

Challenge 4: There Is an App for Class

Suggested Resources

VIDEOS

Use your Internet browser to search for videos to show during class using the terms “how to make an app for beginners,” “software engineer,” “wire frame,” “most popular apps,” or “app specification sheet.” Conduct this search prior to class to verify the content is appropriate for the class and the challenge.

WEBSITES

Geekflare

<https://geekflare.com/>

Suggested search keywords: mobile app without coding

Math is Fun

<https://mathsisfun.com/>

Suggested search keyword: survey

Research Gate

<https://researchgate.net/>

Suggested search keywords: computational thinking

SOLTECH

<https://soltech.net/>

Suggested search keywords: mobile app

Texas Career Check

<https://texascareercheck.com/>

Suggested search keywords: software developers

Challenge 5: Tapping into Clean Water for All

Suggested Resources



ARTICLES

United States Environmental Protection Agency. (2004, June). *Water filtration* [Lesson plan]. Retrieved from <https://www.epa.gov/ground-water-and-drinking-water/water-filtration>

USGS. (n.d.). *Turbidity and water* [Website article]. Retrieved from https://www.usgs.gov/special-topic/water-science-school/science/turbidity-and-water?qt-science_center_objects=0#qt-science_center_objects



VIDEOS

Use your Internet browser to search for videos to show during class using the terms “measuring turbidity” or “turbidity.” Conduct this search prior to class to verify the content is appropriate for the class and the challenge.



WEBSITES

Centers for Disease Control and Prevention

<https://cdc.gov/>

Suggested search keywords: healthy drinking water

Texas Career Check

<https://texascareercheck.com/>

Suggested search keywords: environmental scientist, environmental engineer, environmental engineering technicians, hydrologist, wastewater