

VR Headset Information

VR Kits – What's Included

- Orange VR Case – 8 headsets, plug in cord, 2 headbands, 8 joysticks (in boxes, not currently used)
- Tote bag – 4 mats, wipes, lens cleaner
- Instruction Manual

ClassVR Website

[Portal.classvr.com/login](https://portal.classvr.com/login)

Log In

Email: development@tpet.ca

Password: Te@cherspet#1

Get to Know Your Headsets

This is a great guide to walk you through the headsets. There are a couple of differences from our specific headsets (i.e., one of the side buttons), but most of the details in the guide are consistent. The document has more information than you need, but it is a great resource.

https://www.classvr.com/wp-content/uploads/kb/ClassVR_Userguide_CVR_255-64_english.pdf

Please have a look through it in addition to reading the bullet points outlined below.

Headset Case

- Place the orange case on a stable, flat surface that will support its weight (~ 25 lbs.) or leave it on the floor.
- Orient the case with the TPET sticker facing up, opening latches in front of you.
- Open the case by pressing down on the tabs inside the latches and pulling them up.
- Lift the lid.
- There is a black charging unit on the back left corner of the case.
- The case fits 8 headsets in 2 rows of 4 – one row in the front part of the case and one row towards the back of the case.
- The headsets slide in "foam to foam" in the case, with the USB-C power port facing up.
- USB-C power cords should come from the corner charging unit to each headset as it is placed in the case.



Storing the Headsets

- Please store these in a secure, dry, room-temperature location, out of direct sunlight.
- **Never** leave cases in car (risk of theft, or damage due to cold). Take them into the school with you, even if you are not doing a presentation with them.
- Cases must **never** be left outside or in a garage.

Removing/Replacing the Headsets from Case

- Disconnect the USB-C power connector on each of the 8 headsets.
- The row of 4 headsets closest to the front of the case rests slightly higher in the case than the row of 4 at the back of the case. It is easier to remove a headset from the front row of the case before trying to remove the one directly behind it in the back row.
- Gently remove the first headset from the case.
- When it is time to replace the headsets in the case, the reverse is true - place the headset in the back row before placing the headset directly in front of it in the front row.

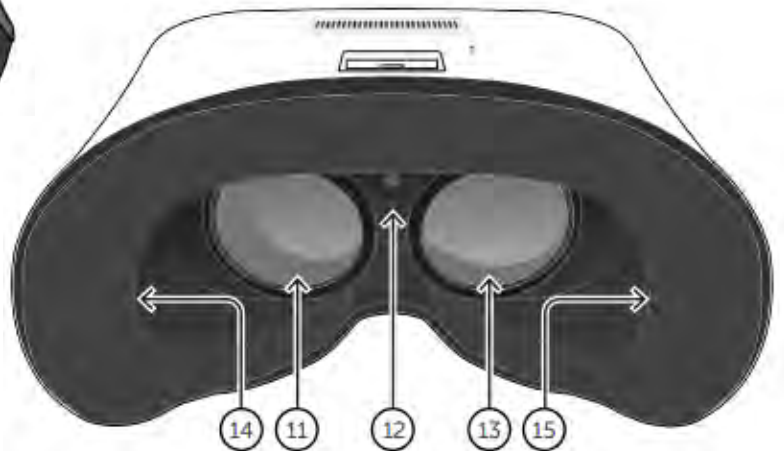
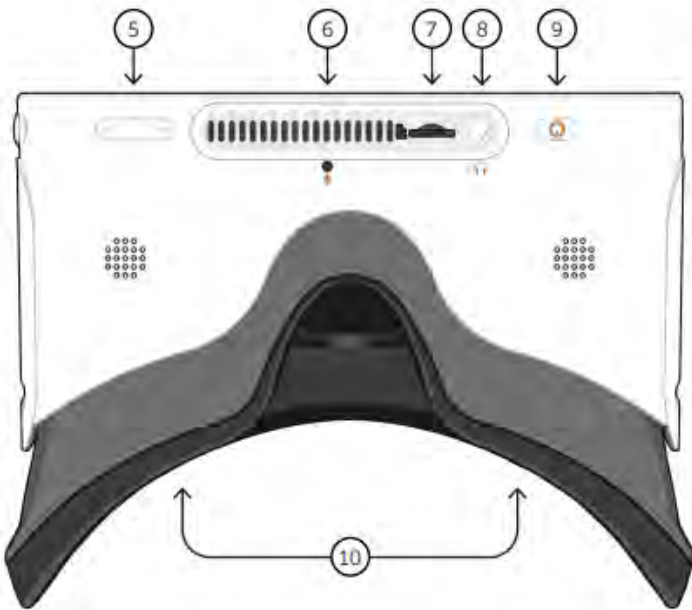
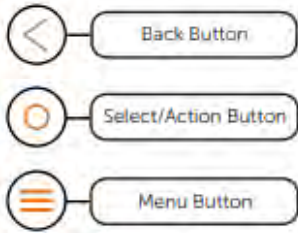
The Headsets

- This visual will help familiarize you with the headsets. Please note, the headsets in your kit are NOT exactly like the one in the image. The differences are noted below:
 - Head straps – we have removed the head straps for the purpose of our field trips. There should be 2 included in your kit should you have students with mobility issues or the like, who required a head strap to participate. Generally, there should be no head straps used.
 - Side button controls:
 - Back – returns to the previous screen
 - Select – chooses that icon (like clicking with a mouse on a computer)
 - Menu – our headsets do not have the menu button noted on the picture. The button we have is not functional for our purposes.
- Legend (for the images on the next page):

1. Head Strap	6. Microphone	11. Left Headset Lens
2. Headset Buttons	7. Micro USB Slot	12. Proximity Sensor
3. Camera	8. 3.5mm Headphone Out	13. Right Headset Lens
4. Microphone	9. Power Button	14. Left Speaker
5. Volume Up/Down	10. Face Padding	15. Right Speaker



Side Buttons (2)



Powering Up the Headsets

- The power button is located on the bottom of the headset. Press and hold the button for about 5 seconds to power up the unit.
- If you look through the headset you will see an orange screen with an infinity symbol twist as it powers up.
- It takes about a minute to boot up completely.
- Once the headset is booted up, you will see the home screen or lobby when you look through it.
- This is where you will navigate to:
 - Open images/videos that are loaded onto the headset.
 - Scan the QR code to connect the headset to your home wi-fi.
 - Check that you are connected to Wi-Fi.
 - Power off the headset.
 - View the amount of charge left on the headset battery.
- You should be able to look around the home screen (or lobby) if you turn your head.



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| <p>① VR Experiences Immerse your class in a huge variety of Virtual Reality experiences, either from the provided collections or create your own using the ClassVR Portal.</p> <p>② QR Code Scanner Used to quickly switch between collections of VR experiences.</p> <p>③ Wi-Fi This icon indicates connectivity.</p> <p>④ Battery Level Shown as a percentage.</p> | <p>⑤ Bluetooth This icon shows if Bluetooth is enabled (disabled in some regions).</p> <p>⑥ ARC App Load up preconfigured Augmented Reality activities.</p> <p>⑦ Device Information Quickly display information about the headset.</p> <p>⑧ White dot (reticle) Treat this dot as your select tool to highlight items you wish to open.</p> |
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Navigating the Home Screen

- When you look through the viewer, you will see a white dot in the centre of your view. It moves with you as you look around the environment. This is your cursor.
- The white dot gets larger if you place it on an icon (i.e., one of the images loaded on the headset).
- You select an icon by clicking the select button on the side of the headset when you have the cursor on that icon. This loads the image or opens the screen associated with that icon.
- When you have TPET playlists loaded onto the headset, you will see icons for one of our VR programs at the top of the home screen (e.g., Mount Edith Cavell).

Powering Down the Headsets

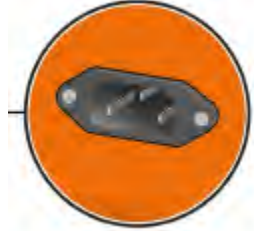
- The power button is located on the bottom of the headset. Press and hold the button for 3 seconds.
- Look through the headset. You will see two icons – “Power” and “Restart”.
- Place the white dot on the Power icon and select it using the select button on the side of the headset.
- The headset screen will go blank and the indicator light on the side of the headset will turn off (it is blue if the headset is turned on and active).
- The headset is now powered off.
- Turn off your headsets at the end of each field trip to store back in the case. It is not necessary to turn them off between each station rotation.

Charging the Headsets

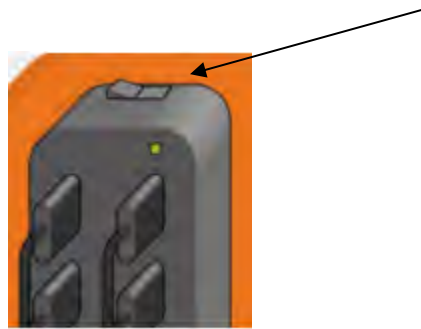
- Charge headsets in preparation for each Field Trip. If possible, charge them between Field Trips if you have a VR field trip on both morning and afternoon on same day.
- Headsets charge while in the case.
- Turn off all headsets – power down by selecting the power icon when viewing through the headset.
- To charge the headsets, all 8 should be placed snugly in the spots in the case, each with its USB-C power connector cord connected into the USB-C port on the top of the headset (i.e., the top of the headset when it's in its resting place in the case).



- Plug in the thick black connector plug (with 3 connection holes) into the connection port on the **outside** of the case. The connection port is on the same side as the case's wheels.



- Plug the other end of the black connector plug (2 prongs) into your wall electrical outlet.
- Turn on the black charging unit in the back left corner of the case - turn on by depressing the "I" side of the toggle switch. Depressing the "0" side of the toggle switch is to turn off the charging unit.



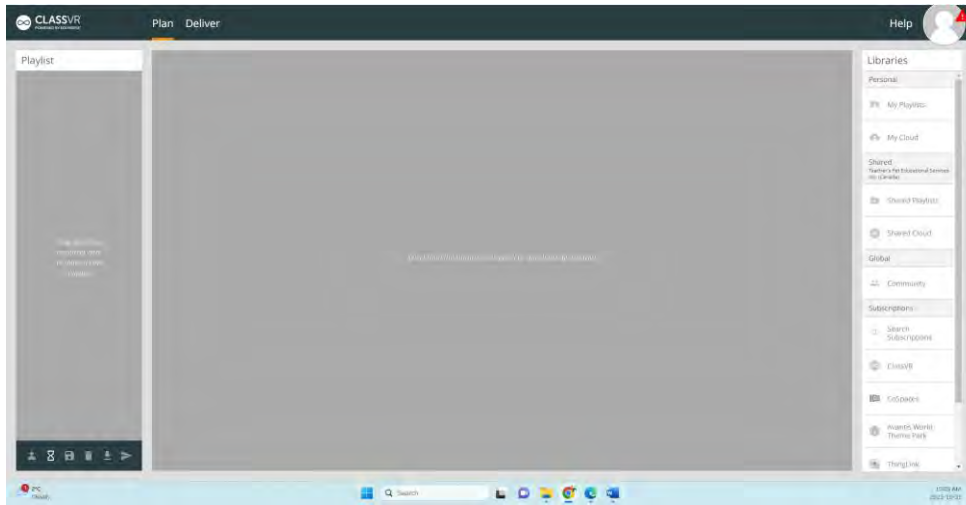
- Keep the case open while the headsets are charging, to help keep the units cooler.
- Each headset has a charging indicator light beside its USB-C port:
 - **Green** – fully charged
 - **Yellow** – charging
 - **Red** – low charge
 - **Blinking green/yellow** – the headset is still powered on and trying to charge while on. Unplug the headset, power it down, then return it to the case and plug it back in. It should now show a solid green/yellow/red light.





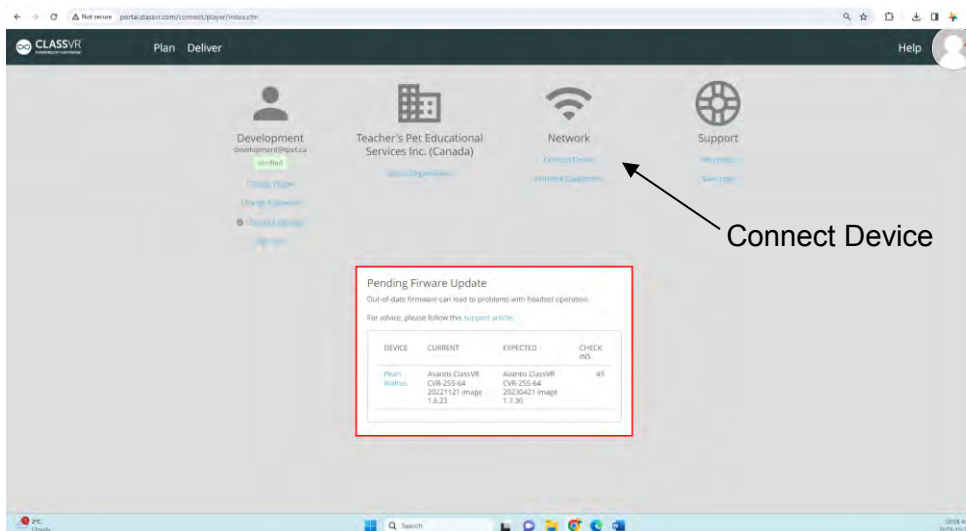
Connecting Headsets to you Wi-Fi

- Log in to the ClassVR portal:
 - portal.classvr.com/login/
 - Email: development@tpet.ca
 - Password: Te@cherspet#1
- Click on the Settings/Account icon in the top right corner.



Settings/Account

- Click on the **Connect Device** link under the Wi-fi symbol.



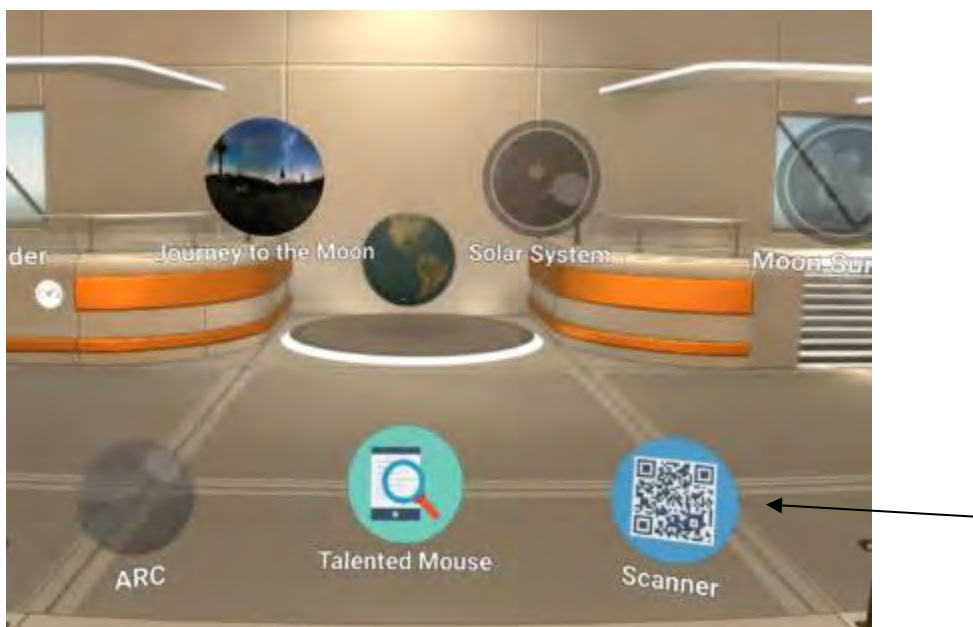
Connect Device



- You will need to enter your home wi-fi name and password.



- This will create a QR code for the headsets to connect with your wi-fi, allowing you to load playlists onto each headset.
- You will need to scan the QR code with EACH headset individually to connect them to the wi-fi.
- Pick up the first headset and power it on.
- Look through the headset viewer and using the cursor and the select button (on the side of the headset), select the scanner icon on the lower row.



- You will see the outside (real) world through the viewer.
- Turn your headset to the computer screen and look at the QR code. The headset should recognize the QR code on the computer screen.
- It will immediately go back to the home screen (or lobby) but will be connecting to the Wi-Fi.
 - It will flash “Adding Wi-Fi Connection _____” (with the name of your Wi-Fi in the blank).
 - Once it is connected it will flash “Device Enrolled”.
 - This may take a few minutes, and the home screen may go dark for part of the time (goes asleep while you’re not looking through the viewer).
 - Once it is connected, the home screen (lobby) in the headset will show that it has a Wi-Fi connection. It shows the connection when the Wi-Fi connection indicator is white (not greyed out).
 - This may take a few minutes.

NOTE: Sometimes the headset may re-boot itself during the connection process. When the home screen reappears, the Wi-Fi connection indicator should automatically show white (not greyed out) indicating Wi-Fi connection.



Firmware and Software Updates

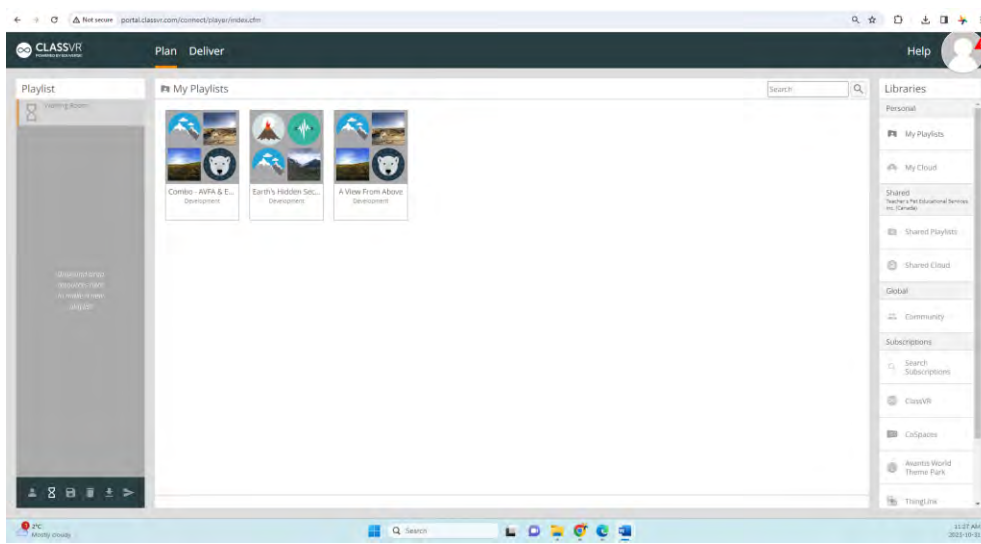
- The headsets occasionally need firmware or software updates for optimal operation.
- TPET will let you know when your headsets need an update.
- The updates will occur automatically when your headsets are powered on and connected to Wi-Fi.
- When your headsets need an update, you will need to power them on and connect each one to your Wi-Fi. The update should then proceed automatically and may take up to an hour or so to complete.

See this link for further information: <https://support.classvr.com/articles/firmware-software-update/>.



Downloading Playlists to the Headsets

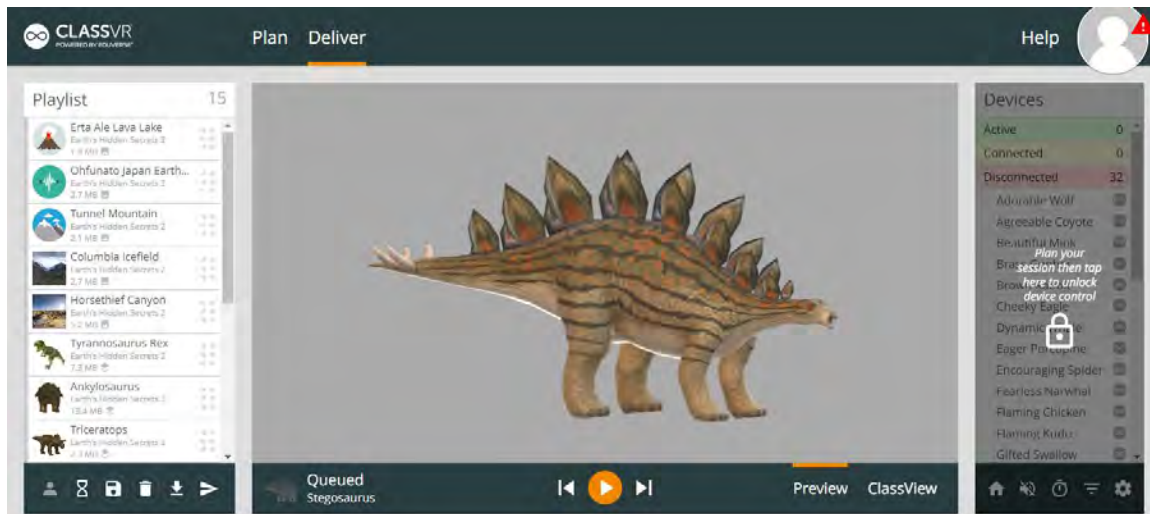
- Log into the ClassVR portal:
 - portal.classvr.com/login/
 - Email: development@tpet.ca
 - Password: Te@cherspet#1
- Click on the **Deliver** tab at the top of the page.
- On the right side of the screen there will be a list of all the headsets connected to your Wi-Fi and to the portal.
- You are now ready to load a playlist onto all of the connected headsets.
- Confirm that all 8 of your headsets are connected to the portal.
 - Troubleshooting if a headset is not connected:
 - Completely power it down and restart it – holding down the power button for 10 seconds or using the power off selection from the headset lobby will completely power off the headset.
 - Walk through the connecting to wi-fi instructions again with that headset.
- Once all of your headsets are listed, click on the **Plan** tab at the top of the screen.
 - If you still have trouble with a headset, continue to download the playlist on the other headsets and contact the office about the headset giving you trouble.
- Click on **My Playlists** in the “Libraries” right-side menu.
- You will see 3 playlists currently available (more may be added as additional VR programs are created/added):
 - A View From Above
 - Earth's Hidden Secrets
 - Combo – AVFA and EHS (both)



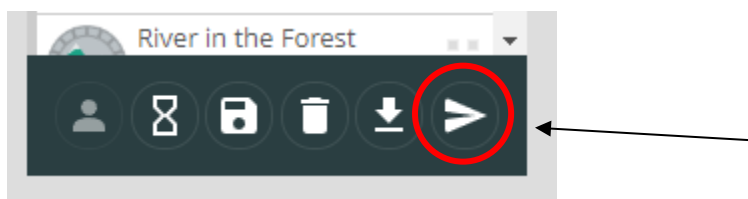
- Click and hold on the playlist you need to load onto the headsets. Drag it to the column on the left side of the page.



- The Combo playlist has a combination of images/videos for both programs, only use this playlist if you have BOTH programs scheduled on the same day.
- Once you drop the playlist in the column, all of the icons and images/videos will populate the column.
- Return to the **Deliver** tab.
- You can double click on any of the images/videos in the playlist to view it on the main screen under the **Deliver** tab.



- Confirm that all of the headsets are still connected. You should see the names of all 8 headsets under the “Connected” header on the right-hand side column.
- Click on each of the 8 headset names to select them for the playlist download.
- Download (or send) the playlist to the headsets using the “airplane” button at the bottom of the column on the left.



- You are now downloading the playlist to all 8 of the headsets. This will take some time, but you should see the progress of download on the name of each headset in the “Devices” column on the right side of the screen.
- Once the download is complete, check the home screen (or lobby) on each headset. You should see that the icons from the playlist are now shown. If an icon is greyed out, it is not completely loaded.
 - Select that icon and it should complete downloading.
- You are now ready for the field trip.
- Power off all the headsets and return them to the case. Plug them in for charging.
- Plug in the case. *Remember to turn on the charging station inside the orange case*



Classroom VR Rules/Guidelines

- Always have students sit on the ground with the mats in front of them (i.e., in a circle). Students will share a mat – 2 headsets/mat.
- Have students remain seated throughout the station while looking through the headsets. They are welcome to spin around on their bottoms or look left and right to see more of the image they are viewing.
- Try to set up the VR station near the smartboard (in case you need to use it for alternate activities during the field trip), away from direct sunlight. Direct sunlight can make the viewing experience more challenging, and it will damage the lenses in the headset.
- Explain that they must be gentle with the headsets, they are fragile.
- Students must never touch the lenses inside or the camera on the front of the headset. These are especially sensitive.
- Students must use the wrist strap when handling the headsets:
- Always use 2 hands to hold the headset up to their face.
- Show students the “Select” and “Back” buttons on the side of the headset. This is how they will navigate to specific images.
- Explain/Show students the white dot cursor and how it highlights specific things inside the headset for them to select (or click on).
- Students must follow along with the group – you will instruct them on which images to view first and can then give them some “free time” to look at any images they want to.
- When students are finished with the headsets, have them place the headset on the mat. The headset should rest on its TOP (the top of the headset when looking through it). **DO NOT** rest the headset on its front (where the camera lens is). This may damage the camera lens.
- Only when they are finished looking through the headset should students remove the wrist strap.
- Return the headset to the case once a student is finished with it. Do not leave headsets unattended on the mats on the floor.
- At the end of the field trip, power down each headset (inside the viewer) and place it back into the case. Plug in the USB cord so it is ready to be charged when you are home.

