

The Daily STEM

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STEM in the News

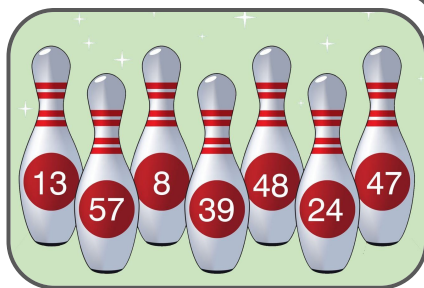
Have you ever mowed grass? Did you ever think about how long it would take to mow a sports field? The Louisville Bats, a minor league baseball team, is the first sports team in North America to use a robotic mower. The electric powered CEORA mower can work at any time of day no matter the weather. It even uses GPS to mow straight lines! Where else would robotic mowers work well? What other tasks or problems could robotics improve?



Learn more: atmilb.com/3LPxZ9K

The Puzzle

Which three pins must be knocked over to score exactly 100 points?



Decode the answer using $f=a, g=b, h=c, i=d$
 $ymnwyjjs ymnwydsnsj ktwydjnlmy$

STEM Challenge

Did you ever see a problem and think of a way to make it better? Some of the best inventions in our world started that way. The 3M Young Scientist Challenge with Discovery Education asks kids in grades 5-8 to find great solutions and share what they've learned in a 1-2 minute video. This year's challenge is focused on improving lives for the future. Maybe you have an idea for keeping people healthy, improving how we travel around, or getting more clean water to people in need. And even if you aren't in 5-8th grade, you can still think about some great solutions to help your community and world! What are you waiting for? Learn all about it at youngscientistlab.com/challenge



STEM Career: Photochemist

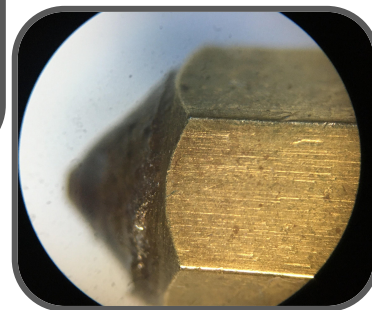
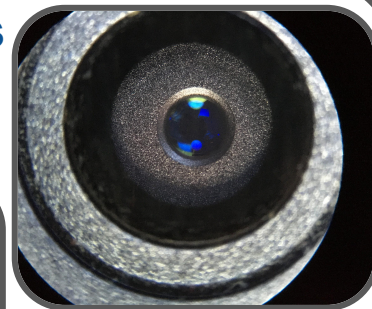
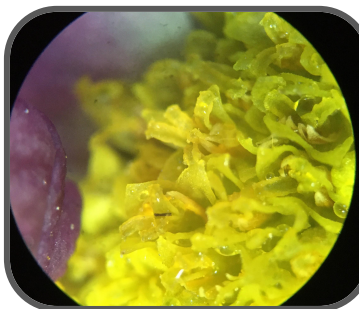
Did you ever have to change the brightness of your phone or tablet when you walked outside? A photochemist is someone who studies the properties of light and matter, and helps find ways to make the world better. Fireflies use photochemistry when chemicals in their bodies produce light. Plants turn sunlight into energy for a plant in a process called photosynthesis. That's also photochemistry. Dr Olester Benson is a scientist at 3M, and has helped create innovations in medicine, safety, traffic control, energy, aerospace, home improvement, and more. "Creativity and curiosity go hand in hand, and those are the two greatest ingredients for innovative thinking," says Dr Benson. Thanks to photochemists like him, everyday items like backpacks and clothing are reflective to help keep you safe. Would you want to make improvements in your world like these? Learn more about Dr Benson and his career as a photochemist at 3M:



bit.ly/3IEDkid and bit.ly/3Db9Iry and youtu.be/1HN8aYleVMU

Mystery Photos

Can you identify the mystery items under the microscope?



Decode the answers using $f=a, g=b, h=c, i=d$
 $nufi hfrjwf, kqtbjw,$
 $3i uwnsyjw steeqj$