

Design our Mission Name and Emblem!

A mission emblem is an image that visually represents the details of a mission such as name, objective, theme, origin, collaborators, or even the spacecraft itself. The emblem is able to convey to everyone what makes the mission unique and its contributions to science and technology.

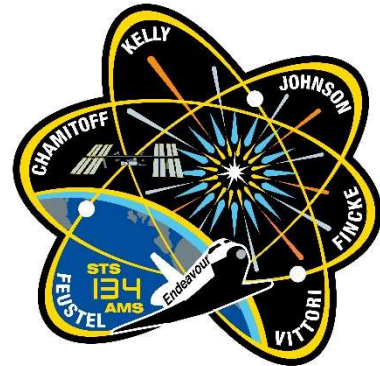
Here are some examples of spaceflight mission emblems:



Apollo 11

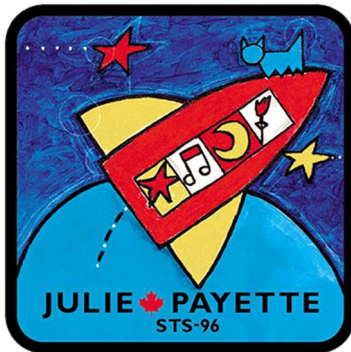


Apollo 13



Space Shuttle Endeavour

Canadian Astronaut Patches:



Julie Payette



Chris Hadfield



Robert Thirsk

CubeSat Patches:



University of Manitoba
Space Applications and
Technology Society



University of Toronto
Institute for Aerospace Studies
SpaceFlight Lab



University of Alberta
AlbertaSat Ex-Alta 1

The emblem can be any self-contained shape and includes many different colours, shapes, pictures and names that represents its mission.

What's in a name?

A mission name has the same job as the emblem but uses words instead of pictures. It is harder to combine all the different elements into a simple euphonic name that reflects the overall mission. The background and nature of the mission is also used to draw some inspiration or parallels from our culture. Some naming techniques include:

- Acronyms (ex. NASA, ISS)
- “Backronyms” where you take a word first and then turn it into an acronym (ex. MESSENGER)
- Legends in mythology (ex. Apollo, Mercury, Juno)
- Historical figures (ex. Magellan, Galileo, Cassini)
- Historical ocean ships (ex. Columbia, Atlantis, Argo)
- Symbolism using words (ex. Spirit, Opportunity, Discovery)
- Personification (ex. Challenger, Voyager, Ranger)
- Combining two or more words (ex. Canadarm, SkyLab)

Tell me about your satellite?

Here are some details that will help you create your mission emblem and name.

Mission Objective: Innovate nanosatellite design methods and technology
Making space more accessible for everyone
Showcase capabilities of smaller, low-cost, student-designed satellites

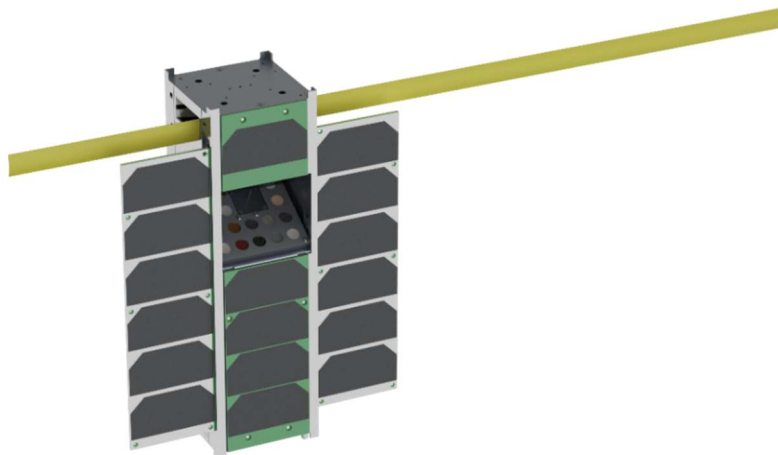
Theme: Astronomy and Geology, Education, Technology Demonstration

Payload: Sending meteorite samples back into space
Experimental gnomon (space sun dial)

Origin: Winnipeg, Manitoba, Canada

Collaborators: Canadian Space Agency, University of Manitoba, University of Winnipeg,
York University, Interlake School Division, Magellan Aerospace

Spacecraft:



Need More Inspiration?

This is the rationale behind the emblem design for Canadian astronaut David Saint-Jacques.



David Saint Jacques' mission patch represents the power of dreams. By igniting human creativity and genius, dreams lead to progress. It also evokes the central role that space exploration has played in the evolution of our perspective of life on Earth.

The North Star (dreams) and compass rose (reason) make up the central element of the patch. In the same way that these have provided direction for explorers, dreams guide and inspire us without becoming an end in themselves.

The trail of the star is composed of four colours. Red (energy and passion), orange (creativity) and white (science) stand for the human ability to innovate and push the limits of what is possible. The blue portion is crescent-shaped, resembling the reflection off a lens, and symbolizes the international collaboration so crucial to the space program in the past, present and future.

The other four stars represent the men and women who work behind the scenes, putting all their talent to work to ensure this Canadian mission is a success. They also signify the astronaut's family, the shining constellation of which he is most proud.

Finally, like a blue jewel in the universe, Earth figures prominently on the patch. From space, our planet can be seen in its full splendour but also in all its fragility. Space exploration gives us a new perspective on our world, fosters our environmental responsibility, and fuels our dreams of peace.

How do I enter?

1. Download the template(s) from the website (<http://umstarlab.ca/mbsat/contest.html>)
2. Fill in your information
3. Draw your logo!
4. Name our satellite!
5. Write a short description of what inspired your designs
6. Scan and email your entries to **contest@umstarlab.ca**