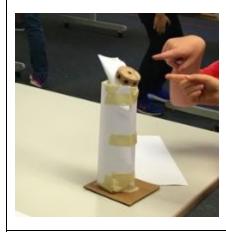
Literacy-Based Making Activity: Paper Towers

Grade Level: 1st Books: Three Little Pigs or Rapunzel

Lesson Objective: Students build to tallest tower possible that resists being blown over by wind.



Topic/Theme:

K–2-ETS1-2. Develop a simple sketch, drawing, or physical model to illustrate how the shape of an object helps it function as needed to solve a given problem.

Materials:

- 7 10 pieces of 8.5x11" paper
- 1 meter of masking tape
- 1 piece of 4" x 6" cardboard (approx.)

1st Grade Units:

- Welcome to 1st grade rules and procedures
- Fairy Tales
- Engineering Design

Pre-Lessons Suggested (If any)

- Read one of the fairy tales prior to the activity.
- Students can brainstorm ideas about what makes a structure strong and stable.

Steps:

- 1) Read <u>The Three Little Pigs</u> with whole class
- 2) Whole class brainstorm what makes a strong and stable structure?
- 3) Tell students that they will be creating the tallest tower possible (can be done individually or pairs)
- 4) Must be at least 11" tall.
- 5) Needs to be able to stand up when the teacher blows on it. (Decide if students can tape towers to tables or remain freestanding.)
- 6) Hand out available materials
- 7) Students build towers.
- 8) Teacher circulates, testing towers by blowing on them.
- 9) Share out (whole class, small group, gallery walk style, etc.)