



# My Engineering Design Proposal

Student Name \_\_\_\_\_

Planned title of project: \_\_\_\_\_

**Step #1: Define a need. Identify what you want to construct and explain its purpose.**

*I want to design and build* \_\_\_\_\_

*The goal of this project is to* \_\_\_\_\_

**Step 2: Research three or more sources on your topic. Write the three sources on the lines below. Your teacher should model this.**

_____	_____	_____
_____	_____	_____
_____	_____	_____

**Step 3: Create design requirements. You need to identify shape, size, weight, physical features, performance, cost, time, etc. How do you plan to test your invention? Write a paragraph below.**

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

## Step 4: Preliminary and final designs

*Beginning designs:* In the box below, draw the beginning design(s) of the prototype you will build with labeled parts.

Signature of student: \_\_\_\_\_

Signature of parent: \_\_\_\_\_

Signature of teacher: \_\_\_\_\_

Date of approval: \_\_\_\_\_