

Name(s) \_\_\_\_\_ Period \_\_\_\_\_ Date \_\_\_\_\_

# Activity Guide - Paper Towers



## Goal

Build a tower that goes as high as possible and can stand for at least 30 seconds, using sheets of paper. You will build two towers and will try to improve your design between the first and the second.

## Rules

- You may only use the paper provided by your teacher to build your tower.
- You may not touch or adjust your tower once everyone lets go of it.

## Develop a Plan

- How does your group plan to build your tower? Write a description or draw a picture below.
  
  
  
  
  
  
  
  
  
  
- What are the strengths of this design? What possible weaknesses might this design have?

## Test Your Tower

- Did your tower stand for 30 seconds? How tall was it?
  
  
  
  
  
  
  
  
  
  
- What needs to be or can be improved?

## Evaluate and Improve

- What are the most common kinds of problems you see among the towers tested?
  
  
  
  
  
  
  
  
  
  
- What ideas seem to be working well?

## Develop a Plan

- How does your group plan to build your tower? Write a description or draw a picture below.  
  
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- What are the strengths of this design? What possible weaknesses might this design have?

## Test Your Tower

- Did your tower stand for 30 seconds? How tall was it?
- What needs to be or can be improved?

## Reflect

- How did working in a team make this activity easier?
- How did it make the activity more challenging?
- What helped your group overcome these challenges?