



Global Cooperative Challenge Individual Registration Form

Registration must be completed online at <http://simba/qcc/login.aspx>.

Date of Application _____

Event Date _____

Student Information

Student Name: _____ Country: _____

Chaperone Name: _____

Home Phone Number: _____ Student Birthday: _____

Student Email Address: _____

Charges

Required Fees:

Participant (includes 3 days of lunch vouchers for the Zero-G Diner, buffet style dinner on arrival date, celebration dinner at conclusion of program, all materials, tours of Johnson Space Center and Space Center Houston, and online portal access with videos and advice from the experts) **\$549.95**

Chaperone (no activities)

(includes 3 days of lunch vouchers for the Zero-G Diner, buffet style dinner on arrival date, celebration dinner at conclusion of program) **\$150.00**

Chaperone (with activities, such as building a water bottle rocket, a lander, and a rover, analyzing rocks found on Mars, and programming a robotic rover)

(includes 3 days of lunch vouchers for the Zero-G Diner, buffet style dinner on arrival date, celebration dinner at conclusion of program, all materials and a Space Center Houston group leader for the activities) **\$300.00**

Optional Charges (Please fill in the blank with the number of each selected optional charges.)

_____ Kemah Boardwalk Outing (includes \$25 gift card to use at any of the Landry's Restaurants and tickets to ride the Boardwalk Beast and the Kemah Train) **\$60.00**

_____ BBQ at Clear Lake City Park (includes full-course BBQ dinner at a park by Clear Lake) **\$40.00**

_____ Specially-designed t-shirt, exclusively sold for the Global Cooperative Challenge event **\$12.00**



Payment Information

Circle Credit Card Type:	VISA	MasterCard	American Express	Discover
Credit Card Number:	_____			Exp. Date: _____
Name on Card:	_____			CVV#: _____
<i>I agree to have my credit card charged in the amount of \$</i> _____				
Signature:	_____			
Cashier Check#	_____			

Students will be assigned to one of the following project teams. Please rank the teams below according to your preference (1 for most preferred and 5 for least preferred). Every effort will be made to assign each student to one of their top three team preferences; however team assignments are not guaranteed.

_____ **Flight Operations:** This project team works on flight planning, spacecraft design, and planning of living and working on the spacecraft during flight. Plans will include multiple trips to Mars to deliver 25 people, supplies, equipment, robotics, etc. The journeys will take place over the course of 5 years. The project team will focus on method of travel, energy sources, and science experiments. The final outcome will be space transportation vehicle designs and models with a detailed description of the trips and payload for each trip.

_____ **Habitat Planning:** This project team develops detailed plans on how the crew will live and work on Mars. 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 Mars with a detailed description of habitat nodes, as well as preliminary blueprints for future colony growth.

_____ **Resource Management:** This project team develops technology to produce and recycle oxygen, water, and energy. The team also devises innovative solutions to handle waste products. The final outcome will be a detailed description of systems and models of the systems which will produce and recycle the resources.

_____ **Agriculture Production:** This project team develops detailed plans for meeting nutritional needs of crew members and future colonists. These plans will include plant/food production, the packaging/preservation procedures, and equipment/robots necessary to complete the work of this project. The final outcome will include a detailed description and visual model of the procedures necessary to insure that all colonists will have adequate nutritional resources available.

Terra-forming/Atmosphere Restructuring: This project team develops plans and timelines for transforming the surface and atmosphere of Mars. Plans will include new technologies, time frame and scope of work for continual habitation. The final outcome will be a visual display of climate zones with key technological equipment and a detailed description of the plans.

Project and Team Leader Questions:

The Global Cooperative Challenge is a one-of-a-kind opportunity that will bring together students from around the globe together 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 project leader for each group with one-to-four team leaders to assist in producing a highly-effective project. If you are interested in participating as either a project leader or team leader, please answer the questions below in essay format. The paper should be typed, double spaced on a separate sheet of paper and include a minimum 250 words. Make sure to specify if you wish to be a project leader or team leader. The essay must be submitted to gcc@spacecenter.org by the application deadline of February 28, 2012.

- 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?