

# The Daily STEM

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## STEM in the News

Did you ever try to play a musical instrument and get frustrated because you couldn't move your fingers fast enough? One researcher who used to play piano decided to try using a robotic hand to help musicians play faster.

First he had the musicians try playing a complicated piece of music. Then he attached a wearable robotic machine, or exoskeleton, onto the hands of some of the piano players. The machines moved their fingers faster than normal finger movement. When the musicians tried playing the music again after wearing the robotic hand, they were able to move their fingers faster! Doctors have used robotic exoskeletons like this to help patients improve movement after injuries. What other ways could something like this be used? Who could be helped by robotics like this? Learn more: [bit.ly/47yuQsw](https://bit.ly/47yuQsw)



## STEM Career: Aerospace Engineer

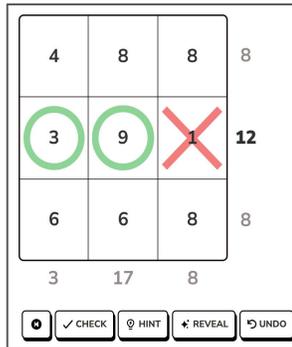
Do you like to watch rocket launches? Are you a fan of space and astronauts? An **Aerospace Engineer** helps design, build, and test aircraft, spacecraft, satellites, and more. Their job is very important because of the need for safety of rockets and airplanes. To become an Aerospace Engineer, a college degree in



Engineering is required, as well as experience in how things go together. In school it is important to take lots of classes in math, physics, and chemistry to understand how the materials work together to make flying machines stronger, lighter, and faster. Most Aerospace Engineers do their work on computers, designing and redesigning each part and structure involved with flying. As flying continues to grow as a way of travel, there are more and more opportunities in this career. If this type of engineering sounds like something you'd like, learn more: [bit.ly/4otDJt4](https://bit.ly/4otDJt4) or watch an overview [bit.ly/49cS48O](https://bit.ly/49cS48O) or hear some answers about Space [bit.ly/48F6oXE](https://bit.ly/48F6oXE) & Planes [bit.ly/4o0N9fW](https://bit.ly/4o0N9fW)

## STEM Challenge

Do you like number puzzles? Sumplete is a clever one that makes you think using your adding skills. Each row and column has a "sum clue" that tells you how much the numbers must add up to. Click once on a number to "Delete" it with an X.



Click twice on a number to "Keep" it with a O. There's 3x3, 5x5, and 7x7 (the larger the puzzle, the more challenging it is). Try it out at [sumplete.com](https://sumplete.com)

## The Puzzles

Which element hates to follow?  
What number do you get from Nickel & Neon?  
Which 2 elements are naturally found as liquids?  
What element is the laughing gas?

Decode the answers using  $c=a$ ,  $d=b$ ,  $e=c$ ,  $f=d$ :  
Ngcf. PkPg. Ogtewta cpf Dtqokpg. Jgnkwo (JgJg).

## Mystery Photos

Can you identify the mystery items under the Microscope?

Decode the answers using  $c=a$ ,  $d=b$ ,  $e=c$ ,  $f=d$ :

Yqtp Igct

Rqvcvq

Jcv Oguj

