

# ***Augmented Reality: Takes Students to the Real World of Mathematics***

## ***(Session #351) NCTM National Conference, April 11, 2014, New Orleans, LA***

### **General Steps for Creating Augmented Reality**

1. Select AR App
2. Create “augmented” data (overlay)
3. Identify trigger image
4. Link trigger/augmentation
5. Distribute

### **Resources for Creating Augmented Reality**

Aurasma (Aurasma Studio; multi-user capable) [www.Aurasma.com](http://www.Aurasma.com)

LAYAR (LAYAR Creator desktop app for creation) <http://www.layar.com>

Tutorials for Creating Aurasma “Auras” (search for Aurasma tutorial in YouTube)

Introductory Tutorial: <http://youtu.be/ZkYZHCRKJbo>

Teaching with Aurasma (from Northwest High School)

Several examples of using Aurasma: <http://youtu.be/uHlxYpBW7sc>

Professional 3D AR development application: ([www.buildar.co.nz](http://www.buildar.co.nz))

Example of math flashcards using augmented reality <http://youtu.be/RjPG3VjPBME>

Augmented Reality to Engage Students in Mathematics

Investigation prior to instruction: <http://youtu.be/-uycBwTXdKM>

### **Web Resources for Augmented Reality**

*How Augmented Reality (AR) Can Be Great for Math Class*

<http://tapintoteenminds.com/2013/11/17/how-augmented-reality-ar-can-be-great-for-math/>

*AR in Math Classrooms*

<http://prezi.com/utxwblu7xyr1/ar-in-math-classrooms/> (link at end of Prezi doesn't work)

[http://www.k12mobilelearning.com/?page\\_id=826](http://www.k12mobilelearning.com/?page_id=826) (this one does)

Two Guys and Some iPads (blog)

Meaningful Integration of Augmented Reality in Education

<http://www.twoguysandsomeipads.com/p/meaningful-integration.html>

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