

Group Assignment and Roles

Directions: Before beginning the project, it is important to select roles so that everyone knows what they should be doing each day. Because there are only 5 days to work on the project, it is important to divide the work between group members. The roles to select from are:

| | | |
|--|---|---|
| The Manager Your job is to keep the group on task throughout the days and ensure goals are being met. You are primarily responsible for your group's final report. | The Architect Your job is to create the sketch and blueprint and ensure the math is sound. You are primarily responsible for your group's sketch and blueprint. | The Fabricator Your job is create the model for your group (not on your own, but you have primary responsibility). Be sure your model and the Architect's design resemble each other. |
| <u>Manager Signature</u> | <u>Architect Signature</u> | <u>Fabricator Signature</u> |

→ → EVERYONE IS RESPONSIBLE FOR RESEARCH ← ←

Prospective Plan

You will have 5 days to work on this project, those days should roughly look like:

| Day 1 | Day 2 | Day 3 | Day 4 | Day 5 |
|---------------------|--------------------|----------------------------|---------------------|------------------------|
| Truss Demonstration | Design Revisions | Continue construction | Finish Construction | Final Touches |
| Role Assignments | Blueprint finish | Consultations with Teacher | Preliminary Testing | Stress testing |
| KW Activity | Sketch start | Error Analysis WS/HW | Bridge Refinements | Individual Reflections |
| Research | Construction start | | | Group Reflections |
| Blueprint start | | | | |