VIRTUAL REALITY HEADSETS

Thank you for using the Ag in the Classroom Virtual Reality Headsets to educate about agriculture!

This classroom set comes with four components:

1. An iPad to “run” the Google Expedition
2. A Netgear NightHawk Wi-Fi Router to connect all of the headsets to the iPad
3. 30 Foam Merge Cube Viewer Headsets
4. 31 iPods, used as the viewing devices inside of the headsets

First, please begin by plugging the grey tote into an electrical outlet. This will charge the devices and provide power to the router.

Next, by unplugging the small white cord that goes into the end of each iPod remove the number of iPods from the grey tote that you will need during your presentation.

Third, make sure that the router has power and has the light on top lit.

The fourth step is to “turn on” the iPods by pressing the Home button at the bottom of the screen. Press it a second time and it will ask for a passcode. Enter “0” (zero) four times - 0000. This should bring you to the home screen.

The fifth step is to check each iPod that you are going to use to see if it is on the Netgear Wi-Fi network. They should recognize the network without you having to do anything. If the Wi-Fi emblem is not showing, or you can not get an iPod to connect, do the following:

SWIPE the home screen from left to right (-->). This will show the “Siri App Suggestions”. Tap on the icon called “Settings” that looks like a gear inside of another gear. This will open the iPod’s settings. Look for the Wi-Fi section, and choose “NETGEAR07” or “NETGEAR07-5G-1” if not selected already.

If the Wi-Fi section says “Not Connected” or any other network name, you will need to tap on the Wi-Fi section. This will open the menu to “Choose a Network”. You should see “NETGEAR07” and “NETGEAR07-5G-1” both listed as options. Choose one by tapping on the name. Two things could happen: It could join the Wi-Fi network that you choose automatically, or it could ask for a password. If it asks for a password, enter

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and then tap “Join”. If it does, you will see a blue checkmark beside the network name. If you do not see a checkmark by the network name, repeat the above steps using the other network. Once you are on one of the networks press the Home button. Then swipe from left to right (-->) and click on the icon for Expeditions as listed above.

Then press the Home button again, then swipe from left to right (-->) and tap on the icon that says Expeditions. It is white with a orange flag inside of an orange circle with four compass points.

Now you are ready to use the iPad (the larger device in the tote) to lead an Expedition. Press the home button and enter the passcode (0000) to bring up the home page. Check to see that it is on one of the networks as above. Swipe from left to right (--> to bring up the “Siri App Suggestions” and click on the Expeditions icon.

Tap the word “Library” at the bottom of the iPad screen. Now tap on “Downloads” at the top of the screen. Choose which Expedition you would like to lead.
CONDUCTING AN EXPEDITON

Select which Expedition you would like to lead from the library. The RSPCA Assured Chicken Farm one is a good one to start with.

Tap on your choice and the iPad should bring up a screen that gives you three options:

View
View in VR
Guide

Select “Guide” to lead the group. Choose view if you just want to see what it looks like on the iPad.

Once you tap “Guide” the iPad screen will change and show a popup that says “You are guiding as tennaitc@gmail.com (and a four digit number).

Tap “Got it” to proceed.

Your screen will change again, and in the bottom right corner will be an orange circle with a white triangle in the center. This is the “play” or “start” button. Once you press this button, the iPods will be ready to connect. Do this by making sure that the Expeditions app is open. Choose “class” at the bottom of the screen. The screen will change and ask you if you want to join the Aginthe Classroom expedition. Tap “join” on each iPod that you want to use. The screen will ask you if you trust this guide. Tap “join” again. The iPod screen will instruct you to turn the iPod sideways and put it into the viewer, making sure to have the screen facing the inside (towards the wearer’s eyes).

Now you can hand out the headsets from the suitcase to the participants. The black buttons on top and bottom of the headsets can be adjusted in and out (narrower and wider) to help the wearer focus the images better.

As the Guide, you can read the script that is located on the right side of your iPad screen if you like. I usually just mention what they are looking at and then have them direct their attention at certain points by pressing the circles next to the titles: “Broiler chicken” or “Growth Rate”.

To move to the next picture, you swipe from right to left (<-->) and then press the “play” button again. You can go through all of the pictures in order, or jump around if you want. I usually “warn” the wearers that I am going to “change” what they are looking at, so they know to be ready and not get dizzy.

When it is time to change participants, just have them take off the headsets and lay them on the table. You do not have to restart each time. The next participants can start where ever you left off last time.

To end the day, just remove the iPods from the headsets and return them to the grey tote. Plug each iPod in to a cord and press the “off” button at the opposite end of the iPod. Insert the iPod into the white holder in the grey tote. You can return the foam Merge Cube Viewers to the suitcase, with the majority of them zipped in behind the divider. The remaining headsets can be laid on top of the divider. Then just fold the suitcase closed and zip it shut. It can be stood up on its end and rolled to your car.

If you have any problems, after looking over the instructions call Chris Fleming at (931) 212-7266. You can also send a text to the same number. Thanks, and good luck!!
Chris