

I Know Pumpkins!

Name _____



Pumpkin Vocabulary

 Write the vocabulary words.

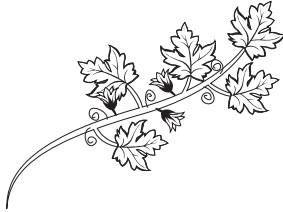
1. _____ - The life holder. With plenty of water, sunlight, air, and rich soil, the pumpkin seed grows into a pumpkin vine.
2. _____ - A long flexible stem that grows along the ground where the blossom and leaves grow (and eventually, the pumpkin will grow on it, too).
3. _____ - A female flower that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

Pumpkin Life Cycle

Color each new phase of a pumpkin.



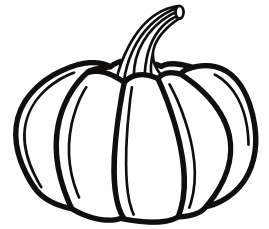
Seed



Vine



Blossom and
Pollination



Pumpkin Growth to Maturity

Pumpkin Facts

 Complete each sentence. Optional - Use colored pencils for 5 & 6 (if the class has access to them).

1. Pumpkins are considered a type of _____ and a _____.
2. They can be _____, or they can be _____.
3. They can be oblong, _____, or squished around the sides.
4. The _____ are on the inside of the pumpkin.
5. Pumpkins can be _____, _____, or hues of _____ or _____.
6. But, if pumpkins are _____... they're not ripe, yet.
7. The heaviest pumpkin ever grown weighed _____.



What do we use pumpkins for?

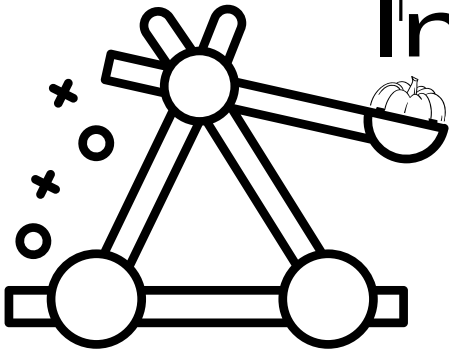
Label the three uses for pumpkins and draw a picture to help you remember them.

1. _____

2. _____

3. _____

I'm an Engineer!



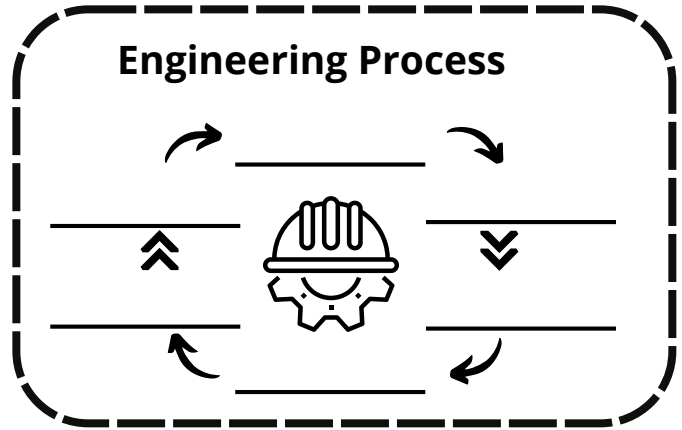
Engineering is the process of creating and building structures, products, and systems by using _____ and _____.



Engineers are _____ 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 (4 target lines to launch objects to)
- Small pumpkin-shaped candy (or similar size)
- Cotton ball
- Crumpled paper



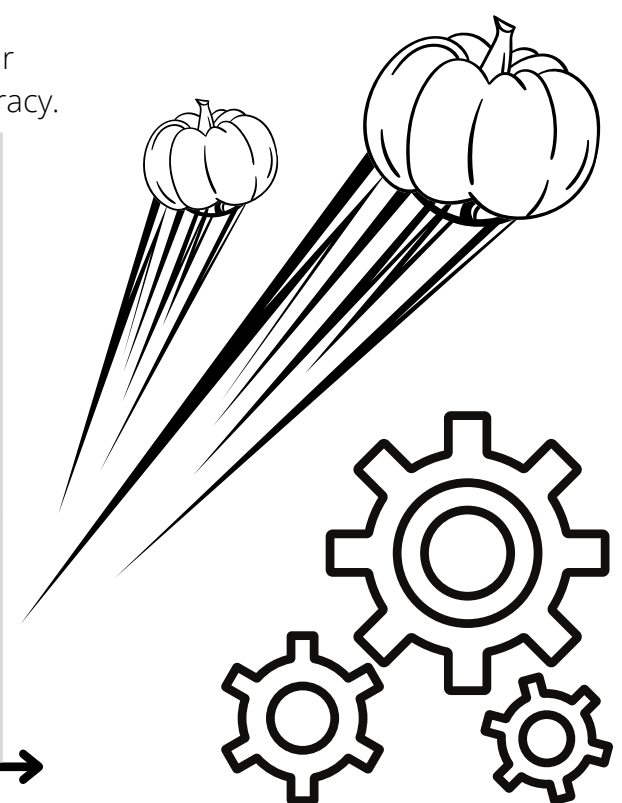
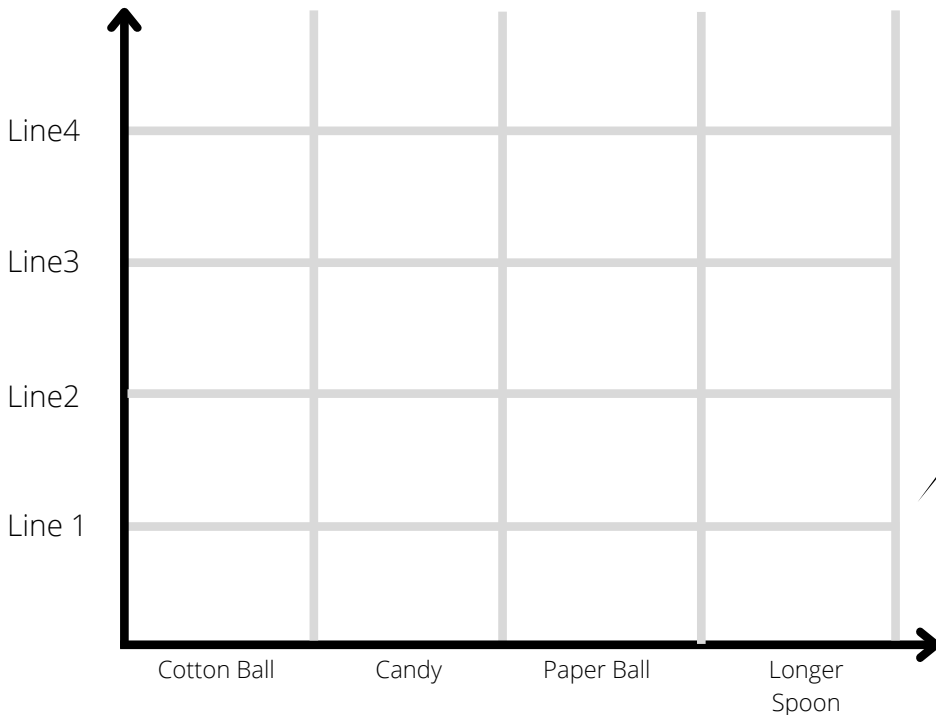
Energy of a Catapult

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

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

Name _____

Pumpkin Vocabulary

Trace the vocabulary words.

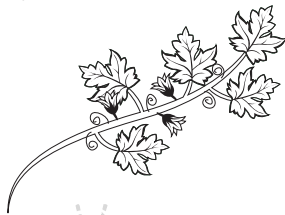
1. Seed - The life holder. With water, sunlight, air, and soil, the seed will grow into a pumpkin.
2. Vine - A long stem that grows on the ground where the flowers and leaves grow.
3. Blossom - A female flower that gets pollinated and starts growing the pumpkin.
4. Pollination - The transfer of pollen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



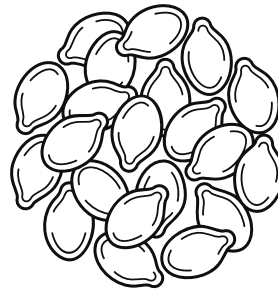
Blossom & Pollination



PUMPKIN



Mature Pumpkin



PUMPKIN SEEDS

How do we use pumpkins?

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

1. Decorating



2. Eating

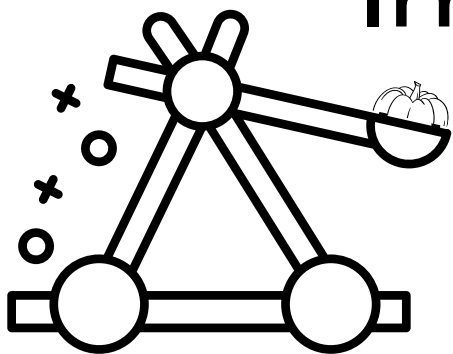


3. Composting



I'm an Engineer!

K-2

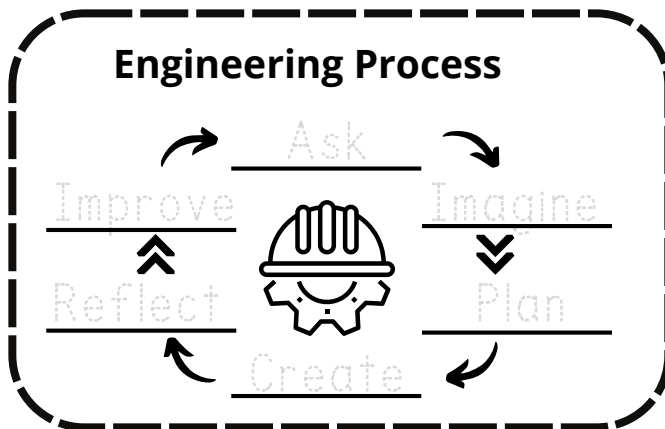


Engineering is the process of creating and building structures, products, and systems by using math and science.

Engineers are problem solvers with their inventions.

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