

# Checklist

**Name:** \_\_\_\_\_ **Date:** \_\_\_\_\_

## Planning Stage

### 1. Define the Problem:

- ☐ Have we clearly stated the design problem we are solving?

### 2. Set Success Criteria:

- ☐ Do we have a list of criteria that defines what a successful solution looks like?

### 3. Sketch the Design:

- ☐ Have we created a sketch/diagram/outline of our design idea?
- ☐ Does our sketch/diagram/outline include important details and measurements?

## Materials and Resources

### 1. Gather Materials:

- ☐ Have we collected all necessary materials from the Investigation Table?
- ☐ Are we using our materials effectively?

### 2. Check Material Suitability:

- ☐ Are the materials appropriate for our design purpose?
- ☐ Do we have a back-up plan if materials don't work as expected?

## Building Stage

### 1. Follow the Plan:

- ☐ Are we sticking to our design plan while building?
- ☐ Are we making adjustments based on how the building is progressing?

### 2. Team Roles:

- ☐ Is each team member clear about their role in the building process?
- ☐ Are we collaborating effectively and supporting one another?

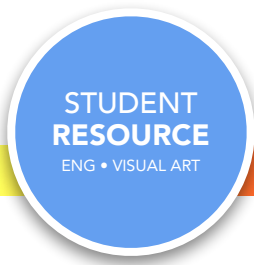
## Testing Stage

### 1. Conduct Tests:

- ☐ Have we tested our design solution as a group?
- ☐ Does our design meet the established success criteria?

### 2. Evaluate Performance:

- ☐ Are we noting what worked well and what didn't?
- ☐ Have we discussed potential improvements based on our tests?



# Exit Ticket

**Name:** \_\_\_\_\_ **Date:** \_\_\_\_\_

How did you use engineering principles?

How did you use visual arts principles?

How did combining these principles enhance your overall design?