

Technology Alive!

INTEGRATING AUGMENTED REALITY

What is Augmented Reality?

AR is a live direct or indirect view of a physical, real-world environment whose elements are supplemented (augmented) by computer-generated sensory input such as sound, video, graphics or GPS

Augmented Reality allows individuals to view the world differently than it appears as text, videos, images, or audio are superimposed into students' real time environment.

Quiver

Print, color and see your drawing in beautifully hand-animated 3D worlds.



NASA Spacecraft 3D

Learn about and interact with a variety of spacecraft that are used to explore our solar system, study Earth, and observe the universe.



Anatomy 4D

Puts every detail of the most complex human bodily systems into a free app



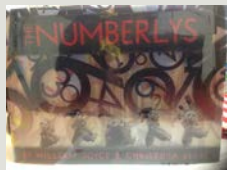
Aurasma

Every image, object and even a place can have its own "Aura", which is the term for an augmented reality experience.

- Book Reviews
- Scavenger Hunts
- Number or letter formation

Interactive Book

- Numberlys
- The Fantastic Flying Books of Mr. Morris Lessmore



Chemical Reaction Blocks



1 See the image in 4D

2 Combine 2 elements

3 See the reaction

Schools Around the World

- Use Aurasma
- Links to website or video
- Students have a passport filled with questions to be answered

How to integrate...

- Homework mini-lesson (teacher instruction)
- Faculty Photo Wall
- Parent Involvement (display of student work)
- Yearbooks (activities, senior goodbyes,...)
- Word Walls
- Lab Safety (students could explain safety rules)
- Deaf and Hard of Hearing Sign language flashcards
- Stories based on Quiver pictures
- Other thoughts???

Resources...

- <http://pbskids.org/cyberchase/> (Cyberchase game board)
- <http://colarapp.com/> (Colar)
- <https://itunes.apple.com/us/app/spacecraft-3d/id541089908?mt=8> (Spacecraft 3D)
- <http://daqri.com/project/anatomy-4d/#.VRBqFY6zGYI> (Anatomy 4D)
- <http://www.aurasma.com/> (Aurasma)
- <http://elements4d.daqri.com/> (Chemical reaction blocks)
- <http://https://www.teacherspayteachers.com/> (Teachers Pay Teachers)
- <http://www.educatorstechnology.com/2013/06/20-ways-to-use-augmented-reality-in.html> (ideas)
- www.funmapsforkids.com (Layar app)
- <https://itunes.apple.com/us/app/disney-nature-explore/id690215614?mt=8> (Disney Nature Explore)