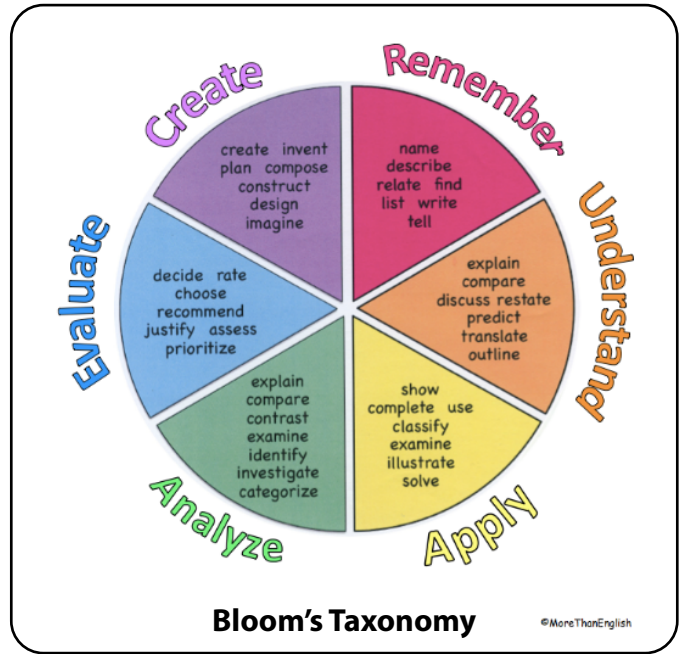


### Bloom's Taxonomy for the spaghetti and marshmallow sculpture

For this project my goal is to highlight how much brain power is going into every action that we perform. Even if we think the task is "easy" our brains are using a lot of different processes to make sure that we achieve the result that we imagined.

Read Bloom's Taxonomy to understand the different types of cognitive processes we will be performing as we problem solve and build a sculpture out of marshmallows and spaghetti.



### Directions -

1. Use only full/unbroken pieces of spaghetti. Maximum number 20 pieces.
2. Maximum number marshmallows 20.
3. Structure that is free-standing and a minimum of 24" tall.
4. Time allotted will be 7 minutes.
5. You may work in a group or alone.

### Before you begin

**Remember** - Describe what you know from past experience about the materials that you are using and how is that going to effect how you build your sculpture.

1. \_\_\_\_\_  
\_\_\_\_\_

**Understand**- Predict where the structure might fail.

2. \_\_\_\_\_  
\_\_\_\_\_

Predict which types of shapes will be the best to build with.

- \_\_\_\_\_
- \_\_\_\_\_



**Create** - Using the knowledge you gained from build your spaghetti sculpture, now create a design/sketch how you would make a bridge out of spaghetti and marshmallows.

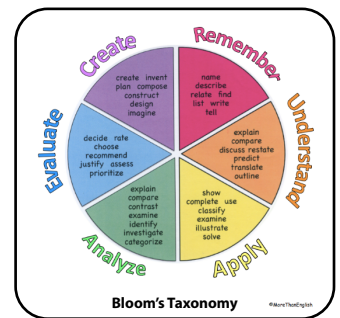


## Using Bloom's taxonomy

7. Describe, tell, list, or relate the activity we just completed.

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8. Explain, compare, outline predict, how these skills will apply to the paper straw sculpture .

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9. Compare, contrast, categorize, or identify how your ideas changed as you built the sculpture.

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10. Decide, choose, recommend, justify, assess, or prioritize that types of shapes that will be most successful for you to use on the paper straw sculpture.

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11. The create, invent, plan, compose, construct, design, and imagine step will be applied to the actual paper straw sculpture.