Virtual and Augmented Reality in the Classroom

Please add the following apps to your phone:

- YouTube
- nearpod
- Catchy
- MathNinjaAR
Why???

ENGAGEMENT
over
MANAGEMENT
For Their Future...

Medical Purposes

Police Officers

UPS Drivers

(Not just NASA anymore)
Safety

- Lots of space
- With a buddy
- Never grab a device from someone in VR
- Sitting is a great choice
- Motion Sickness

This is something I would address at every experience if using VR with headsets and in a group setting.
Augmented Reality
Augmented Reality

QR Codes

Books and Coloring Books
3DBear AR

Story Prompts
Create a scene
Make a video
Examine animals
Curiscope - Virtuali-tee

Human Body

Connects to VR with blood stream

Heart will pump with your heart beat
Math Ninja AR

Let’s play!
Catchy

Pop bubbles and make words!
Merge Template

Ideas: GIANT Merge Cube
Other AR Apps I am Loving
Virtual Reality
YouTube App
Tips:
Add your curriculum topic with 360
Click the cardboard option
(Or don’t on an ipad)
(We love flight simulators)
Lesson ideas can include Empathy.
Street View App
Street View App

Connections to Architecture, History, How have things changed?

Geography - look at different rock formations, how do the people who live in this area move around and survive? How is that different from another region?

Language - Become a tour guide! Describe popular attractions, give a tour, provide directions.

- Describe a popular location and have other students find where it is.
Street View - Literacy

- Pre-reading activity
- Increase understanding of context
- Easier for students to put themselves in characters’ shoes
- Research key story landmarks
  - Street names, buildings, etc...
Google Expeditions

Field trips to virtually anywhere

From Machu Picchu to Antarctica to the International Space Station - where will you take your class?
Virtual Field Trip!

From Ice Cream Factories to Coral Reef’s to New York City.

Take your class on a trip where you lead them through the atmosphere. (This is sometimes best in a gymnasium if you are doing full class)

These expeditions come with notes for you to read aloud to your class and questions to ask them as well. Think about the deeper questions you could ask them when it comes to making connections to what they already know,
Nearpod

Rather than complete submersion, scaffolds the Learning for your students.

Let’s play!
Math Lesson

- Estimate the number of seats in the theatre
  - Count the number of rows
  - Look for seat number markings
  - Estimate the number of seats hidden from view
Lessons

• “5 senses” Activity
• Ask students:
  • What would you smell?
  • What would you see?
More lessons

Guess my riddle:

- Describe something and see if a friend can find it
  - I am a living being ...
  - They say I roar but, I prefer to purr ...
  - My elevated position makes me dizzy ...

Expedition: Parliament Hill
Panel: Office of the Leader of the Opposition
Geography

Study of the Middle Ages

• Architecture of castles
  • Why is the castle in this geographical location?
  • What geographic elements makes this location is strategic?
  • What are the natural / artificial defenses?
More Geography

- Are these sedimentary, igneous or metamorphic rocks?
- What processes have created the Grand Canyon?
- How have humans affected the natural processes of erosion?
For schools with Refugees

Expedition: Out of Syria, Back into School
Panel: Makeshift Camp
Exploring Careers

- What type of food might they be preparing?
  - What clues help you to decide what meal is being prepared?
  - Using only visible ingredients in this kitchen, what recipe could you create?
  - Would you say this is a formal restaurant, informal, fast service? Explain.
Other VR Apps I am Loving!
More!
More ways to use in your classroom
Coming Up in March!

Thank you for joining in the #ARVRinEDU chat! You don’t want to miss #31DaysofARVRinEDU coming up in March. Subscribe at ARVRinEDU.com to get the resources sent to you each day.
Resources

Lise Galuga - http://galuga.ca/virtual-reality/


Learning Transported - Jaime Donally

Merge Educators Facebook Group

#ARVRinEDU Twitter chat and hashtag