The Daily STEM

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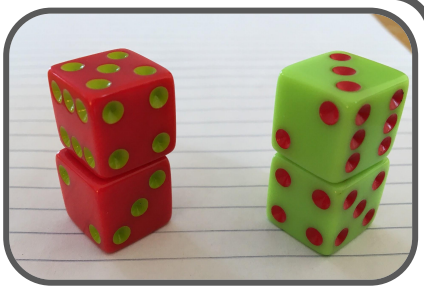
STEM in the News

Have you ever wondered what part of a robot would be the most difficult to make? “A person can effortlessly reach a hand into a pocket and fish out a dime from among a multitude of other coins and little objects, a feat no robot can match, noted Jonathan Rogers, a mechanical design engineer at NASA’s Johnson Space Center in Houston.” NASA astronauts have trouble using their hands on long spacewalks. The repetitive motions make their hands tired inside the spacesuits. Engineers at NASA teamed with auto and medical engineers to create a glove that strengthens a hand for tasks. Besides space, the Ironhand could help people with injuries or workers that have to carry heavy items. Who else could use this kind of technology? What other robotic devices could help people? How would you make a hand? Learn more about the Ironhand: go.nasa.gov/344rQpV

The Puzzle

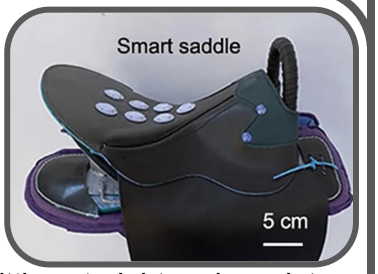
Each tower is made of 2 standard dice. If you add up the numbers on the outer sides, do they equal the same or is one total larger?



Decode the answers using z=a, y=b, x=c, w=d…
ivw wrxv vjfzo gsrigb mrmv tivvm wrxv vjfzo gsrigb gdl

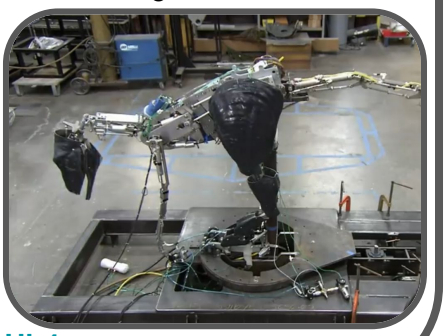
STEM Challenge

Have you ever rode a horse? Was it easy to sit up straight, or were you worried about falling off? A team of scientists have made a saddle that senses if you’re sitting straight and can let someone know if you’ve fallen off. How would you design a safer saddle for riding horses? Could you redesign a safer bike seat too? Or a baby seat? Learn more about the saddle: bit.ly/3IPzseJ



STEM Career: Animatronics

Have you ever visited a zoo or museum and saw a statue that moved on it’s own? Animatronics is the field of study that combines puppetry, sculpting, and robotics to make people think they’re seeing a real person or animal. Since dinosaurs are extinct, animatronic dinosaurs give us the experience of interacting with these marvelous creatures. Building them takes a lot of hard work and skill. How do you think they are created? Would you be able to make an animatronic Dinosaur or other animal?
Learn more: bit.ly/3rbbHb4



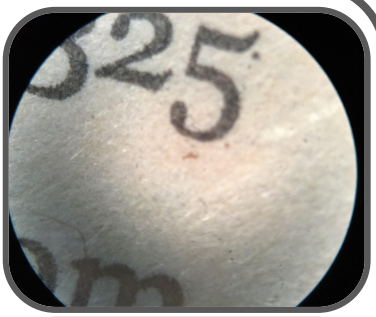
The Jokes

How does the moon cut his hair?
Eclipse it

What’s it called when a biologist takes a photo of herself?
A Cell-fie

Mystery Photos

Can you identify the mystery items under the microscope?



Decode the answers using z=a, y=b, x=c, w=d…
kztv mfnyvi yzi xlwv
wloozi yroo

Chris Woods dailystem.com/news