

# The Daily STEM

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## STEM in the News

Have you ever stacked up some dominoes, then knocked them over? It's fun to watch one domino knock the next one until they've all been knocked over. But could you imagine setting up thousands of dominoes before knocking them over? Lily Hevesh got her first set of dominoes at age 10, and has been building amazing artwork ever since. She calls herself a "domino artist" and her passion for art and dominoes has become her full time career. Lily has over 3 million YouTube subscribers. Her videos have been viewed over 1 billion times! Some companies pay her to set up domino displays for commercials or publicity. What kind of art could you make with dominoes? Or do you have some sort of art you would like to do as a career? Learn more about Lily and how she sets up dominoes in this video: [youtu.be/u5GIh076hp0](https://youtu.be/u5GIh076hp0)



## The Puzzle

Find a word that goes with each of the following lists of words:

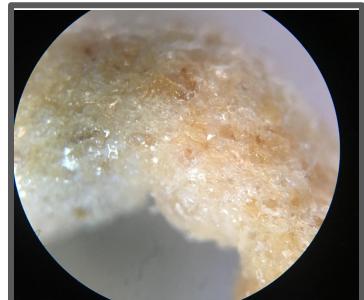
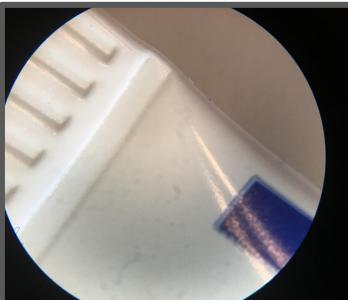
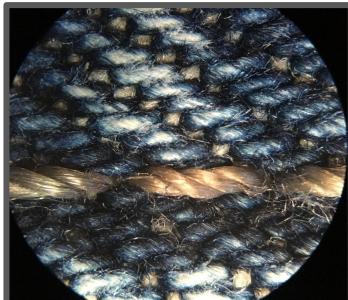
- a) Cottage, Swiss, Cake
- b) Cube, Cream, Tea
- c) Fly, Cup, Knife
- d) Day, Glasses, Screen

Last issue's answer: The mother and daughter could be 42 and 24, or 51 and 15, or 60 and 06

## Mystery Photo

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

Last issue's answer:  
A headphones plug, prongs  
on a cord, a lightbulb filament



Chris Woods [dailystem.com/news](http://dailystem.com/news)

## STEM + Inventions

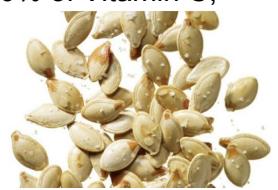
If you've ever gone on a hike, you know there are lots of things that can go wrong. You could fall or trip and hurt your leg or ankle. And any injury is made worse by having to wait for emergency responders to get to your location to help. That's why engineers at Gravity Industries have designed a jetpack. Their jetpack allows ambulance services to get to a hurt hiker in about 90 seconds instead of an hour. The jetpack has two jets on the pilot's back and one on each arm. "In many cases this would ease the patient's suffering. In some cases, it would save their lives." But to use the prototype, more testing is required. What kind of problems could you imagine? How else could a jetpack be used? Learn more: [engt.co/3iuLn4a](https://engt.co/3iuLn4a)



## STEM Challenge

Many people think of Halloween when someone mentions pumpkins. But pumpkins are not only a festive decoration, they're also a healthy vegetable.

Pumpkins are in the same family as cucumbers, melons, and squash. And 1 cup of cooked pumpkin contains 200% of daily Vitamin A, 20% of Vitamin C, and more potassium than a banana. Roasting pumpkin seeds is fun and easy too. They're high in protein and nutrients for your body. Could you invent a good way to separate the seeds from the stringy insides?



Learn more about pumpkins: [bit.ly/2SrWQ8](https://bit.ly/2SrWQ8)

Try this easy seed recipe: [bit.ly/3ismFRL](https://bit.ly/3ismFRL)