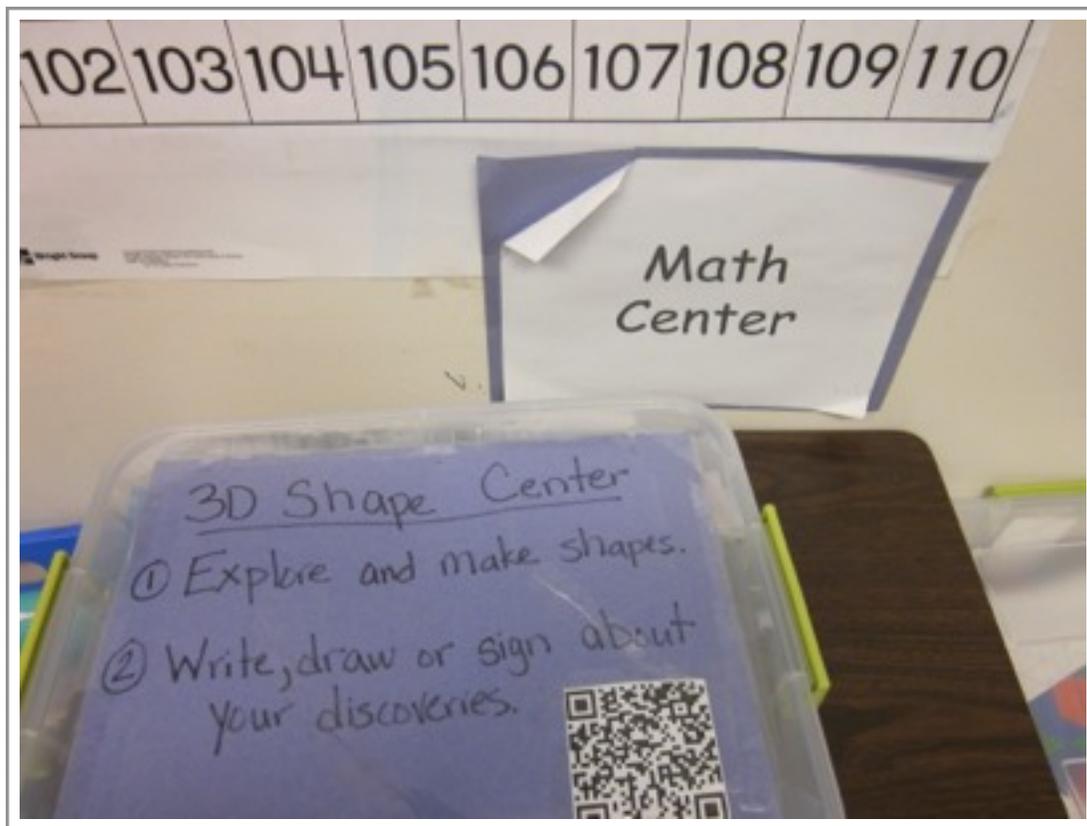


I wanted my students to use my word wall independently to review words that we had learned. My students are very emerging readers and I noticed would often forget the words on the wall. During one of our class reviews of the words, I took video of my students spelling and signing the words on the word wall. I uploaded the videos to YouTube and created my first SQRLs. I printed the codes and placed them on the word wall next to the English print. Now when my students are at the word wall alone and they forget a word, they can use their iPads to scan the code and review the video.



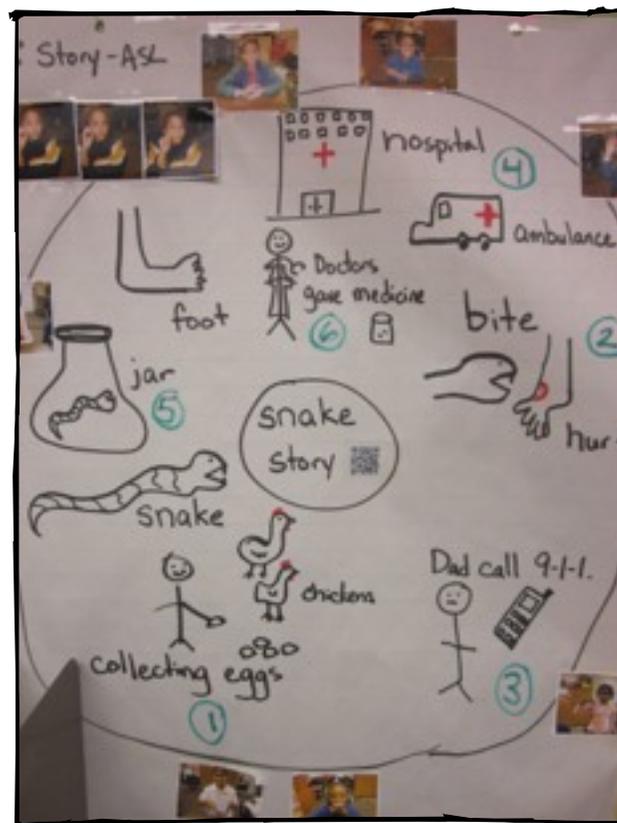
CENTER DIRECTIONS

In my classroom, I use centers to have my students work independently while I work with one or more students. When I first implemented centers, I noticed that my students were not reading the directions that I provided for the center. I began to video myself giving the directions and providing a model of strong work for that center. I would then create a SQRL to the video and place it on the center directions. Now my students can watch the directions any time they forget how to complete a center.



CLASS LIBRARY

SQRL's can be used in a class library in several different ways. When we make class books, I can film the students signing each page and then create a SRQL for that page. The students can use their iPads to review the story when they read independently. Also, SQRL's can be used to support vocabulary in the class library.



ASL STORYTELLING

I use a lot of ASL stories in my classroom instruction. Most of these, I get from our Accessible Materials Project (AMP) at my school. After we watch a story, we create a word wall with concepts from the story. I post these word walls around the room. After discovering SQRL's, I created a SQRL to provide a direct link to the story for my students. I have seen my students re-watch old stories and review the vocabulary spontaneously. What a great way to motivate students to watch a story over and over again!

GENERAL INFORMATION



One of the simplest and most universal way to use SQRLs is very similar to what advertisers use QR codes for in general. That is to provide basic information. For example, if there is a poster in the hall about an upcoming school event, you could create a quick ASL message about the same event and put the SQRL up with the poster. This would allow all students to access the same information in English and in ASL. This could be used for the school as a whole or for information that you want to share in your classroom, such as rules for using the computer; reminders about homework, or upcoming field trip information.

AND MUCH MORE

What are your ideas? Can you think of other applications for SQRLs in your classroom or school? Please feel free to email me with any ideas or questions. You can email me at amadams@doe.k12.ga.us.

Basic Directions to Create and Use SQRLs

HOW TO CREATE A QR CODE:

1. Go to a QR Code generator
(such as <http://createqrcode.appspot.com/>).

2. Enter the text or hyperlink.
3. Click "Create QR Code".
4. Right click "save as".
5. Name your file and chose a location to save it.
6. Now you can print or copy to a document.



HOW TO CREATE A VIDEO TO LINK TO A QR CODE:

1. Use a flip camera or other means to film yourself or students.
2. Upload the video file to your personal YouTube account.
3. Go to your video on YouTube.
4. Click the Share button.
5. Copy the http link to your video into the QR code generator.
6. Follow the directions above.

HOW TO CREATE AND USE A YOUTUBE ACCOUNT:

1. Create a YouTube account using your gmail account or create a new username/password.
2. Press Upload.
3. Select file from computer- locate file and click.
4. Give file a name.
5. Chose unlisted.
6. Click the share button.

7. Copy the http link to your video into the QR code generator.
8. Follow the directions above.

HOW TO CONNECT A VIDEO FROM THE GA TECH CATS SIGN DICTIONARY:

1. Go to www.cats.gatech.edu/mysignlink2.
2. Type in the word you want.
3. Right click on the video and select "Copy video url".
4. Paste the URL in the QR Code Generator.
5. Follow the directions above.



HOW TO USE QR CODES ON THE IPAD/IPHONE/IPOD TOUCH:

1. Download a QR reader app (such as Qrafter- <http://itunes.apple.com/us/app/qrafter-qr-code-reader-generator/id416098700?mt=8>).
2. Open app.
3. Press the camera button (scan with camera).
4. Place iPad camera over desired QR code and let it automatically capture.
5. Pick the action that you want (watch video, go to YouTube, etc).