

The Daily STEM

Volume 3 Issue 15

January 24, 2021

STEM in the News

Do you or someone you know use a wheelchair to move around? A Nashville songwriter stopped his music career to help create a better electric wheelchair for his 19 year-old daughter with cerebral palsy.

Thousands of wheelchair users are hurt each year, many from trips or falls. He applied modern technology to improve the safety of wheelchairs. Betsy, a 6th grader in

Alabama, is one of the first users of the LUCI wheelchair technology. "This is very exciting. Now there's no risk of me hitting my puppy, my siblings or my walls -or going off any curbs." The wheelchair uses radar, cameras, and sensors to prevent accidents. It can also send a message to someone in case of an accident. How could you improve wheelchairs or some other assistive device? Learn more: bit.ly/2M1LPfY



STEM + Advertising

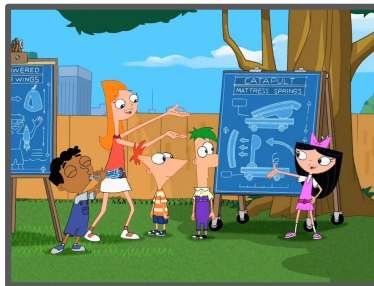
Have you ever watched the Super Bowl? The NFL football championship attracts more viewers than any sporting event except the World Cup. Normally, businesses are eager to buy the expensive advertising time during the Super Bowl. This year, some companies like Budweiser, Pepsi, Audi, and Avocados from Mexico will not spend the \$5.5 million dollars for a 30 second ad. It's also tough to create ads safely right now. Instead, some are using money to help with pandemic relief or vaccines. Others, like Coke, don't want to spend for advertising because they've had to lay off workers because their sales are down. Coke sells almost half their products in theaters, restaurants, and stadiums, all places that have been closed for months. How could you help people with the \$5.5 million? Learn more: bit.ly/3qSqjJw



STEM Challenge

Have you ever felt bored? Like there's nothing to do? If you've ever watched Phineas and Ferb, you know that boredom ends when you use your imagination. Phineas always says, "Hey Ferb, I know what we're gonna do today!" and then they start building some sort of wacky invention.

Sure, you might not be able to build a roller coaster or giant robot dog in your backyard, but you can build something. So, what are you going to build today?



How It's Made

Did you ever make a puppet? You can easily use a paper bag or a sock to make a puppet. Barnaby Dixon started making puppets in his room at age 24 using bits of plastic and metal. His puppets attach to his hands. He uses them to create fun videos. Can you make a puppet and let them be a video star? Learn more: youtu.be/wCNZy2bNRi8



The Puzzle

$100 - 99 + 98 - 97 + 96 - 95 + 94 - 93 \dots + 2 - 1 =$

Last issue's answer: $Z = 0, Y = 9, X = 1$

Mystery Photos

What's under the microscope?
(answer in next issue)

Last issue's answer:
Whiteboard marker, Battery,
and birdseed

