

The Daily STEM

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STEM in the News

Have you ever seen decorations in a restaurant, hotel, or home that make you think of the ocean? Ropes, nets, and traps can be fun to look at, but did you ever wonder what happens to real fishing equipment? Sometimes, fishing equipment can break or get lost and end up on the ocean floor. Laura Ludwig started a project in 2013 to clean up

some of that mess and turn it into something good. This year, four lobster boats and their crew will use hooks to grapple 8-12 tons of old fishing gear. "This year, nearly all of the recovered rope, nets, buoys, and possibly even some of the wire traps will be used by artists" says Ludwig. Around 200 old lobster traps will either get returned to owners or recycled as scrap metal. What would you make from the old fishing gear?



Learn more: bit.ly/3aUG24U

STEM Challenge

Did you ever sit around at home wondering "What could I make?" Instructables has a special collection of ideas for kids to make at home, from projects simple for every maker (a straw flute or self-watering terrarium) to projects that challenge the most experienced maker (a paper rubik's cube or pyramid marble run). What will you make? Check out the ideas:

[instructables.com/make-at-home](https://www.instructables.com/make-at-home)



STEM + Trucks

What would be a good feature on a truck? Ford has added a scale to their truck bed and trailer hitch to make hauling safer and easier.

When items are put in the truck bed, or attached to the trailer hitch, the dashboard display shows the weight. You can even watch a row of 4 LEDs light up as you add more weight. If the top light blinks, the bed is too full. Who would benefit from such an innovation?

What other ideas should be added to trucks? Learn more: cnet.co/3uiD2ak



STEM + Star Wars

May the 4th is often called Star Wars Day, because it sounds like "may the force be with you."

If you've ever seen any Star Wars movies, you know there's a lot of ideas that changed how movies

are made. *A New Hope* was the first science fiction movie to have ships and robots that looked used. They were dirty, grimy, and even broke down. It was also responsible for creating the job of "sound design." How else did they change? Learn more: bit.ly/2RjmOPA



The Puzzle

Can you form the number 3 or the number 8 using the digit 4 four times and any of \times \div $-$ $+$ (examples: $1 = 44 \div 44$ and $2 = 4 \div 4 + 4 \div 4$)

Last issue's answer: The fence would take 2 hours to paint. A can do $\frac{1}{3}$ of job in an hour, B can do $\frac{1}{6}$ of job in an hour, so together they can do $\frac{1}{3} + \frac{1}{6} = \frac{1}{2}$ of the job in an hour.

Mystery Photos

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

*Last issue's answer:
Popcorn, tea bag, and rice*

