The Daily STEM

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STEM in the News

Do you have a dog? Sometimes they can run away from their owners and get into some tricky situations. A dog named Millie got away from her owner in Hampshire, England, and became trapped in some mudflats. The tide was



coming in, so rescuers had to think quickly. When all attempts to lure her to a safe spot failed, a drone pilot suggested an idea. "It was a crazy idea," said Chris

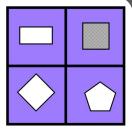
Taylor, the chair of the Denmead Drone Search and Rescue team. They tied a sausage on a long rope attached to a drone. The pilot flew the drone near Millie, and she followed the sausage to safety! "Every dog and search operation is always going to be different." How



else could you use a drone to help in a rescue? Learn more about Millie's rescue: bit.lv/3sJuvvU

The Puzzle

Here are 4 shapes. Can you decide which one doesn't belong with the others? Why? (find more "which one doesn't belong" puzzles at wodb.ca)



Decode the answer using Morse Code:

STEM Challenge

Did you ever tried throwing a boomerang? It's a fun historical tool that was used mainly for hunting, but also for making music! The curved shape of the piece of wood allows it to return to you when you throw it. Did you also know you can make a "Shoe-merang" by tracing your shoe onto cardboard? Erik at Strawbees has all the instructions to help you make your own shoemerang bit.ly/3pCK8pO and other "Ridiculous Inventions bit.lv/3hKY4tI

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STEM Career: Hydroponic Gardener

What do plants need to grow? If you said water, sun, soil, nutrients, and time, you're right. But you can also grow plants without soil using a process called Hydroponics. Hydroponic gardens grow plants in water, allowing nutrients to get delivered directly to the roots. As populations increase, there will need to be new ways of growing healthy food. And as populations

grow in big cities, growing plants in old warehouses or special indoor farms can quickly get healthy vegetables to people year round. Hydroponic gardeners can use computer programming to ensure proper light and nutrient levels for growing



plants. Robotics can move and rotate plants as they grow. A two-acre indoor farm can grow as much food as a 720-acre outdoor farm using 99% less water! Does a career like this sound interesting? Learn more about jobs bit.ly/3vHhN5s, NASA's research with indoor farms go.nasa.gov/3ISQCIL, and Emily's story of becoming a gardener bit.ly/3MoCdGq

Mystery Photos

Can you identify the mystery items under the microscope?



Decode the answers using Morse Code



Chris Woods dailystem.com/news