

Lead a Virtual Field Trip with Google Expeditions

(Turn off VPNs before attempting this workshop)

Note: The student and the instructor must be on the same network for this to work.

Starting the Expedition

- 1) The teacher connects to a **Wi-Fi network**
- 2) The instructor open the **app**
- 3) Ideally, the students connect to a common **Wi-Fi network**
- 4) The students open the **app**

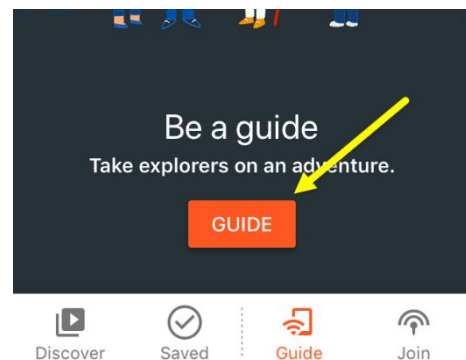


The first time the app is launched; users read and accept the conditions. Tap **I ACCEPT**

- 5) The **teacher** chooses the **GUIDE** icon



- 6) The **teacher** chooses the **GUIDE** button



- 7) The Guide locates an appropriate **tour**
- 8) The Guide taps on the **tour**



- 9) A **Download icon** appears on the tour image. As the tour downloads a circle indicates the progress of the download.



- 10) The instructor taps on the **Start icon**.

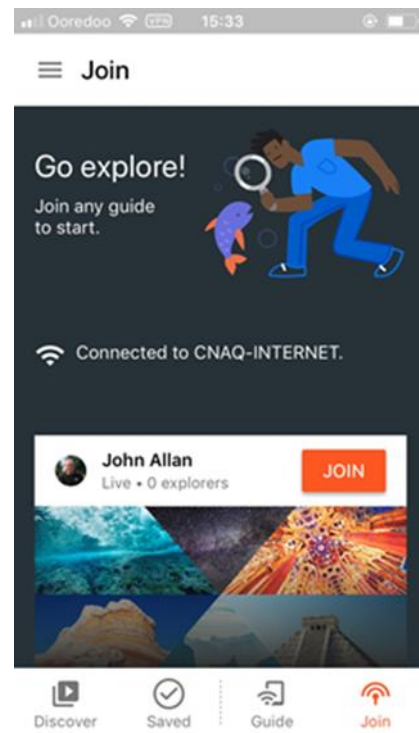


- 11) Students click on the **Join icon**



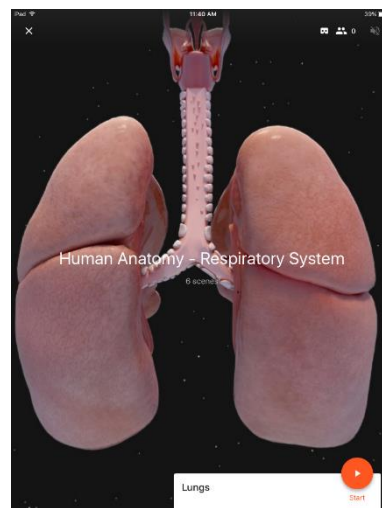
- 12) **Students** locate the tour on their screen

- 13) Tap the **JOIN** button.

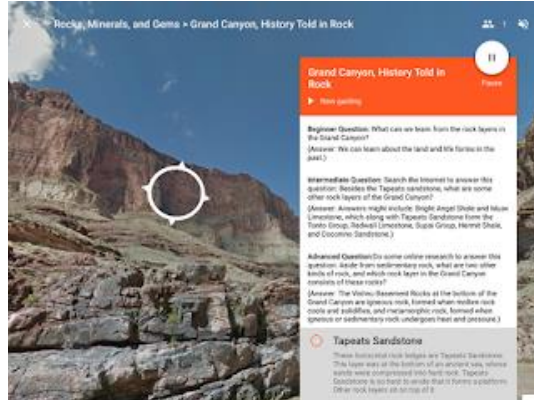


- 14) The student becomes an **Explorer**

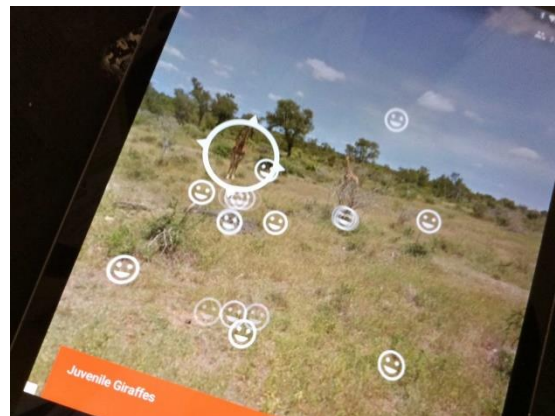
- 15) The **first scene of the Tour** appears




- 16) The students are instructed to place their smart phone into their cardboard viewers
- 17) The students should see the first **tour space** in their viewers
- 18) The Guide reads the tour card from his/her device
- 19) The Guide can tap on specific items on the tour card to draw attention to specific places.
- 20) It is important to give the students time to locate the focus of attention via an arrow and a navigation icon.



- 21) On the Guide screen, small Happy Face icons indicate where individual students are looking



- 22) To move forward on the tour, the Guide swipes the tour card to the left. The next item on the tour card appears
- 23) At the right of the tour card is a small doodle/scribble icon.  This is called the annotation tool. Tap and drag on the screen to highlight (annotate) specific parts of the scene
- 24) To clear the annotation, tap on the Reset button
- 25) After the tour scenes are complete the tour is complete
- 26) The Guide selects the X link at the top left side of the screen to leave Google Expeditions
- 27) The Guide taps **LEAVE** in the **Leave Expedition?** pop up

Annotation tool

Human Anatomy - Respiratory System > Ai...

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Current topic

Air Exchange

▶ Now guiding Pause

The lungs work with the heart to make sure our bodies have enough oxygen. The heart pumps blood that doesn't have enough oxygen into the lungs, where it reaches the alveoli. There, the blood leaves carbon dioxide and picks up oxygen. Then, the blood is returned to the heart where it is pumped out to the rest of the body.

Leveled questions

Beginner Question: How do the heart and lungs work together?
(Answer: The heart pumps blood into the lungs where the blood gets oxygen, and then returns to the heart. The heart pumps this blood all over the body.)

Intermediate Question: Explain how blood gets to the lungs and what happens there. Name at least 2 important parts of lungs.
(Answer: The heart pumps blood into the lungs through capillaries to the alveoli. There, the alveoli fill up with air and oxygenate the blood.)

Advanced Question: How does the circulatory system interact with the respiratory system?
(Answer: The heart, which is part of the circulatory system, pumps blood from veins into the lungs where the blood receives oxygen. Then, the lungs return the oxygenated blood to the heart, which pumps the blood through arteries to the rest of the body.)

Student viewing

The Circulatory System Works with the Respiratory System

The veins carry blood to the heart. In the image, the veins are blue as they lack oxygen. Arteries carry blood that has been oxygenated in the lungs back out to the body. The heart pumps the blood.

Respiration

The alveoli fill up with air like tiny balloons. You can see here the tiny capillaries full of deoxygenated blood around the alveoli. Here, the blood becomes oxygenated. This process is called respiration. It is the way that oxygen gets into the body and carbon dioxide gets out.

Specific place notes

Previous scene

Next scene