

Middle School Website Design

2017 Design Brief

“Mission to Mars”

I. CONTEXT

On July 20, 1969, the United States space program made history when an American walked on the moon. On July 21, 2011, the United States space shuttle program ended its thirty-year mission when the shuttle Atlantis touched down in Florida. Now, private companies are pushing the race to space.

Does humankind still dream of one day standing on the “Red Planet” or is that vision lost? Where do we go from here? Who will lead the charge to explore the worlds in our solar system? Could it be you?

II. CHALLENGE STATEMENT

Design a series of web pages that highlights the privatization of space exploration and the ongoing search for ways to explore our solar system – including the possibility to eventually colonize Mars.

As part of the solution, teams should:

1. Highlight the privatization of space exploration and the ongoing search for ways to explore our solar system.
2. Provide an interactive timeline of the recent history of the privatization of the space program and the U.S. space program dating back to 1990.
3. Include information about the evolution of space vehicles, both manned and unmanned, used in the space program - with a special focus on current and proposed designs.
4. Highlight five career fields that are developing or that currently exist in the fields of aerospace or aeronautics related to space program/exploration.
5. Discuss both the positive and negative impacts on our society if humankind fails to explore and eventually inhabit other parts of our solar system.
6. Include at least two multimedia interviews with individuals who work in fields related to the space program – such as, aeronautical engineering or aerospace engineering. Interviews must be conducted by team participants.
7. Provide a resources page. **Place a link on this page that allows the viewer to download a PDF copy of your Student Copyright Checklist [Regulation E] and/or Plan of Work log [Regulation F].**

III. EVALUATION

Thought should be given to effective website design practices and cross-platform compatibility. All entries must be compatible using the latest versions of Internet Explorer, Firefox, and Chrome. Teams should strive to create a clean, easy-to-use website that features an excellent presentation of the required content. Teams are reminded that ALL work (design, content, and markup/code) must be the product of the 2016-2017 school year. Teams should be very careful not to inadvertently plagiarize information from other sources, and instead give credit where credit is due; this includes the use of videos in the entry. Interviews must be conducted by the team only.

Submission: Entries must be completed, accessible on the Internet, and submitted via the link below no later than 11:59 p.m. PDT on May 15, 2017.

<https://goo.gl/forms/1m13e1dqPWZxFgBc2>