

The Daily STEM

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STEM in the News

Did you ever get a paper cut? It may be tiny, but a small cut from a piece of paper can be extremely painful.

Sometimes it can even make you bleed!

A group of scientists recently decided to study paper cuts. They used fake skin made from gelatin. Thin paper would bend, while thick paper would make a dent in the fake skin.

They found that paper with a thickness of 65 micrometers (about 0.003 in) cut best, especially at an angle instead of straight down at the skin. And one last question: why would scientists study paper cuts?

Learn more: bit.ly/48vvA0t

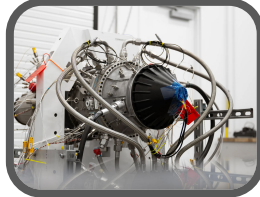


More STEM in the News

Did you ever use a 3d printer?

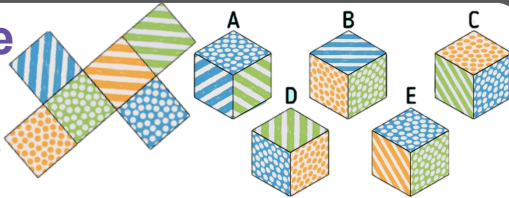
While a classroom printer uses plastic, industrial printers can make things out of metal. Beehive Industries announced they are building a factory to create 3d printed engines for military engines. Unmanned aerial vehicles, or drones, are used by the military so that soldiers do not have to be in harm's way. Beehive is 3d printing engines for them using metal, and they are able to create the engines twice as fast for only half the cost. They even hope to someday make engines for jets! Learn more:

bit.ly/4f8YYfD & beehive-industries.com



The Puzzle

Which cube can **NOT** be made using the pattern?



Decode the answer using Morse Code: $-. . - . . .$

STEM Challenge

Did you ever cut paper? If you've got some colorful paper, scissors, and a glue stick, you can make some colorful art! Start by cutting some triangles or other shapes, then glue them into interesting patterns. What kind of patterns can you make? Learn some more ideas: bit.ly/3Ati0y7



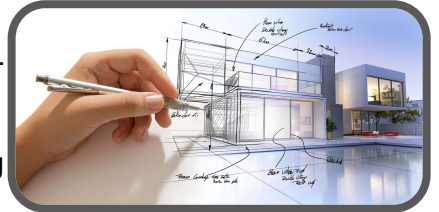
STEM Career: Architect

Did you ever wonder what it takes to design a house or a building? An **Architect** is someone who plans and designs all types of buildings and structures.

Architects also spend a lot of time looking at the work of others, checking for mistakes or making improvements. They can also be involved in making sure their designs follow safety regulations related to weather, fires, or earthquakes. To become an architect, you have to get a college degree, get some experience, and pass the Architect Registration Exam. There are many opportunities to join this career as many current architects are about to retire.

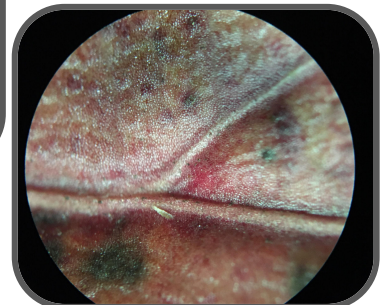
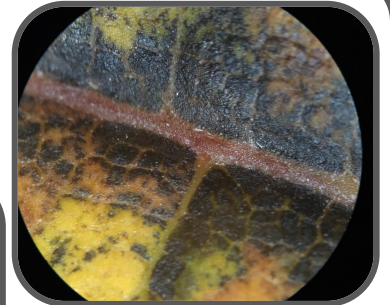
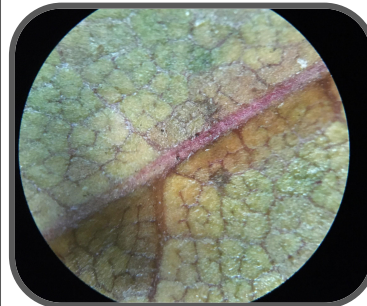
Math, science, and communication skills are important, but it is very important to build skills in art and design. And take advantage of any opportunity to study CAD (Computer-Aided Design) so you can practice using computers to design things. If you think this sounds like a career you'd be interested in, learn more: bit.ly/4egBLa2 or bit.ly/40vOgLJ or watch bit.ly/4fOFAVd

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Mystery Photos

Can you identify the mystery items under the microscope?



Decode the answers using Morse Code:

$-. /$
 $-. /$