

the Daily STEM

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STEM in the News

If someone asked you to draw a truck, it would probably look similar to everyone else's drawing. But Elon Musk, the man in charge of Tesla cars has made a new truck that looks much different. How is it different?



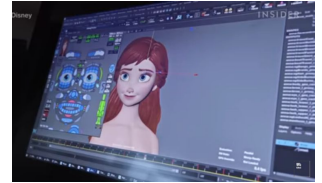
Most truck bodies are made from steel, aluminum, or plastic. The CyberTruck will be stainless steel, which means it can be hit with a sledgehammer and won't dent. It's windows will be shatterproof (even though they broke during a demonstration). It has a 17-inch touchscreen on the dashboard. It doesn't have mirrors to see behind, just cameras. It even has a special camping attachment!

What if you could design a truck, what features would it have? To learn more: fxn.ws/33ZpAtR



STEM + Frozen 2

Have you seen Frozen 2 yet? Moviegoers have spent almost \$1 billion watching the movie in its first 3 weeks in theaters. It will become the 6th "billion dollar movie" for Disney. But what does it take to make a movie like this? It took 6 years and 75 animators to create a sequel this good. But what it really took was a lot of new technology and some old-fashioned research.



New computer programs were created to make hair and water look more real. Hair has to move in different ways depending on the weather or motion. Faster computers also allowed more detail on clothing, where even the stitches are now visible. They even traveled to countries like Norway and Finland to see landscapes.

They wanted everything to look perfect. They even went skydiving to see what characters floating on wind would look like. Would you like to make movies? Watch this video to learn more about how Frozen 2 was made: bit.ly/2DWsRQ3

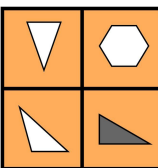


STEM Challenge

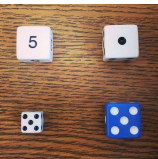
Here's a challenge...can you explain which of the four numbers doesn't belong?

9	16
25	43

Or which of the four shapes doesn't belong?



Or which of the four dice doesn't belong? Maybe you realized that each group of 4 has multiple answers. Can you make your own group of 4 numbers or shapes that has something that doesn't belong?



To find more of these puzzles, head to: wodb.ca

Mystery Photo

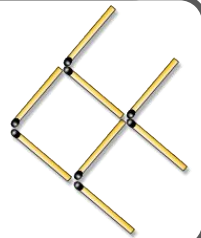
What's under the microscope?
(answer next week)



Last week's answer:
Pumpkin seed

The Puzzle

Can you make this fish swim the other direction by only moving 3 matches?



Last week's answer: If eggs cost \$0.12 per dozen, you can get **100 eggs** for \$1.00

STEM Superheroes

Do you like superheroes? We all know Wonder Woman, Supergirl and Catwoman...but have you ever heard of Sonya Carey? She's a STEM superhero, one of 26 real life people with amazing STEM jobs in the new book *Everyday Superheroes*. People like Sonya Carey who helped design *The Princess & the Frog* or Sonia Lo who raises vegetables in vertical indoor gardens. Every day, people do amazing jobs with STEM, from Astronomers to Zoologists. What kind of super STEM job would you like to learn about? Find more information at: erinedu.org/my-books/

