**The Great Rocket Design Challenge**

**Job Duties**

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| --- | --- |
| **Project Director Duties**The Project Director is responsible for leading the team to overall success. * Fills out business license.
* Oversees the project and keeps others on task.
* Keeps Commander informed of project status and reports on launch results.
* Assists other team members as needed.

*\*\* This is the only person who can ask the Commander questions*. \*\***Comp. and Safety Supervisor Duties**The Compliance and Safety Supervisor is responsible for the monitoring the team’s progress, making sure all rules are followed, and launching the team’s rocket.* Understands all rules and keeps team operating within guidelines.
* Coordinates the team’s launch efforts.
* Ensures the proper use of tools and equipment by all team members.
* Keeps the project running on time. *(Time keeper.)*
* Assists other team members as needed.

\*\* *This is the only person who can launch the rocket. \*\****Structural Engineer Duties**The Structural Engineer supervises the design of the rocket.* Ensure rocket has all essential parts: Body, nose cone, and stabilizers (fins).
* Supervises construction of the team’s rocket.
* Submits neat copy of the rocket scale drawing, using appropriate labels as necessary.
* Assists other team members as needed.

\*\* *This is the only person who can submit the blueprint. \*\** | **Budget Director Duties**The Budget Director is responsible for managing the team’s finances and keeping good records.* Uses the budget spreadsheet to create an itemized list of materials used.
* Keeps accurate account of money and expenses.
* Evaluates if there is money left in the budget for more materials.
* Assists other team members as needed.

\*\* *This is the only person who can submit the budget for approval. \*\****Materials Engineer Duties**The Materials Engineer is responsible for collecting and managing the team’s supplies.* Selects, gathers, and manages team’s materials.
* Ensures efficient and proper use of resources
* Work with mission specialist to manage rentals.
* Assists other team members as needed.

\*\* *This is the only person who can collect purchased materials. \*\****Mission Specialist Duties\*** *\*If there are less than six team members, other members will take on Specialist Duties.* The Mission Specialist must be a versatile individual who can fill any of the above roles and give assistance where the team needs it most. * Works with Project Director to determine whoever on the team needs the most help.
* Conducts research and gathers information to improve the team’s rocket.
* Assists other team members as needed.
* Pump fuel for launches.

\*\* *The Mission Specialist is responsible for handling rentals and fuel pumping. \*\** |

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**Crew Manifest**

**Teachers: Start by assigning 4 students per team to the top 4 jobs, for up to six teams. Then, add a Materials Engineer. \*If there are more than 30 students, add Mission Specialist.**

**Team Name:**

**Project Dir:**

**Budget Dir:**

**Safety Supr:**

**Structural Eng:**

**Materials Eng:**

**Mission Spec:**

**Team Name:**

**Project Dir:**

**Budget Dir:**

**Safety Supr:**

**Structural Eng:**

**Materials Eng:**

**Mission Spec:**

**Team Name:**

**Project Dir:**

**Budget Dir:**

**Safety Supr:**

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**Materials Eng:**

**Mission Spec:**