

# I Know Pumpkins!

## ANSWER KEY



### Pumpkin Vocabulary

Trace the vocabulary words.

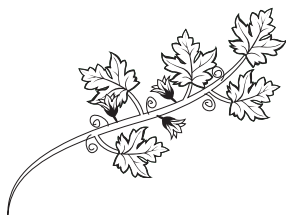
1. Seed – The life holder. With plenty of water, sunlight, air, and rich soil, the pumpkin seed grows into a pumpkin vine.
2. Vine – A long flexible stem that grows along the ground where the blossom and leaves grow (and eventually, the pumpkin will grow on it, too).
3. Blossom – A female flower that gets pollinated by insects will begin the start of the growing pumpkin.
4. Pollination – The transfer of pollen from the male anther to the female stigma by insects.
5. Mature Pumpkin – Pumpkins that are finished growing and have a hard rind (outside).

### Pumpkin Life Cycle

Color each new phase of a pumpkin.



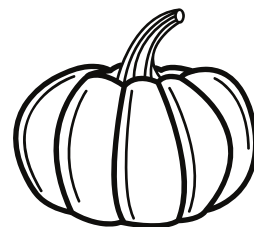
Seed



Vine



Blossom and  
Pollination



Pumpkin Growth to Maturity

### Pumpkin Facts

Trace the letters and numbers in each sentence. Use colored pencils for 5 & 6.

1. Pumpkins are considered a type of squash and a gourd.
2. They can be BIG, or they can be small.
3. They can be oblong, round, or squished around the sides.
4. The seeds are on the inside of the pumpkin.
5. Pumpkins can be orange, white, or hues of blue or brown.
6. But, if pumpkins are gree... they're not ripe, yet.
7. The heaviest pumpkin ever grown weighed 2,624lb.



### What do we use pumpkins for?

Label the three uses for pumpkins and draw a picture to help you remember them.

1. Decorating

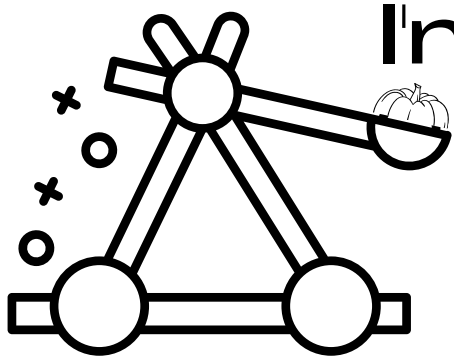


2. Eating



3. Composting





# I'm an Engineer!

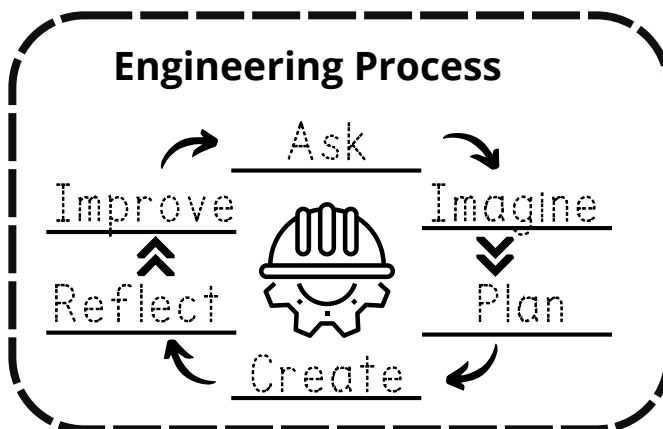
Engineering is the process of creating and building structures, products, and systems by using math and science.



Engineers are problem solvers with their inventions.

## List of Materials to Make a Catapult

- Popsicle sticks (Regular & Super)
- Rubber bands (various sizes)
- Plastic spoons (Regular & extended handle)
- Tape on floor "target lines" to launch objects to
- Small pumpkin-shaped candy (or similar size)
- Cotton ball
- Crumbled paper



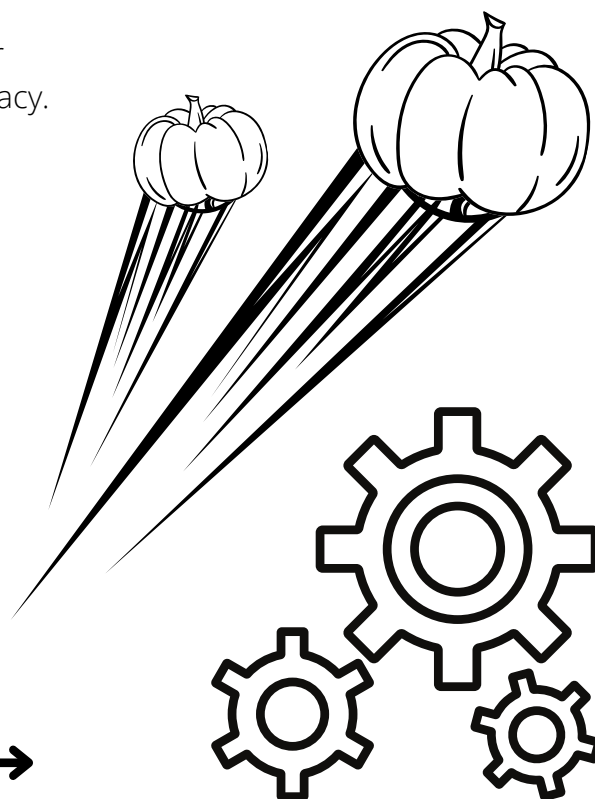
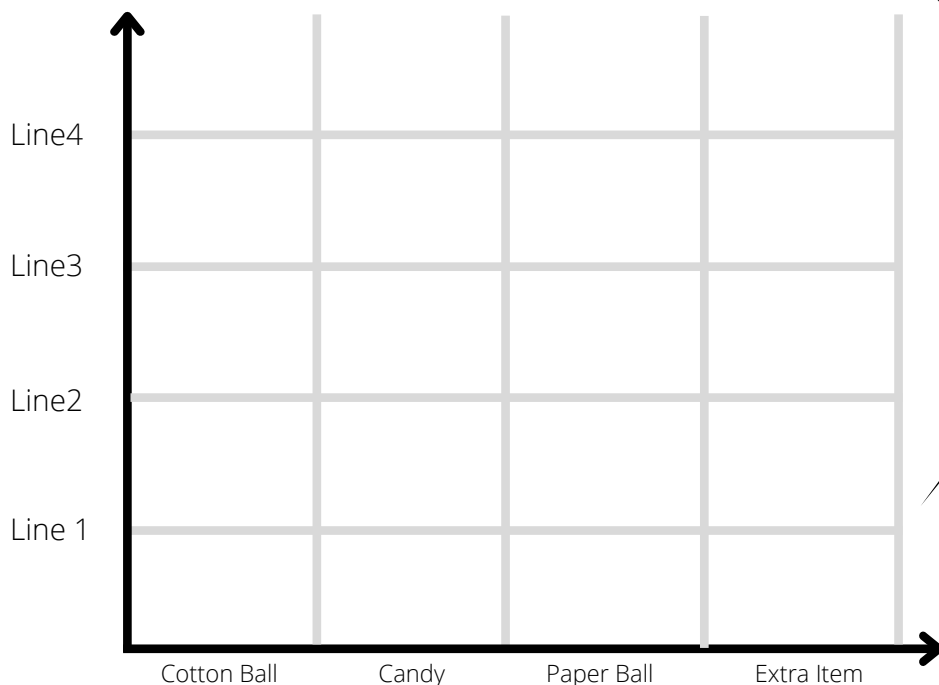
## Energy of a Catapult

Potential Energy - Energy that is stored up and ready for use. "Potential Energy - Engaged!"

Kinetic Energy - Energy that is in motion and being used. "Kinetic Energy - Action!"

## Catapult Bar Graph - Test and Record

After launching each item, color in the number of squares your item reached (Line 1, 2, 3, or 4). Launch for distance, not accuracy.



# I Know Pumpkins!

K-2

## ANSWER KEY

### Pumpkin Vocabulary

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1. Seed— The life holder. With water, sunlight, air, and soil, the seed will grow into a pumpkin.
2. Vine— A long stem that grows on the ground where the flowers and leaves grow.
3. Blossom— A female flower that gets pollinated and starts growing the pumpkin.
4. Pollination— The transfer of pollen from the male flower to the female flower.
5. Mature Pumpkin— Grown-up Pumpkin.

### Pumpkin Life Cycle

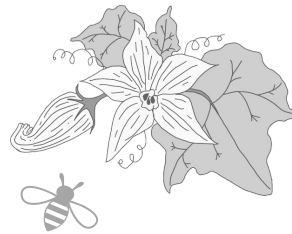
Color each new phase of a pumpkin.



Seed



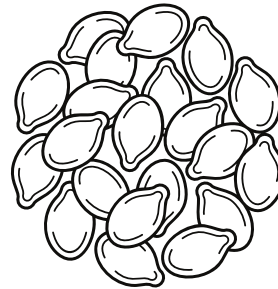
Vine



Blossom &  
Pollination



PUMPKIN



PUMPKIN  
SEEDS

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2. Eating

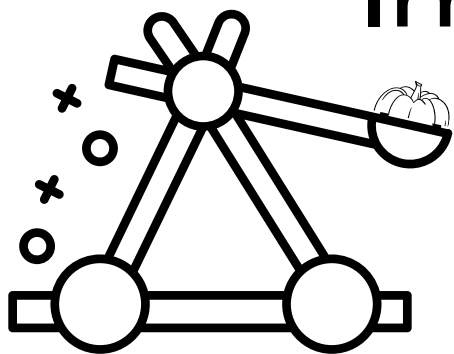


3. Composting



# I'm an Engineer!

K-2

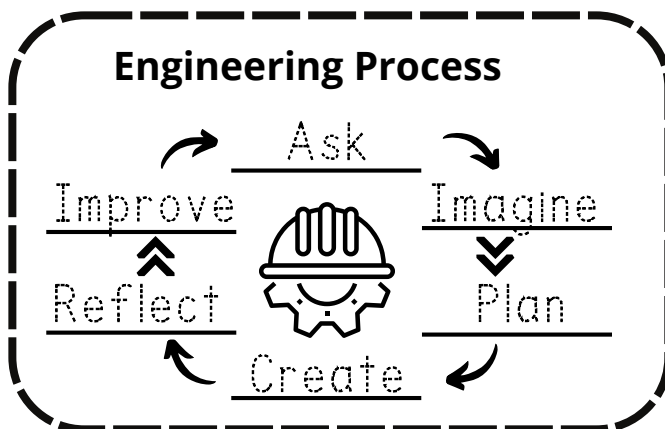


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