

The Daily STEM

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STEM in the News

What's the best way to film wild animals? The PBS show "Nature: Spy in the Wild 2" was able to get close up by using robotic cameras! And not just any robots, these were specially designed robots that look like baby gorillas, seals, & even a hummingbird. The wild animals didn't even realize they were being filmed as they ate, made funny noises, or beat their chests. What If you had to design a robotic animal to film some wild creatures? What would it look like? What materials would you use? What would be important to remember? Learn more: bit.ly/3fi63vJ



STEM + Star Wars

Did you ever watch a Star Wars movie and wonder how the heroes dodged the laser blasters? Can a person move that fast? Mythbusters timed how long it took a laser blast in the movies to travel and used some simple math to find the speed. Then they built a dart launcher powered by air to see if they could dodge. Do you think it worked? Watch: bit.ly/2ytwLAO



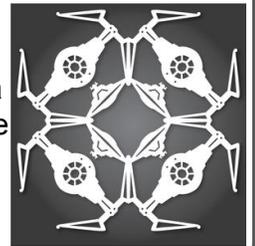
This is Engineering

What is Engineering? "Engineering is at the cutting edge: from robotics, machine learning and artificial intelligence, to mobile phones, medical technology, advanced sports equipment and driverless cars, engineering is shaping the future all around us." The website thisisengineering.org shares stories of real engineers like Olivia (who works with scents for Lush Cosmetics) and Jahangir (who fixes technology at the BBC). See their stories & learn how "engineering is for everyone: whatever your background and whatever you love – whether it's fashion, film, sport, music or technology."



STEM Challenge

Even if it's not winter, it's fun to use scissors and paper to make your own snowflakes! If you want to be really creative, go to bit.ly/30dcnxB to download some Star Wars snowflake patterns. Yes, you can make Baby Yoda snowflakes! They're the idea of Anthony Herrera, a "geek, dad, designer, & artist." If you're not into Star Wars, there's also Harry Potter, Frozen, and Guardians of the Galaxy designs too! Just don't forget to pick up your mess when you're done cutting!



Star Wars Jokes

Which Star Wars movie takes place in Italy?
What did Obi-Wan say at the rodeo?
What do you call a robot that takes the longest route?
Why are there no stairs in the Death Star?
What's a Jedi's favorite car?

Answers in code (D=a, E=b, F=c)
Wkh Skdqwrp Yhqfth.....
"Xvh wkh kruvh, Oxnh!".....
U2-Ghwrxu.....Hyhubrqrh xvvh wkh Hoh-Ydghu....D Wrb-Brgd



The Puzzle

A mango tree has 24 branches. Each branch has 12 boughs. And on each bough is 6 twigs. If 2 mangos grow on each twig, how many mangos are on the tree?

Last week's answer: 24 combinations were possible with the letters S T O P...and there were 6 4-letter words (STOP, POTS, TOPS, POST, SPOT, & OPTS)

Mystery Photo

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

Last issue's answer:
A headphone jack, bandana, and a cork

