

The Daily STEM

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STEM in the News

Have you ever visited a farm? Or maybe you have a garden in your yard or neighborhood? In the future, many farms could grow a large amount of food indoors in specially designed greenhouses. AppHarvest built a 60 acre greenhouse to grow vegetables indoors with the help of robotics, artificial intelligence, and lots of data. Hundreds of sensors monitor the 700,000 tomato plants to make sure they're growing well. And because it's indoors, they don't need to use pesticides to keep plants safe from bugs. They even collect rainwater to keep the plants watered. Last year, the plants produced 30 times more food than open fields the same size! What kinds of plants would you grow in a greenhouse? Could you build your own greenhouse? What technology would you use? Read more: cnn.it/3BXy7hT and yhoo.it/3qfFqba



STEM Career: Audio Engineer

Did you ever watch a video or listen to a song and think about being that person? Yes, being a singer or actor can be exciting, but they need people with serious skills to make them sound good, whether live or on a recording. That's the role of an Audio Engineer. A lot of science and math are involved to engineer and use the hi-tech devices needed for recording the sound or improving the live experience. Sound Engineer Frank Filipetti said "If you think it doesn't matter, listen to your music on headphones and then reverse your headphones 180 degrees. You will get a totally different feeling." And with more and more content being recorded and produced each year, this is a growing career. If you think a job like this "sounds" fun, start learning more about careers in Audio Engineering: bit.ly/3wqub8r



The Puzzle

Can you solve these 3 science riddles:
What can go up and down without moving?
What has a foot on each side and one in the middle?
What did one earthquake say to the other?

Decode the answers using Z=A, Y=B, X=C:
GSV GVNKVIZGFIV, Z BZIW HGRXP, RGH MLG NB UZFOG

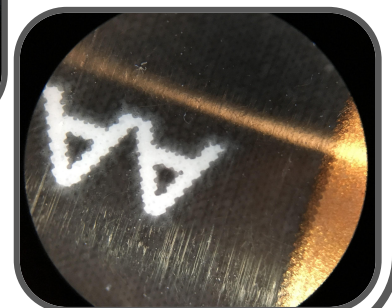
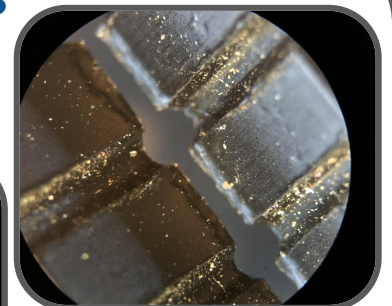
How Things Get Made

Have you recycled paper before? Did you ever wonder how they do it? Or what the machinery looks like that turns your old magazines, cardboard, mail, and homework into fresh new paper? Sorting the old paper requires sifting, tumbling, and scanning machines, and even human inspectors to ensure the right materials make it into new paper. Watch the process, and if you're not already, start recycling: bit.ly/3o0jS7e



Mystery Photos

Can you identify the mystery items under the microscope?



Decode the answers using Z=A, Y=B, X=C...
DRIV HGIRKKVIH
KSLMV HKVZPVI
YZGGVIB