Challenge 1: Optimizing Automobiles

Suggested Resources

VIDEOS

Use your Internet browser to search for videos to show during class using the terms "car innovations," "making mousetrap cars," "physics efficiency," or "mechanical engineer." Conduct this search prior to class to verify the content is appropriate for the class and the challenge.

WEBSITES

CTE Online

https://cteonline.org/

Suggested search keywords: mousetrap car

DesignNews

https://designnews.com/

Suggested search keywords: auto innovations

Instructables

https://instructables.com/

Suggested search keywords: mousetrap car

National Highway Traffic Safety Administration

https://nhtsa.gov/

Texas Career Check

https://texascareercheck.com/

Suggested search keywords: mechanical engineer

Challenge 2: Living on the Edge: Man vs Fire

Suggested Resources

ARTICLE

NASA. (2019, September 10). Satellite data record shows climate change's impact on fires [Website article]. Retrieved from https://climate.nasa.gov/news/2912/satellite-data-record-shows-climate-changes-impact-on-fires/

VIDEOS

Use your Internet browser to search for videos to show during class using the terms "ratios and percent" or "solving problems with percent." Conduct this search prior to class to verify the content is appropriate for the class and the challenge.

WEBSITES

Use your Internet browser to search for resources using the terms "fire science careers."

InciWeb - Incident Information System

https://inciweb.nwcg.gov/

Smokey Bear

https://smokeybear.com/en

Texas A&M Forest Service

https://tfsweb.tamu.edu/default.aspx

Texas Career Check

https://texascareercheck.com/ Suggested search keyword: fire

U.S. Forest Service

https://fs.usda.gov/