**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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