

activity two

Design Your Own Mission Patch

OBJECTIVE

This aerospace activity is designed to give the children an opportunity to create their own artistic symbol of a mission they would like to take into space.



NATIONAL SCIENCE STANDARDS

Content Standard E: Science and Technology

- Abilities of technological design
- Understanding about science and technology

Content Standard G: History and Nature of Science

- Science as a human endeavor

PROCEDURE

The procedure is very open on this project. Depending upon the age of the class, the teacher/ AEO is encouraged to:

1. Plan a mission to somewhere in space.
2. This mission can be an orbital experiment involving only the Space Shuttle.
3. It can be a mission to conduct a series of experiments on the International Space Station.
4. It could be a deep space excursion to another planet like Mars.

It is recommended that the teacher show the children various patches of previous NASA missions. Then using whatever color media is most available, produce a patch for each child and showcase it in the classroom.

Let's take a look first at a beautiful mission patch (shown at beginning of activity) and the symbolism that it displays for a group of astronauts and the International Space Station. According to the web site that featured this particular patch, the following explanation was given:

"The STS 100 emblem reflects the complex interaction of robotic and extravehicular activity (EVA) on this mission. During the mission, spacewalks will be conducted to deploy the International Space Station Remote Manipulator System

(SSRMS). The EVA helmet frames the patch, with the Canadian-built SSRMS shown below the visor. Reflected in the visor is the Space Shuttle Endeavour, with the International Space Station rising above the horizon at orbital sunrise. Endeavour's payload bay houses a Spacelab pallet, itself holding the SSRMS and the Space Station Ultra High Frequency Antenna, and the Italian-Built Multi-purpose Logistics Module "Raffaello." American, Russian, Canadian, and Italian astronauts compose the crew and flags are stylized in the lower portion of the emblem. Ten stars adorn the sky representing the children of the crew and the future of space exploration. The NASA insignia design for Shuttle flights is reserved for use by the astronauts and for other official use as the NASA Administrator may authorize."

Examples from the Rich History of Aerospace



Use this as your sketch pad. It's time to get creative!!!

