

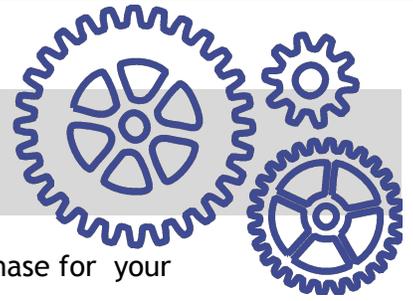
TEACHER INSTRUCTIONS

This editable document is to be used with any engineering design challenge to help facilitate distribution of materials as well as add math practice. To use successfully, distribute these budget pages during the brainstorming phase and assign cost values to the materials you have available for the challenge.

Create a material station. Allow students to send a team captain to collect materials. Provide students a budget for materials and allow them to purchase the materials after calculating that the total cost is within your given budget. For example, students may have \$10 to spend and prices are \$1 for 2 notecards and \$2 for four cotton balls.

You can print the following pages to use, or [get the editable file](#) here to customize for your needs.

Design



Review your brainstorming ideas and decide which materials you will purchase for your design. Complete the budget below and make sure to stay within budget!

Item	Quantity	Cost	Total Cost
Total Budget			
Total Remaining			

Sketch your design idea, and label the parts of the design and materials used. Use additional paper for more space if needed.

Teacher Check! Show this page to your teacher for approval before moving to the next part of the engineering design process. *Teacher Initials:* _____