

# Corporate Team Building Programs



The teambuilding programs at Challenger are designed to: increase effective communication, active listening, collaboration, problem-solving in a fun, yet challenging atmosphere.

Among the programs we run are:

## **Return to the Moon, (approximately three hours) Cost \$1200**

Your group is in charge of NASA's and America's hope to revitalize its space program and Return to the Moon. The mission begins with the group divided into two teams, the spacecraft crew in Earth's orbit and the Mission Control team monitoring the crew's status. The crew aboard the spacecraft will leave Earth's orbit and travel to the Moon using the latest in transport technology to reduce the travel time. The crew will navigate their spacecraft to the Moon and plot an acceptable orbit. Together, the crew will place their spaceship into lunar orbit and make the important decision of the location of the first permanent lunar base. To gather the data needed to analyze potential lunar base sites, the crew will have to function as a team and utilize their best communication and analytical skills. But, be prepared for the unexpected ... you never know what awaits your team in space!

## **Rendezvous with a Comet (approximately three hours) Cost: \$1200**

Take part in a daring trek of exploration as, once again, comet Encke travels close to the Sun and Earth. This time, human space travelers, as well as space probes, will undertake scientific missions to the great comet. Years of planning and hard work have been invested to get to this moment. Team members in both the Spacecraft and Mission Control must work together to rendezvous with the comet's tail, and successfully launch a scientific probe. Along the way, team members will also encounter many important tasks that need to be performed.

## **Voyage to Mars (approximately three hours) Cost:\$1200**

The time frame for this mission is in the not so distant future, when humans have established a permanent base on Mars. Team members will serve as the first crew on Mars and the relief crew en route to the planet. While on the Martian surface, the team will have collected and analyzed a great number of samples and data. This information is vital to scientists for a better understanding of the planet.

***A minimum number of 16 are needed for our in-simulator exercises, and the maximum number of participants is 32.***



### **Operation Montserrat (approximately three hours) Cost: \$1000**

Your group will be entrusted to save the lives of the residents of the Caribbean island of Montserrat, home to one of the world's most active volcanoes. Based on a real life scenario, this team building program will have your group tracking the lava flows of the volcano, estimating the path of a Category 5 hurricane, and devising a plan to get the residents out of harms way, and communicating with a command central to make the rescue operation run smoothly. ***There is a minimum of 8 people required in this mission and a maximum of 25 per session.***

### **Workshops**

#### **Apollo 13 (approximately two hours) Cost \$500.**

Houston, we have a problem! If you remember the blockbuster movie Apollo 13, then you will enjoy this two-hour team building program designed by the Challenger Space Center staff. Your group must become quick thinking engineers and design, build, test and re-test a critical CO2 filter to save the lives of the crew of the Apollo 13. Using only the materials available aboard the space craft, the challenge is to think "outside of the box" and construct this critical component and thus save the crew from perishing. But can you do it within the time allowed?

### **Material Engineering Challenges**

#### **Heat Shield / Materials Challenge (approximately two hours) Cost \$500**

The next generation of passenger air travel at speeds faster than sound, starting as soon as the year 2015. Your team has been selected to submit a design for the new surface shield used for these planes. In order to win the contract, you must build a shield capable of surviving the heat of reentry and extreme environments of earth's upper atmosphere. It must also be as economical and lightweight as possible. The fun begins as your group designs the heat shield and puts it to the ultimate test, two minutes in front of a blow torch.

#### **Stardust (approximately two hours) Cost: \$500**

STARDUST is an engineering team builder where participants will design a version of the STARDUST probe to fly through the coma of a comet, collecting material for scientists to analyze on Earth. Each team designs and builds a model of their probe using the parts available while trying to maintain their budget. Once the STARDUST probe is complete, the teams present their probe to our Flight Director and try to sell their design concept.

***A minimum number of 8 are needed for these exercises. Our workshops can be up-sized to accommodate your group, since they take place in a classroom setting. Additional fees will apply for groups with more than 32 participants.***

As with all our team building programs, included in the cost is the use of a meeting room for one hour to discuss lessons learned. We also offer all-inclusive meeting room packages, if you would like to extend your stay with us. Rooms can be set to your preference. These packages include wifi and AV Equipment, at no additional charge!

Contact [SpecialEvents@azchallenger.net](mailto:SpecialEvents@azchallenger.net) or call (623) 322-2044 for further questions or booking your program!

