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**Goal for instruction:** The goal/objective of this lesson is: students will gain an understanding of QR codes and apply that knowledge to a written journal response.

**Purpose for this lesson:** After hearing Dr. Sally Reis' keynote speech of "Creativity-Whatever Happened to it?" , I knew that it was time to take a closer look at the technology world that my students are so interested and involved with on a daily basis. It is my job to go to their world and create lessons that will better prepare them for jobs that most likely don't even exist. The development of this lesson forced me to look at creativity in a different light.

My fourth grade gifted and talented reading students are reading the book Harriet the Spy. Harriet is a fifth grader who walks around the streets of Manhattan, New York, spying on people and taking notes about them in her notebook. Students have read the first two chapters and written journal responses to two assigned written tasks. In each of my gifted and talented classroom, I have five iPads and five wireless keyboards. These iPads are used every day and with every group of students that I currently serve in both elementary buildings.

Twice a month in our district a teacher who has had extensive training in the iPad gives lessons and information about how to better utilize the iPads in the classroom with students. It was at one of these iPad training sessions that I had the idea of developing a lesson around QR codes.

**Unit: QR (Quick Response) Codes & Scan app on iPad**

**Grade Level: 4<sup>th</sup> Grade GT reading students**

**Task : introduce, load, and use the Scan app and apply its use to a QR code (Quick Response Code)**

**Specific Benchmark: Students will be able to identify QR codes on products/literature in their environment and understand their benefits and purpose.**

**Procedure: Students will learn how to load the Scan app(for free ) on their iPad. A step- by -step procedure by the teacher will give them specific directions needed to load this app.**

**After the Scan app has been loaded onto the iPad, students will be given a printed QR code from the teacher that they will scan. After scanning the QR code, students will watch a video that explains and illustrates the purpose of QR codes in a school setting. (that QR code is at the bottom of this page)**

**After watching the video, students will bring in products, magazines, and ads, that have a QR code on them. We will scan the various items in class and discuss where**

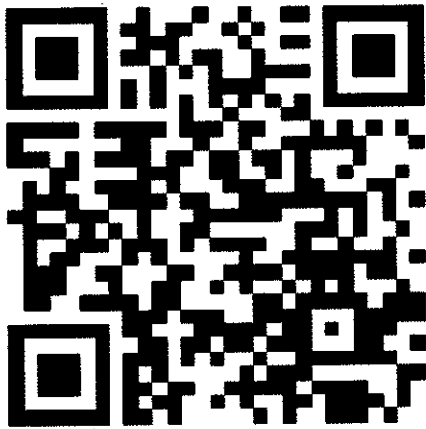
the QR codes take us after the QR code is scanned. (a web site, power point, YouTube video)

Answering the questions of why QR codes will benefit student's understanding of the codes.

The first QR code to be scanned by students once their Scan App is loaded on to their iPad:



Since the students are currently reading the book Harriet the Spy, we will discuss QR codes and spies. The following QR code will give the students more information about spies. Students will scan the following QR code to give us more information to broaden the class discussion. (This QR code will take students to a web site about spies.)



Following the scanning of two QR codes, a discussion about spies, and students reading chapter 3 in Harriet the Spy, students are now prepared to respond to the following journal entry on the Notes app of their iPads:

In two distinct paragraphs respond to the following tasks:

How do you see QR codes solving a problem for you?

Finally, compare QR codes as a tool to the tools that we discussed from the book The Big Spy Book and the tools that detective Sherlock Holmes used to gather clues.

(How are they alike and how are they different?)