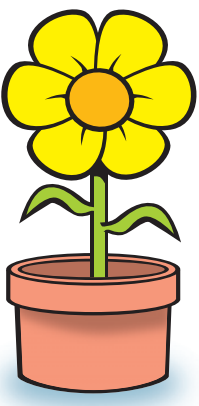


STEM

SCIENCE TECHNOLOGY ENGINEERING MATH



A flower grows at the end of a stem of a plant. That's one kind of stem.

Today, businesses are interested in kids knowing about another kind of STEM. This STEM is spelled from the first letter in the words:

SCIENCE TECHNOLOGY ENGINEERING MATH

STEM is a way of solving problems.

STEM subjects help people to better understand the world around us. And they help us to solve problems we see in the world. STEM workers solve problems such as how to clean up rivers, how to make clean energy, how to fight deadly diseases, how to make computers and how to explore space.

Circle the things that are made using science, technology, engineering or math.



ANSWER: Did you circle every item? STEM is needed to make all the things we use every day!

STEM is FUN!

STEM learning is often hands-on and fun. It is experiments, making and testing things, fixing things and more. **YOU be the scientist** and try this cool experiment!

Extra! Extra! Sports Page Math

Find all of the scores of the winning teams on the sports page. Add up the scores. What do you get?

Standards Link: Research: Use the newspaper to locate information.

Q: Can you push a plastic drinking straw through a potato?

Hypothesis:

(What do you think will happen?)

Materials:

uncooked potato



2 plastic straws



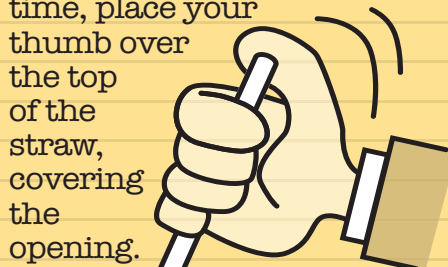
Investigate:

1. Hold the straw by its side and try to quickly stab it through the potato.
2. Repeat stabbing the potato with a new straw. But this time, place your thumb over the top of the straw, covering the opening.



Observe:

What happens?

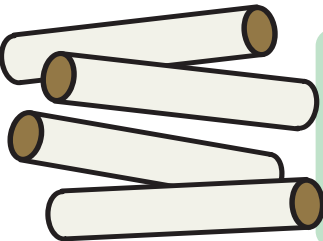


Observe:

What happens?

WOODWORD EXPLAINS

If you punch a bunch of holes in your potato, you end up with a lot of little potato cylinders. How would you cook these potato pellets? Send your recipe ideas to me: woodword@kidscoop.com

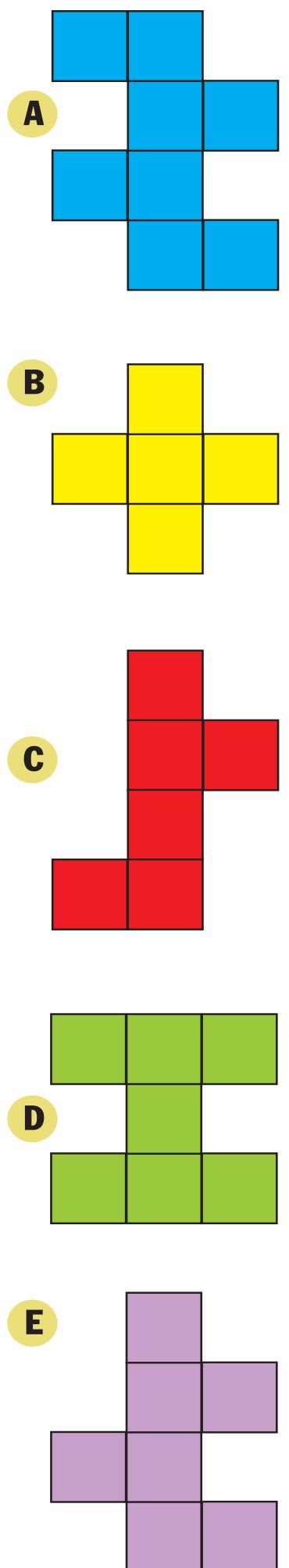


Placing your thumb over the hole at the top of the straw traps air inside, forcing it to compress as you stab the potato. This makes the straw strong enough to easily push through the potato. Cool, isn't it? It's the science of air pressure!



Standards Link: Reading Comprehension: Use strategies of the reading process to follow written directions.

Only one of the shapes below can be folded into a box with four sides, a top and a bottom and no extra flaps. Work with a family member to take a guess. Then, carefully cut each shape out and see if you guessed correctly!



ANSWER: C. (A & E will also make boxes but have an extra flap.)

Kid Scoop Puzzler

Math Magic

In these magic square puzzles, you fill in the missing numbers so that each row and column and diagonal adds up to the same number. Look at the example, then try the ones below.

	15	15	15	
8	1	6		15
3	5	7		15
4	9	2		15
				15

7		3
	9	
15		11

	18	
16	14	12
	10	

		8
	20	28
32		

Double Double Word Search

- SCIENTIST
- HYPOTHESIS
- COMPRESS
- PEOPLE
- WORLD
- STRAW
- MATH
- SPACE
- TESTING
- OBSERVE
- SOLVE
- AIR
- STEM
- TIME

Find the words in the puzzle. Then look for each word in this week's Kid Scoop stories and activities.

A	S	W	S	K	H	S	M	I	T
H	Y	P	O	T	H	E	S	I	S
E	T	S	A	R	R	E	B	S	I
V	B	M	R	C	L	A	D	T	T
R	N	I	B	P	E	D	W	E	N
E	A	H	O	K	Y	T	I	M	E
S	J	E	V	L	O	S	F	D	I
B	P	G	N	I	T	S	E	T	C
O	V	C	O	M	P	R	E	S	S

Standards Link: Letter sequencing. Recognized identical words. Skim and scan reading. Recall spelling patterns.

Kid Scoop VOCABULARY BUILDERS

This week's word: **OBSERVE**

The verb **observe** means to watch or examine something closely.

In the kitchen, I could **observe** the chef making our dessert.

Try to use the word **observe** in a sentence today when talking with your friends and family members.

FROM THE LESSON LIBRARY

Science Fiction Story

Science fiction stories imagine what the future could be like. Look through today's newspaper for a science-related article about something that might have been considered science fiction 100 years ago.

Standards Link: Research: Use the newspaper to locate information.



How do scientists freshen their breath?

ANSWER: With expert-mints.

Write On!

Life in 2050

Describe a normal day in the year 2050. Do kids still go to school? Do people drive cars? What new inventions have been created? Do people vacation on the moon?

