PROBLEM STATEMENT

Rok and his friend Christopher have decided to challenge each other to see who can build the STRONGEST tower out of just paper. Christopher made a tower that held almost 20 books! Can you help Rok design his tower?

SKETCH YOUR DESIGN

Draw ideas for different column shapes of the tower, then write the number of weights you think each column shape could hold.
BUILD AND TEST A PROTOTYPE

Build each or your design ideas and observe which shape was the strongest.

BUILD AND TEST A FINAL SOLUTION

What shape will you use in your tower design?
Draw how you will build a STRONG tower.

How many weights did your tower hold? ______________

Questions for reflection
1. How did you decide on your tower design?

2. Which shapes worked best? Why?

3. What would you do differently to get your tower to be stronger?

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CORE VALUES SELF-REFLECTION

Circle or color the face that matches your feeling for this activity

<table>
<thead>
<tr>
<th></th>
<th>Amazing Skill</th>
<th>Great Job</th>
<th>Making Progress</th>
</tr>
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<tbody>
<tr>
<td>I helped myself learn.</td>
<td></td>
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<tr>
<td></td>
<td>💖</td>
<td>😊</td>
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<tr>
<td>I followed instructions.</td>
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<tr>
<td>I had fun during this activity.</td>
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