

The Daily STEM

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STEM in the News

Did you ever ride in a car with a dirty windshield? The driver probably pushed a button to spray fluid at the windshield to try and make it clean. Engineers at Jeep decided there was a better way. Instead of spraying fluid all over, it flows out of 12 laser drilled holes in the wiper blade. That puts more cleaning fluid right where the driver needs it. What other ways could windshield wipers be improved? Learn more:

bit.ly/3wDLxQC



The Puzzle

Can you fill the empty boxes with numbers to make each row and column add up to 21?

9		
		9
	3	

Decode the answer using 1=a, 2=b, 3=c, 4=d

8;9;14;20;0;9;20;19;0;1;12;12;0;14;9;14;5;19;0;1;14;4;0;20;8;18;5;5;19

STEM Challenge

Did you ever wonder why some objects fall faster than others? For instance, why does a hammer fall faster than a feather? Try finding two balls that are the same size and shape, but different weight. Drop them. What happened? Now find a few pieces of paper and try folding them to make one fall faster or slower. If you have some that fall close to the same speed, find a phone or tablet that has slo-mo camera and use it to find out which one falls fastest. Check out this video to learn more

youtu.be/dxcx35x5L9Y

and then watch to see what happened when a hammer and feather were dropped on the moon youtu.be/oYEgdZ3iEKA



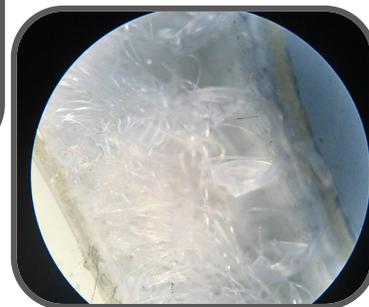
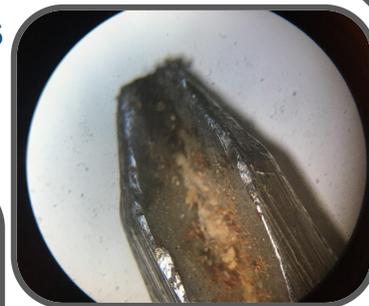
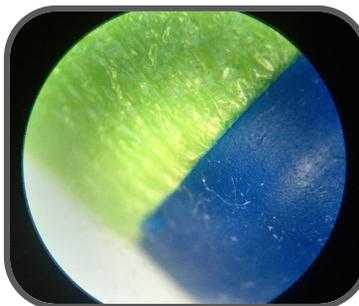
STEM Career: Veterinarian

Do you have any pets? Do you like to visit farms or zoos? Have you ever thought about being someone who helps animals? A veterinarian is a doctor for animals. They help creatures of any size and shape to stay healthy, or get healthy if they are sick or injured. New technologies are being used every day to help animals live better. Some vets even use 3D printing to make artificial legs or tails for animals. To become a veterinarian, it usually takes 4 to 8 years of college study. However, you can become a vet tech after just 2 years of study. If you think becoming a vet would be exciting, try becoming a volunteer somewhere in your community that works with animals. You should also spend time learning about biology, chemistry, and math. Learn more about what what vets do and what it's like to become a veterinarian in this video: youtu.be/z8ckAFRd5Eo



Mystery Photos

Can you identify the mystery items under the microscope?



Decode the answers using 1=a, 2=b, 3=c, 4=d
19;3;18;5;23;4;18;9;22;5;
18;0;14;5;18;6;0;4;1;18;20;
0;22;5;12;3;18;15