

**E-mail to** MPedersen@paulding.k12.ga.us **no later than May 14, 2018.**

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School: \_\_North Forsyth Middle School\_\_ District: \_\_\_Forsyth\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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“Promising Practices Classroom Activity”

Title of Activity: \_**Engaging Students with Augmented Reality**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Recommended number of students: \_\_\_variable: (dividing students into small groups is ideal)

Content Area: Apps are available for different content areas\_ Grade Level: \_\_K-8 (I am middle school)\_\_\_\_\_\_\_\_

Match to Georgia Standard(s): \_\_Science, ELA, Math (applicable GSE vary depending on app)\_\_

A Merge Cube is a holographic, durable foam cube that students can hold in their hands and interact with 3D objects using augmented reality. I bought the cubes for $1 each at Wal-Mart, and they can be used with a range of apps (many are free). The cube is compatible with iOS and Android devices, and it can be used with Merge VR/AR goggles. Many apps have a record feature that can be useful for large-group lessons and student-created presentations. I have found the cube to be useful for all levels of students, including those with cognitive impairments who benefit from multisensory strategies.

Some of the apps that can be used for educational purposes include:

* Galactic Explorer (free): planets, sun, rotation, revolution, moons, rings, atmospheres, etc…
* Anatomy AR ($0.99): heart, brain, limbic system, basal nuclei
* Mr. Body (free): brain, heart, lungs, liver, stomach, kidneys, pancreas, etc…
* 57 North ($2.99): interactive storybook (story elements, vocabulary, creative writing, etc…)
* Things (free): many games including Holobody (3D heart and skull)
* Dig (free): Minecraft, creativity app, find the volume of a composite shape, etc…
* DinoDigger ($1.99): fossils, dinosaurs, rock types, time periods, different environments
* Museum Viewer (coming soon): explore historical artifacts in the palm of your hand
* HoloGlobe (coming soon): uses satellite imagery to display Earth’s data including precipitation, temperatures, etc…