Oklahoma TSA STEM Activities

Created by Oklahoma TSA

TSA & STEM

- TSA focuses on STEM, so we encourage our chapters to partake in STEM Activities outside of our yearly competitions.
- STEM is integrated in nearly all aspects of everyday life which is why we have provided a few resources for members and advisors to utilize throughout the year.

Grades 1-7

- Popsicle Stick Bridge Build
  - https://www.busykidshappymom.org/unplugged-play-build-bridge-challenge/
- Cloud in a Jar
  - https://www.giftofcuriosity.com/weather-science-how-to-make-a-cloud-in-a-jar/
- Code.org
  - https://code.org/
- Lightbot
  - https://lightbot.com/flash.html
- Crystal Suncatcher
  - https://babbledabbledo.com/science-kids-crystal-suncatcher-craft/

Grades 8-12

- Video Game Physics
  - https://fnoschese.wordpress.com/2011/06/16/angry-birds-in-the-physics-classroom/
- Stem activites
  - https://www.jpl.nasa.gov/edu/teach/tag/grade/11%2C12
- Harnessing electricity
  - https://smile.oregonstate.edu/lesson/electrochemistry-harnessing-electricity-chemical-reactions
- Hour of Code
  - https://hourofcode.com/us
- Tinkercad
  - https://www.tinkercad.com/learn