

# The Daily STEM

Volume 3 Issue 2

September 20, 2020

## STEM in the News

You have probably heard of Bald Eagles, but did you know there are Golden Eagles too? Although they are both eagles, they are different in many ways. Bald eagles live near water and feed on fish, but golden eagles tend to live in fields and eat small mammals. This is the time of year when many eagles are migrating from northern to southern climates across North America. Because less is known about the golden eagles, scientists put trackers on some birds. Using technology they can follow their movements as they fly north and south. Most of the eagles they've tracked even fly back to the same places every year. What other kinds of information would be good to find out about eagles?



Start learning more about eagles: [bit.ly/2RQeOCx](http://bit.ly/2RQeOCx)

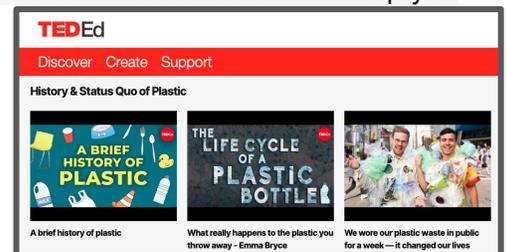
## STEM + Car Safety

What safety features on a car are the most important? Every car company tries to invent new, creative safety features. The engineers at Tesla have an idea to use a sensor to help detect if a child has been left in a hot car. The sensor wouldn't just detect a heavy object sitting on a seat. It would detect micromovements, like breathing or heart rates, that cameras or other sensors can't detect. It could even detect the movements through blankets or car seats. What other types of car safety features could you think of? Is it possible to make a completely safe car? Learn more: [cnet.co/3mHV2aW](http://cnet.co/3mHV2aW)



## STEM Challenge

What would it take to pick up all the litter in the world? Did you ever think about how much plastic you throw away every day? Is plastic even a problem, since we can recycle it? A good way to answer those questions is to better understand the problem of global plastic waste. TED-Ed created 11 lessons that "will help you understand how plastic waste affects our natural world, and how you can take action to eliminate it."



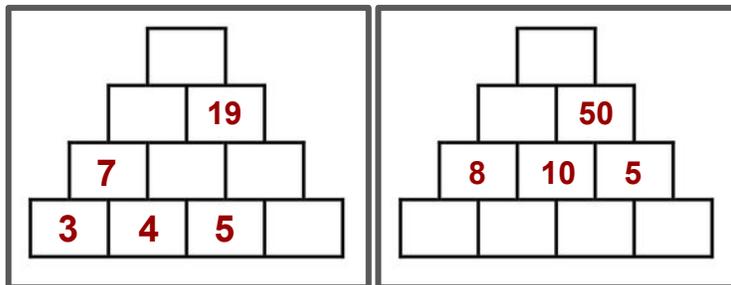
There are interesting videos to get you thinking about the history and future of plastic.

Check them out at [ed.ted.com/cleanup](http://ed.ted.com/cleanup)

Or ask your teacher to start some cleanup challenges at your school using [edu.litterati.org](http://edu.litterati.org)

## The Puzzle

Figure out the missing numbers in each of the following number pyramids



Last issue's answer: 6 triangles, 12 triangles, 18 triangles (you may notice it's a pattern)

## Mystery Photo

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

Last issue's answer:  
A pencil tip, a pencil eraser,  
a caterpillar

