

January 6, 2013
There's an App for That- Lesson Plan
Grades 1,2,3,4,5
App: Qrafter

Materials:
25 iPads with App- Qrafter
Desktop computers that access qrcode.kaywa.com
Printer
4x6 index cards
Colored pencils

Duration:

3 class periods for each grade level
Total of 3 weeks on a 4 day schedule

Goal-

AASL Standards

4.1.7- Use social networks and information tools to gather and share information.

3.4.2- Assess the quality and effectiveness of the learning product.

Common Core

Writing Standard #8- Gather relevant information from multiple print & digital sources, assess the credibility & accuracy of each source and integrate information while avoiding plagiarism.

Access Prior Knowledge-

-Show examples of QR codes from artifacts that students might have seen.

-Ask for personal experiences using QR codes to access information.

New Information-

1. Display pre-created QR code that links to the school library catalog. Don't reveal to students where on the web the code links.

2. Ask for student predictions where the code might lead to if scanned. Ask why we might use QR codes in our library.

3. Scan QR code that leads to the library catalog.

4. Model for students that not only can a QR code be created to link to the school library catalog but a code can also be created that executes a search in the library catalog.

Guided Practice-

1st grade portion:

5. 1st graders will create a simple list of search terms that they would like transformed into QR codes. When a QR code is created for a particular search, students will no longer need to know how to spell complicated terms like: Spongebob or Ninjago- students will just need to scan the available code.

5th grade portion:

5. 5th graders will work with a partner to select a search term from the 1st graders list and work on creating a working search that returns accurate and relevant books on their selected topic. Using Kaywa they will create the QR code for their search. Librarian will assist students in saving the QR code as a jpeg and printing a physical copy of the QR code.

2nd, 3rd & 4th grade portion:

5. 2nd, 3rd & 4th graders will use Qrafter to scan the 5th grade created QR searches and analyze each code for accuracy. Students will use post it notes to provide feedback & suggestions to the 5th graders regarding the integrity of their search.

6. 5th graders will make any revisions as suggested by the 2nd, 3rd & 4th graders.

7. 2nd, 3rd & 4th graders will design a 4x6 index card for one of the QR searches. Your index card must include: a) the printed & working QR code, b) a label that indicates what information your QR code is searching in the library, c) a unique, hand drawn illustration that relates to the search.

8. Using document camera, share final products with grades 1,2,3,4 & 5. Laminate final products and make them available to students to use in order to locate information & books in the library.

Generalization/Assessment-

-Each student has produced or created an index card that displays a working QR code that links to a search in the McNamara Library catalog.

-Students use final QR code products along with iPads & the Qrafter app throughout the school year to fluently access information.