Augmented Learning: Apps to Develop Creativity and Critical Thinking

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All of the APPs in this presentation are available for:
Objectives

- Learn about useful augmented reality apps for educators.
- Share experiences using AR in the classroom
• A Quick Response Code (QR code) is a square pixelated 2D barcode that, when scanned by a camera phone equipped with the correct reader software, gives an instant link to a website, text, picture, etc.

• Augmented Reality (AR) is the merging of a view of the real-world environment augmented with computationally supplied information in real time.

• Virtual Reality (VR) is a computer-generated simulation of highly realistic, three-dimensional images that allows users to interact with this artificial environment in a seemingly real or physical way. This often involves a person using special electronic equipment, such as a helmet with a screen inside or gloves fitted with sensors.
AR promotes ‘active’ teaching, maximizing the opportunity for interaction, encouraging critical response.

Enhanced Storytelling - Kids cannot only read the story but see characters come alive and interact with those book characters.

Project Based Learning - AR is the perfect way for groups of children to thrive in a project based learning environment.

Discovery Based Learning - A user is provided with information about a real-world place while simultaneously considering the object of interest.
CREATIVE THINKING

- is the thinking we do when we generate ideas
- Pose questions
- Imagine possibilities
- 'Brainstorm' solutions
- Elaborate
- Improvise
- Chase inspiration
- Speculate
- Use intuition
- Defer judgements

CRITICAL THINKING

- is the thinking we do when we judge ideas
- Pose questions
- Consider perspectives
- Identify pros and cons
- Determine causes
- Predict effects
- Consider alternatives
- Avoid assumptions
- Look for proof
- Draw conclusions
Chromville
Free - $4.99

- Three educational apps using the eight multiple intelligences. Students color their characters and then they come to life with the app.
Crayola Color Alive

Free to $7.99

- Color the Color Alive pages available in the app store or in special coloring books.
- Tap to bring to life!
- Interact with your creation.
Elements 4D is a fun way to learn chemistry and experience augmented reality.

The website has lesson plans developed for elementary, middle and high school.

1. Download the six target blocks from the webpage.
2. Cut and paste them.
3. Download the APP.
4. Let the learning begin!
Anatomy 4D

Free

- Anatomy 4D puts every detail of the most complex human bodily systems into a free app that is easy to use, accessible, and truly engaging. Learners explore bodily systems in depth through DAQRI’s 4D experience, which provides the opportunity to understand their interrelationships spatially – a learning experience previously only accessible in a gross anatomy lab.
Quiver Education content is designed around topics as diverse as biology, geometry, and the solar system.
• iStorm is packed with fascinating facts about earthquakes, tsunami and other extreme weather events. From floods and drought, to forest fires and avalanches, discover why extreme natural events occur and learn about their impact on our planet.
Zookazam
Free

Population: Many

Parrot
Diet: Omnivore
Lifespan: 10 years
Weight: 12lbs.
Height: 6ft.

Horse
Diet: Herbivore
Lifespan: 30 years
Weight: 1210lbs.
Height: 6ft.

Polar Bear
Diet: Carnivore
Lifespan: 20 years
Weight: 1200lbs.
Height: 8ft.
Arloon
From $4.99 multiple apps purchase discount
References


- Resources:
  - http://quivervision.com/
  - http://arflashcards.com/
  - https://chromville.com/
Thank you for joining us today!

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