

# Challenger Center

## Expedition Mars Pre-Mission Training

September 22, 2018

9:00am-3:00pm



1. Welcome/Intro Icebreaker
  - Basic Coding Earth to Mars
2. Scobee Education Center Resource Page
  - <https://challengerscobee.org>
  - Click on Training – Click on Expedition Mars Pre-Training Mission –
  - **Password: Curiosity**
3. Informational Items/Forms: Contact info, Directions/Map, Mission Description, TEKS
4. Mars Crew Manifest
  - Job Descriptions page
  - Crew Application
  - Crew Manifest
  - Google form
  - [www.FlipGrid.com](http://www.FlipGrid.com)
5. Mission patch activity/Video
  - NASA eClips: Mission Patches
  - <https://www.nasa.gov/audience/foreducators/nasaclips/index.html>
  - [https://youtu.be/KF3d\\_9zMGSo](https://youtu.be/KF3d_9zMGSo)
6. Expedition Mars Mission Briefing
7. Expedition Mars Storyline: [www.storyboardthat.com](http://www.storyboardthat.com)
8. Explore Expedition Mars Mission in Challenger Center Simulators

**Lunch 11: 45-12:30 (Please be back by 12:30 so we can dismiss on time ;))**

9. Blue Marble Matches/Comparing Earth & Mars
10. Getting to Mars: Space Launch System (SLS)
  - SLS Design
  - Stomp Rockets
  - <https://www.nasa.gov/exploration/systems/sls/index.html>
  - <https://www.nasa.gov/exploration/systems/sls/outreach/activities.html>
11. Mars VR: Mars Walk/Liftoff VR
12. Northside GT Teachers traveling with 1<sup>st</sup>-3<sup>rd</sup> Grade Meet with Ellen White

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13. Year of Education on Station/STEMonstrations
  - <https://www.nasa.gov/stemonstrations>
14. Christa's Lost Lessons
  - [https://www.challenger.org/challenger\\_lessons/christas-lost-lessons/](https://www.challenger.org/challenger_lessons/christas-lost-lessons/)
15. NASA's 60<sup>th</sup> Anniversary & Apollo 50<sup>th</sup> Anniversary
  - <https://www.nasa.gov/specials/60counting/earth.html>
16. National Observe the Moon Night
  - <https://moon.nasa.gov/observe-the-moon/annual-event/overview/>

### **Mars Videos:**

50 Years of Mars Exploration  
<https://youtu.be/pwipxdQ74pU>

Characteristics of Mars vs. Earth  
<https://youtu.be/VvqANiuGcyo>

Seven Minuets of Terror  
<https://youtu.be/h2l8AoB1xgU>

Space School Mars  
<https://youtu.be/IEDqgy5IRFU>

### **Websites:**

<https://www.nasa.gov/topics/journeytomars/index.html>

<http://www.lpi.usra.edu/education/>

<https://marsed.mars.asu.edu>

<https://www.jpl.nasa.gov/edu/>

<https://www.nasa.gov/exploration/systems/sls/index.html>