

Grade K – APPLIED DESIGN SKILLS & TECHNOLOGY – Build a Structure

Curriculum: ADST

Engineers build with materials. They learn how to put things together to add strength to a structure.

Learning Goals:

- Ask questions and make predictions
- Make observations
- Test out how materials function together

Equipment:

- A variety of building materials: blocks, lego, duplo blocks, newspaper, pillows, sticks, toys, playing cards, empty boxes

Activities:

1. Take a look at the materials you've collected.
2. Your job is to build the highest structure without it toppling over.
3. What materials did you use that worked best?
4. What materials did not work very well?
5. Make sure you take a picture of your creation.

Extension:

Imagine who would live in your wonderful structure. Tell a story about an adventure with the character in your structure.