

Committees

Students will be assigned to one of the following committees. Each committee will be comprised of students from a variety of countries.

_____ **Flight Operations:** This committee works on flight planning, spacecraft design, and planning of living and working on the spacecraft during flight. Plans will include method of travel, energy sources, science experiments, and in-flight social activities. The final outcome will be a space transportation vehicle design with a detailed description.

_____ **Habitat:** This committee develops detailed plans on how the crew will live and work on an extra-solar planet. These plans will include living and working quarters, energy production, and manufacturing and production of materials and goods. The final outcome will be a visual model of a first colony on another planet with a detailed description of habitat nodes.

_____ **Communication:** This committee develops communication systems both for the flight and within the new colony. This includes production of material such as TV shows, systems for electronic communication, and detailed plans for hardware necessities. The final outcome will be an electronically formatted briefing with a detailed description of plans for communication during flight and while living in the new colony.

_____ **Cuisine & Nutrition:** This committee develops plans for meeting nutritional needs of crew members during flight and while living in the new colony. Plans will include production and preparation of food and water in the new colony. The final outcome will be to prepare and serve a five course meal to be evaluated by judges.

_____ **Transportation & Apparel:** This committee develops plans for use in the new colony such as modes of transportation, appropriate suits and clothing, and technology for protection from the environment. The final outcome will be a design with detailed description of a transportation device, exploration suit, and protective science and technology plan.

_____ **Education & Recreation:** This committee develops plans for education, extracurricular activities, and social activities for colony inhabitants. The final outcome will include a detailed design and description of a K-16 education campus, sports facilities, and theaters for the arts.

_____ **Industry & Goods:** This committee develops plans for execution of industry, production of trade locations, and leadership management for future colony planning. Plans will include details for regulation of industry, transportation of goods, production of resources, and future expansion of the colony. The final outcome will be a detailed design and description of a currency flowchart of a successful business model.

_____ **Terraforming:** This committee develops science, technology and logistics required for life in the new colony. Plans will include new technologies, nanotechnology, time frame and scope of work for continual habitation, and energy consumption. The final outcome will be a visual display of climate zones with key technological equipment and a detailed description of the plans.

_____ **Executive Administration:** This committee develops detailed plans for the colony's government. Plans will include establishment of rules, methods for enforcing rules, establishment of monetary trade system, and type of governmental system. The final outcome will be a detailed flowchart of executive powers, laws, and regulations with description.

Committee and Sub-committee Leaders:

The Global Cooperative Challenge is a one-of-a-kind opportunity that will bring together students from around the globe to solve world-wide issues and problems. The challenge requires students to be good in leadership skills, organization, communication, creativity, and cooperation. As part of this challenge we will be selecting one committee leader for each group with three sub-committee leaders to assist in producing a highly effective project.

Students interested in participating as either a committee leader or sub-committee leader will answer the questions below in an essay format and submit it with the registration. The paper should be typed, double spaced on a separate sheet of paper and include a minimum 250 words. Students should be sure to specify if they wish to be a committee leader or sub-committee leader.

- 1.) What type of qualities do you think good leaders display?
- 2.) When leading a team what essential skills are required to be successful in your endeavor?
- 3.) What leadership skills do you display in leading a group?
- 4.) How will you be effective in leading, organizing, and communicating with your team in this challenge?
- 5.) What would people say about your leadership style/skills?
- 6.) What are your personal strengths and weaknesses?