

# The Daily STEM

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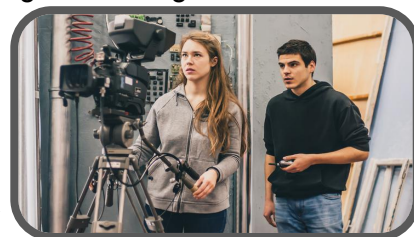
## STEM in the News

Have you ever dreamed of flying? Kaiya Armstrong is a 21 year-old airplane pilot. But what makes her unique is that she lost her sight when she was 14. She studied a poster of an airplane cockpit that she made into Braille. On October 7, Kaiya took off from Mesa, Arizona and will be flying across the United States and land in Washington, D.C. on Oct. 13 for World Sight Day. Tyler Sinclair, a pilot, is helping with the flight as her guide, helping her navigate and keep the plane level. The goal of the flight is to help blind kids know that they're capable of anything. "The only limits that we have are the ones that we've given ourselves, and I want everybody stop limiting themselves," she said. More: [bit.ly/3Mkex6D](https://bit.ly/3Mkex6D) Follow her flight: [bit.ly/3Co3lB1](https://bit.ly/3Co3lB1)



## STEM Career: Video Production

Did you ever watch a movie, show, or video and wonder how it was made? Any film requires writers, producers, and actors. But none of that matters unless there are people recording and editing the film. That is the job of someone in **Video Production**. A videographer sets up and operates cameras and makes sure that lighting and sound work well for the particular scene. Editors then take the raw video and make sure that everything looks and sounds right. They may even add special effects or cut out parts to make the final film as good as possible. Working in video production also includes creating training videos for businesses and recording special events like weddings and parties. With more and more video being produced for a digital world, there are many careers in video production. If you like making videos, keep practicing and learn more about this exciting career: [bit.ly/3yysYQI](https://bit.ly/3yysYQI) and [adobe.ly/3fT9NbY](https://adobe.ly/3fT9NbY) and [bit.ly/3CLfu4o](https://bit.ly/3CLfu4o)



## The Puzzle

Suppose you work at an aquarium. When you try to put 1 turtle in each tank, you have 1 turtle too many. But if you put 2 turtles per tank, you have 1 tank too many. How many turtles and how many tanks do you have?

Decode the answer using  $k=a$ ,  $l=b$ ,  $m=c$ ,  $n=d$   
drboo dkxuc kxn pyeb debdvoc

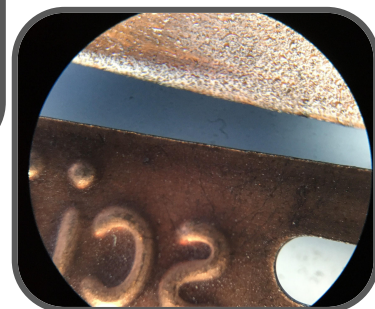
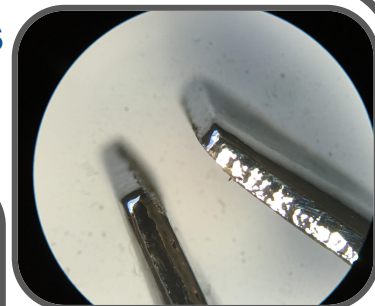
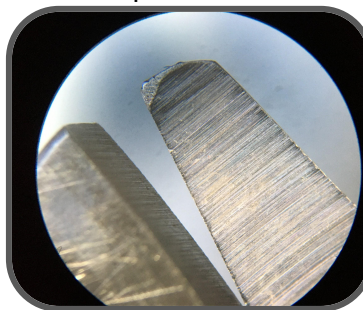
## STEM Challenge

Did you ever try making a Rube Goldberg Machine? They're clever contraptions where one object in motion triggers the next. Try finding a few dominoes, a ball, and a cup. Set up the dominoes to tip over and push the ball into the cup. Once you get that to work, find other objects around you classroom or home to make more tipping, tumbling, and rolling!



## Mystery Photos

Can you identify the mystery items under the microscope?



Decode the answers using  
 $k=a$ ,  $l=b$ ,  $m=c$ ,  $n=d$ :  
dgoojobc, cmsccybc,  
rksb mvsv