



Bible Story

David Defeats Goliath













1 Samuel 17:1-50a

Castle Callout

Armor Up with Justice!

Materials

(can include)

-  wooden craft sticks
-  cardboard boxes
-  plastic spoons
-  plastic bottles
-  plastic bottle caps
-  tape
-  glue
-  rubber bands
-  clothespins
-  bathroom-sized paper cups
-  marshmallows or small paper wads
-  pencils

Safety Tips

Knights standing in the line of fire should wear safety goggles.

Experiment 2

Catapults!

I. Preparation

Build two to three catapult models ahead of time to give Knights ideas to work from. Use the pictures provided here or search online for suggestions.



II. Introduction

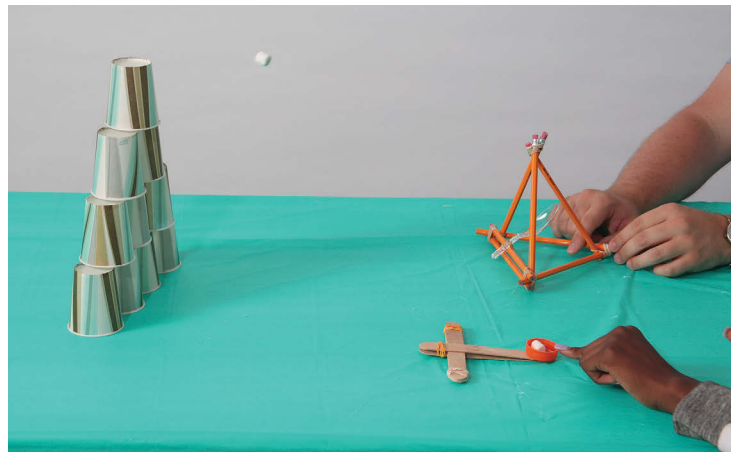
Say Something Like: **God helped David have the faith to fight Goliath and win. North Castle also needs protection. Let's build catapults to protect it!**

Ask: (show materials) **What are these materials usually used for?**

Ask: **How could we build a catapult from these items?**

III. Experiment

Step 1. Allow Knights to select materials and create their own catapults. The design should include something to function as the "bucket" for their marshmallow or paper wad (such as the bowl of a spoon or plastic cap), a throwing arm, and a base. If Knights are struggling to keep their catapult upright, suggest adding weight to the base to counterbalance the bucket. Alternatively, they can tape the base to the table.



Step 2. Build a pyramid with the small paper cups. Allow Knights to test their catapults. Which ones are successful at knocking over the cups?

Step 3. Bring Knights back together to discuss results. What did successful catapults have in common? Unsuccessful ones? What did you learn from watching others test their catapults?