

The Daily STEM

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STEM in the News

Do you like radishes? Astronaut Kate Rubins aboard the International Space Station recently harvested the first crop of the tiny red vegetables in space. These were different than their previous crops of leafy greens and dwarf wheat. They were chosen because they grow in just 27 days.

"Sophisticated control systems deliver water, while control cameras and more than 180 sensors in the chamber allow researchers at NASA's Kennedy Space Center to monitor the plant growth as well as regulate moisture levels, temperature, and carbon dioxide concentration," said NASA. Wondering how the radishes tasted? The astronauts didn't eat them. The radishes were packed up and will be sent back to Earth soon to be studied.

Learn more: go.nasa.gov/3gidK5T



STEM + CS Ed Week

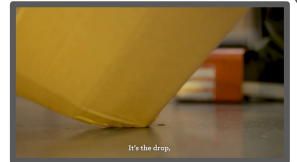
What is computer science? Computer Science is the study of computers and the software that controls them. Coding and programming are just a few things they do. They also study data, artificial intelligence, security, and more. Research shows that kids who study computer science do better in other subjects, excel in problem solving, and are more likely to attend college. Learn more at code.org

Computer
Science
Education
Week

DECEMBER 7-13, 2020

STEM Careers

Did you ever think of cardboard boxes as technology? Engineers and computer scientists work together to make boxes more durable so your packages get to you safely. Watch this video to learn what they do to make boxes better: youtu.be/UxQidyEVmLE



STEM Challenge

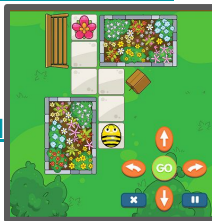
Looking for some coding activities and websites for Computer Science Education Week? Check these out:

>NASA offers a bunch of special resources, including a Mars rover game, a heat flow programming challenge, and a binary ruler go.nasa.gov/3IPBAqI

>Try coding a virtual Vex Robot using Scratch block coding or Python text vexrobotics.com/vexcode-vr

>Have some fun with a virtual BeeBot or other Terrapin programming and coding simulators terrapinlogo.com/online_resources.html

>Tinkercad has some fun coding and design challenges bit.ly/3guAIqR



STEM Joke

Some researchers were programming a robot to drive a car. Each day the robot would drive the car around the test track. And each day the robot would do well for a while, then stop working well. When the programmers asked the robot why it stopped working well, the robot said "I get tired because I have a hard drive."



The Puzzle

01000100 01101111 00100000 01111001 01101111 01110101
00100000 01101011 01101110 01101111 01101111 00100000
01100010 01101001 01101110 01100001 01110010 01111001
00111111

Last issue's answer: Genius. Germanium, Nickel, Uranium, and Sulfur are elements. Their symbols are Ge, Ni, U, and S

Mystery Photos

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

Last issue's answer:
A flower, a dental floss container, a tooth brush.

