

the Daily STEM

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STEM + Storms

Storm chasers are people who follow big storms, like tornadoes, to learn more about the weather. Ryan Shepard was studying to be a pilot, but some friends took him with them to chase a storm. Ryan realized he really liked weather and started studying meteorology. "Every storm is a new discovery, it's something that nobody has seen



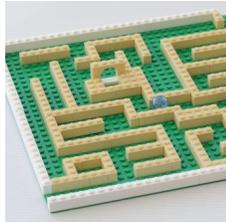
before." He even got to work on an IMAX film called *Tornado Alley*. It was there he saw a special vehicle built to resist bad weather. He was recently able to purchase the vehicle and plans to use it to study more storms. It has bulletproof windows, spikes that can be lowered into the ground, and 2 inch thick metal walls. Storms are very dangerous, but filled with science!

To learn more: cbsloc.al/2tpIo9L

STEM Challenge

Here's 4 different Five Minute STEM Challenges you can try with your classmates or friends:

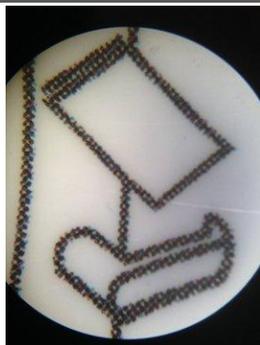
- 1...Using only legos and a large baseplate, build a maze for a marble to get through
- 2...Using 50 pennies, build the largest archway
- 3...Using any (or all) of the following numbers (1,2,2,3,6,7) and symbols (+, +, -, -, x, ÷) try to find as many ways as possible to equal 10
- 4...Using only cardboard tubes and tape, try to build a marble run that takes 30 seconds to go from 4 feet up down to the floor



Mystery Photo

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

Last issue's answers:
A slice of carrot



STEM in the News

Have you ever seen a Fitbit? Its a small device you can wear like a watch that keeps track of your heartbeat, steps, and sleep. Researchers think it can also predict if people get the flu. If the Fitbit showed that a person's sleep was more than normal and their heart rate was at or above their normal for a week, they often had the flu. Noticing who is sick quickly is important to stop it from spreading. Every year, 3 to 5 million people get the flu in the world. What else do you think could be predicted with a Fitbit? To learn more: reut.rs/2TEQAxu



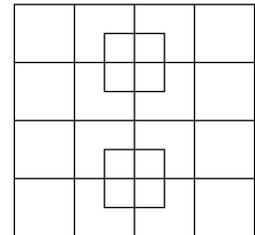
Incredible Inventions

What if instead of making a castle from cardboard and hot glue, you could make one with crackers and cheese? Lucas Lappe and Avi Bajpai were using hot glue and wondered why not try it with cheese. They invented the Fondoodler. Just insert a cheese stick or chunks of your favorite cheese into the device, wait for it to warm up, then start creating sculptures you can eat! What other kitchen invention could you make? Learn more fondoodler.com



The Puzzle

How many squares are in the drawing



Last week's answer:

Total \$37.02...there were

only 3 people...a grandpa, two dads (one of which was the grandpa) and 2 sons (one of which was the dad)

The Quote

"The function of education is to teach one to think intensively and to think critically. Intelligence plus character – that is the goal of true education"
-Martin Luther King Jr

