

the Daily STEM

Volume 1 Issue 10

July 28 2019

STEM+Restaurants

When you go to a restaurant, do you ever wonder who washes all the dirty dishes? It takes a lot of time, can be dangerous, and isn't a very fun job. A company called Dishcraft decided to build a "robotic dishwasher" that can grab dirty dishes using magnets and scrapes them with a rotating spatula. As they're washed, a camera watches the dishes to see when they're clean. Everyone at the Dishcraft company practices washing dishes by hand. "They need to understand the complexity of the work and develop empathy for the customers."



What other types of jobs could robots do?
To read more: cnb.cx/2ZfxNIN

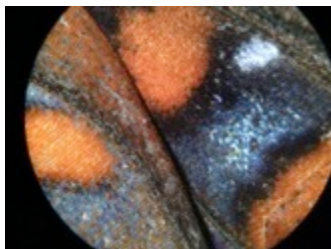
STEM Challenge

Did you ever take something apart to see how it works? Things we use every day, like toasters, often break and get thrown away. Instead of just tossing one in the garbage, get some help from an adult and take it apart. It's fun to try to figure out how it works and why it stopped working. If you don't have something that's broken, ask a neighbor or find one at a yard sale.



Mystery Photo

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



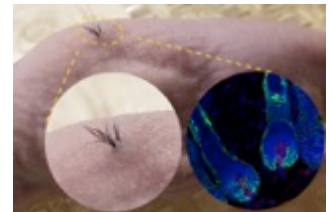
Last week's answer:
a raspberry

STEM in the News

Have you 3d printed something before? Maybe you've used a 3d printer to make a keychain or a small toy in your school. Some people even have 3d printers at home and use them to make replacement parts for their fridge or board games. A 3d printer melts plastic and then "squirts" it out in thin layers to create a 3-dimensional product.

Scientists are finding new ways to use 3d printing to do more than just make toys from plastic. One new idea is to print "hair" that can be transplanted to a human. Cells from a person's blood or skin are used to "grow" new hair follicles that are put into a 3d printed "mold" that holds them in place.

If you lost your hair, would you want new hair 3d printed for you? What other kinds of things could be 3d printed?



To read more: bit.ly/2Gx2fqu

The Puzzle

If "two wrongs don't make a right" then what does 2 lefts, 3 rights, 4 lefts, 1 right, 5 rights, and 7 lefts make?

Last week's answer: klwe ak xmf lg vg sl zgew is "STEM is fun to do at home" (it's a Caesar Cipher)

The Quote

"We will always have STEM with us. Some things will drop out of the public eye and go away, but there will always be science, engineering, and technology. And there will always, always be mathematics."

-Katherine Johnson, Mathematician at NASA

