



### Mailbox Challenge

In this project, students will design a mailbox for their school to receive the postcards so they can be gathered and sent to Club for the Future. If you are unfamiliar with the postcards into space program, please review the relevant information and our YouTube video at:

<https://spacegatestation.com/postcards-to-space>

Students will create a mailbox and place it in their school to actively support student participation in this program. The visual appearance of the mailbox must encompass the subject **“Commercial Space Stations and Habitats”**, and the actual final product design must meet the following criteria:

- The mailbox must be easy to use, and construct
- The security of the postcards and ease of mailing and mail retrieval must be considered.

The mailbox must be designed according to the following specifications: minimum 15"W x 15"D x 40"H not including any base or support structure for the mailbox. The area holding the mail must represent at least 50% of the total interior dimensions but may not exceed the overall size restrictions.

The Mailbox must also incorporate in its design the following logos:

- The participating School's emblem or logo
- Club for the Future/Blue Origin logo
- Student Astronaut Challenge Logo

Comprehensive design plans (perspective drawings, schematics, materials, costs, etc.) must be provided to the judges during the 30-minute presentation. Students must construct a true-to-size mailbox made of rigid material and display it at the competition. Detailed photographic evidence of the construction in their overview presentation using Power Point should be included. A hard copy of the presentation for the judges is recommended as well.

**REMEMBER:** Internet access cannot be guaranteed at the competition; therefore, all presentations should be made available on a flash drive for presentation.