

the Daily STEM

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STEM+Cars

Do you have a new car or an old car? Based on research, more people are keeping their cars longer because technology and quality make them last longer. The average age of a car being used is 11.8 years, a new record.

This year there are 5.9 million more cars on the road than last year, also a new record.

When cars are driven longer, they require more repairs.

That means more business for mechanics and auto parts stores.

Do you think it's possible to create a car that will never wear out? Would you want a car that never needs to be replaced? Would car companies want to build indestructible cars?

To read more: bit.ly/2xicJoU



STEM in the News

Did you know that last year in the United States over 19 million pounds of fireworks were launched? Fireworks are used to celebrate holidays and events of all sizes. And even though they were invented in China over 2000 years ago, people use STEM to make them better today! The right amounts of gunpowder are needed to make the fireworks launch but not explode.

Chemists use different metal combinations to make new colors. Scientists try to make fireworks with less smoke pollution and make the shells out of plastic that's biodegradable so they're better for the environment. And if you like music, using math to time the explosions to the beat is important.

To read more: bit.ly/2IY46Gx



STEM Challenge

Outdoor games are great STEM fun in the summertime. But you don't just have to play the same old games. Have you ever made your own game?

Find some balls, beanbags, or balloons and make up a game to play with your friends or family!



The Puzzle

Decode the following message if $x=f$ & $z=h$...
klwe ak xmf lg vg sl zegw.

Last week's answer: via thescienceexplorer.com

Red Glass (9 cups)	Blue Glass (4 cups)	Action
0	0	Fill the red glass
9	0	Transfer 4 cups to the blue glass
5	4	Empty the blue glass
5	0	Transfer 4 cups to the blue glass
1	4	Empty the blue glass
1	0	Transfer the remaining water from the red glass to the blue one
0	1	Fill the red glass
9	1	Empty what you can into the blue glass
6	4	You have 6 cups in the red glass!



Mystery Photo

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



Last week's answer:
a fork