

The Daily STEM

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STEM in the News

Did you ever get a package delivered to your home and wonder about all the people it took to get it there? UPS is one company that delivers packages to homes from businesses, and they just opened a unique warehouse in Kentucky. The facility will use Artificial Intelligence (AI) and Robotics to process over 350,000 packages each day. The work will be done by just 200 employees assisted by 3000 robot employees. Nicknamed “cobots,” these robots can roll around the warehouse picking up items and delivering them to human workers who put them in boxes. Some robots will even be loading the packages onto trucks for shipment. The robots increase the speed and accuracy of orders. Most importantly, by doing the difficult heavy lifting, they decrease worker injuries by 40%. How do you think the robots work?



Learn more: bit.ly/46qyyR8 and bit.ly/47HnZKO

STEM Career: Surveyor

Do you like exploring the outdoors with some of the latest technology? A **Surveyor** is someone who uses data to determine precise boundaries and locations of property. Surveying has existed for thousands of years, and has been used throughout history to build everything from pyramids to cathedrals. Today’s surveyors use special equipment that finds where a building, bridge, or road should be built. The same GPS that helps you follow a map in a car is also used to map points by surveyors. Many even use drones to explore and map land from above, especially in areas that are not easy to get to. While many surveyors work outside, some provide information to businesses for planning new building projects or to courts to help settle disputes. To become a surveyor you’ll need to study math, science, geography, and technology. Most also get a college degree. There are many job openings for surveyors! If you think this sounds like an interesting career, watch this video:



vimeo.com/867256851 or learn more:

beasurveyor.com or bit.ly/3QM2tO7

The Puzzle(s)

Suppose a zookeeper had 100 pairs of animals in her zoo. If two pairs of babies are born to each pair of animals, and then the zoo donates 50 pairs of animals to other zoos, how many animals remain at the zoo?

Decode the answer using morse code:

... / ... / ...

STEM Challenge

Have you ever heard of the KenKen game? It’s a math puzzle that helps you practice your basic facts. The goal is to fill all of the squares without using a

5+		3+
4+	3+	
		3

number more than once in a row or column. This 3x3 puzzle needs only the numbers 1-3 and you have to make them equal the target number in the corner using the symbol. Try playing at

kenkenpuzzle.com

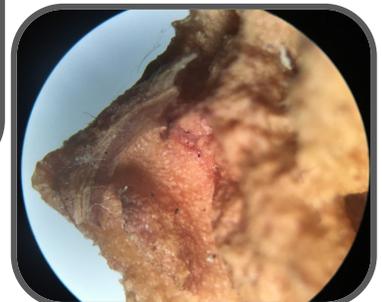
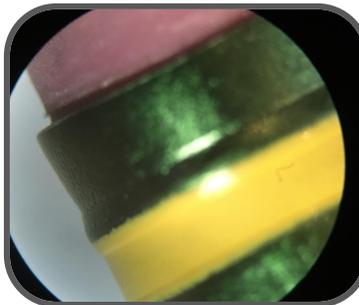
KEN-GRATULATIONS!
You solved this puzzle in 00:03:08

3+	7+	6+		
2	1	3	4	
8+	1	3	4	2
4	2	1	3	
7+	3	4	2	1

PUZZLE NO. 2092, 4X4, EASY

Mystery Photos

Can you identify the mystery items under the microscope?



Decode the answer using Morse code: .- .- - - - - / ... / ... / ... / ... / ...