

Request for Proposals

The United Space Authority (USA) is seeking competitive bids for a new advanced rocket launch that will reduce the costs of launching payloads into Earth orbit. This rocket will become the primary means for delivering supplies to the International Space Station. Interested companies are invited to submit proposals to USA for designing and building a rocket that will meet the following criteria.

The objectives of Project NAG-1314 are:

1. Design and draw a rocket plan to scale (1 square = 2 cm).
2. Develop a budget for the project and stay within the budget allowed.
3. Build a test rocket using the budget and plans developed by your team.
4. Identify rocket specifications and evaluate rocket stability by determining center of mass and center of pressure and conducting a swing test.
5. Display fully illustrated rocket design in class using a google presentation. Include: dimensional information, location of center of mass, center of pressure, and flight information such as time aloft and altitude reached.
6. Successfully test launch rocket achieving maximum vertical distance and accuracy.
7. Successfully and accurately complete rocket journal.
8. Develop a cost analysis and demonstrate the most economically efficient launch.

Proposal Deadline:

Two weeks.