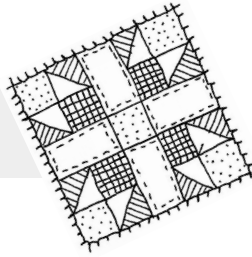


Quilt Based Engineering Design Problem

Find Your Quilt Pattern



Sketch or paste your quilt here:

What is the quilt type? What culture does it come from?

Draw Your Seed Shape



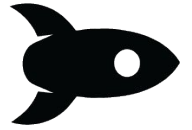
Based on your selected quilt and pattern, make a seed shape.

A large empty rectangular box for drawing the seed shape.

Identify the Problem



What is the goal of the project?



List the constraints:

Brainstorm

List available materials and how they may be used to solve the problem:



Design

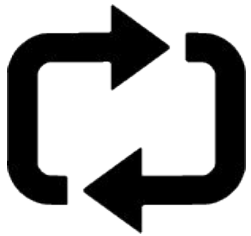
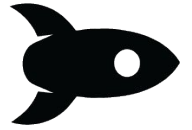


How will you solve the problem? Sketch your design solution below. Label the parts.

Build



Time to build your solution. You may need to change your materials if they do not work as predicted. List any challenges you experience during the building phase here:



Test & Evaluate

Test your design and record the results. Remember that failure is an important part of the engineering process. After each attempt, review the results and make changes to improve your design.

	Test Results	Ideas for Improvement
1		
2		
3		
4		
Final Testing Results:		