Space Explorers BRUSHBOT FESTival
Families Exploring Science Together

Children and their parents are partners in a night of discovery and hands on science experiences.

presented by Future Flight Hawai‘i, Hawai‘i Space Grant Consortium, University of Hawai‘i at Manoa

How science really works!  Curiosity + Joy + Dreams + Thrills + Wonder + Interest + Surprise + Creativity = Discovery....and it’s Fun!!

We are all scientists!  Children and scientists have much in common.  Naturally inquisitive young children ask endless questions...they may spend half an hour watching a bug crawl on the floor, experiment by pouring water into soil or mixing different colors of paints or add blocks to a tower until it falls.  They draw conclusions about the way things work…..they learn from and share information with others.

Family science programs:
* help parents to be actively involved in the science learning of their child
* encourage children and parents to work together
* foster home/school partnerships
* engage parents and students in thinking and working scientifically
* assist parents to encourage an interest in science in their child in the home
* help students to learn through active engagement in learning experiences

You are invited to bring Future Flight Hawai‘i’s Space Explorers BRUSHBOT FESTival to your school.....this free program, sponsored by the Hawai‘i Space Grant Consortium, will be offered on a limited basis.  The program features science demonstrations, a “what is a robot” overview, and participants will build their own brushbot and compete in a speed race and a sumo tournament.

Presenters: Art and Rene Kimura, Future Flight Hawai‘i.

Schedule:
5:00 p.m.: Future Flight staff arrives to begin unloading materials
5:00 p.m.: facility available for set up (recommended facility: cafeteria)
5:30 p.m.: volunteer teacher briefing
5:45 p.m.: registration of participants by host school, inquiry activity during wait period
6:10-7:40 p.m.: science demonstrations, hands on activities, brushbot competition
7:40-7:55 p.m.: closing demonstrations and conclusion

Requirements:
1. participant eligibility: students in grades 2-8, each student accompanied by a parent
2. minimum of 8 classroom teachers who are not accompanying students: to assist in distribution of materials, hosting glue stations and teams, and cleanup of materials (teachers should report by 5:30 p.m.); also 2 other volunteers to host registration table
3. video projector with computer and screen (to show powerpoint), DVD player/large TV, microphone/PA (wireless lapel microphone), two 6 – 8 foot table at the front for demonstrations/display
4. adequate tables/chairs for students/parents to sit together (cafeteria preferred)
5. minimum number of students: 54; maximum number of students: 72 (each student to be accompanied by a parent; siblings should not be brought to the session); please provide confirmed list of teachers (and their grade level) and confirmed student count at least 3 weeks prior to the program

Limited availability.  To schedule this program, email Art Kimura, Program Director, Future Flight Hawai‘i, art@higp.hawaii.edu (provide: name of school, name and home phone number/email address of coordinator or contact, number of students anticipated for this program, confirmation of at least 6 classroom teachers who will be there to support the program). Future Flight Hawai‘i, Hawai‘i Space Grant Consortium, P.O. Box 6412, Hilo, HI 96720-8927; phone/fax (808) 934-7261; Future Flight Hawai‘i web site: http://www.higp.hawaii.edu/futureflight/; http://www.honoluluadvertiser.com/apps/pbcs.dll/article?AID=/20060127/NEWS01/601270352/1001
Honolulu Advertiser article about the Family science night: http://the.honoluluadvertiser.com/article/2002/Feb/28/ln/ln42a.html

In honor of exploration and explorers, Flight Hawai‘i is honored to provide this program to schools.