We know that by understanding the properties of materials, we can use them to solve many problems in our daily lives. The materials that compose products we use are chosen based on their properties.

Using your knowledge of properties of matter, you will invent a new hat that will keep you cool and protected from the sun.

Your supplies:

* A paper towel
* A paper plate
* A paper lunch sack
* A 12” square of aluminum foil
* 3 feet of yarn
* A 9”x12” piece of felt
* 6 paper clips

Work together with your group to create your new hat.

Follow the Design Loop Process:

1. Understand the Problem
2. Brainstorm Ideas
3. Select a Solution
4. Build It
5. Test and Evaluate
6. Present Results