

the Daily STEM

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STEM + History

Have you ever played a board game? Did you ever think about what games were like hundreds or thousands of years ago? Archaeologists recently found a cracked game board in Vindolanda, England. It was near the site of Hadrian's Wall, a fortification built by the Roman Empire in the second century.

The game appears to be a type of Checkerboard, but since the rulebook was not found (like most games) no one really knows how it was played.

Thousands of other artifacts have been found in the same area. They are well preserved because of the wet soil that prevents

decomposition by oxygen. Have you ever invented a game?

To read more about this, head to: bit.ly/2WBn3TM



The Puzzle

Pick an even number (2,4,6,8). Multiply it by 6. The number in the tens place will always be half of the number in the ones place.

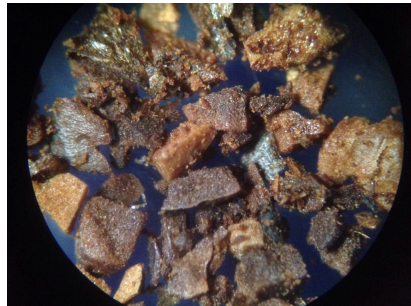
Do you know why? (answer next week)

Last week's answer: He weighs fruits & vegetables

Mystery Photo

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

Last week's answer: a green kitchen scrubber



STEM Movie

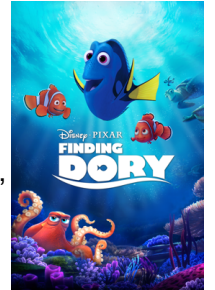
Finding Dory (PG 2016, 97 min)

Ideas for Projects: migration, pollution, short-term memory loss, the undertow, East Australian Current, bioluminescence, "Rescue, Rehabilitation, & Release," nearsightedness, echolocation, camouflage, animal/plant diversity, imprinting, quarantine

Top Scene: 55:50-58:11 Echolocation

The Big Question: If you could design an aquarium for aquatic life, what would it look like? What plants & creatures would it include?

Further Study: Visit an aquarium or nearby pond to study plant & animal life, or learn about working as a marine biologist.



STEM in the News

Have you ever heard the phrase "seeing is believing?" Most of us have seen a picture that doesn't look real. Movies are filled with computer generated scenes and characters. But as technology improves, so does the quality of things that can be faked.

Scientists like Phillip Wang are studying how people manipulate pictures and video in an effort to keep people from being fooled.

What kinds of problems could happen as a result of fake videos?

To read more: bit.ly/2VSKV8h



STEM Challenge

Can you construct a rocket that flies using a cone drink cup, toilet paper roll, a rubber band, 1/2 of a straw, index card, and 12 inches of tape

(thanks to @ReneeWellsSTEAM)

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