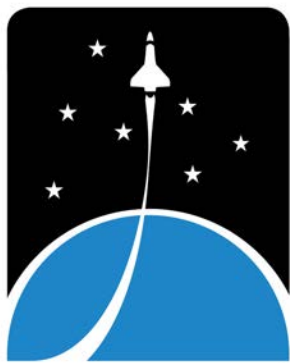


# PASSPORT



**Challenger**<sup>®</sup>  
C E N T E R

## Journey to Mars

Today's Journey to Mars  
Community Engagement Day takes  
you through five phases of settling  
on Mars: **planning, launch, feeling  
the health effects of lower  
gravity, living on Mars, and  
working on Mars.**

Each station acts as a phase of the  
settlement and has an activity  
related to that stage. The phases  
can be completed in any order.

Name \_\_\_\_\_

Date \_\_\_\_\_

City \_\_\_\_\_

State \_\_\_\_\_

# INSTRUCTIONS

This passport is your guide through settling on Mars. Each station has either one or two activities related to that phase of settlement. When you complete an activity, ask a staff member to put a stamp in that box on your passport. Remember, you can do these activities in any order you would like. After you get a stamp from each activity, you have successfully settled on Mars.

# Countdown to Launch!

## Phase 1: Prepare for Launch

SLS Design

## Phase 2: Build the Rocket

Build a Straw  
Rocket

## Phase 3: Feeling the Effects

Weight, Density,  
and Blood Flow  
Comparisons

## Phase 4: Living on Mars

Mars Community  
Builder App

Design Your  
Living Quarters  
on Mars

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## Phase 5: Working on Mars

Build a Mars  
Rover

Program a Mars  
Rover

## Let's Launch!



Ready to learn more about planetary science? Check out our new animated series for videos and activities on Mars, Stars and the Sun, Earth's Moon, Near-Earth Objects, our Solar System, and Space Exploration.

[www.challenger.org/letslaunch](http://www.challenger.org/letslaunch)

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## Mars Community Builder

Want to use the Mars Community Builder Augmented Reality App at home? **Download it for FREE** from Google Play or iTunes. Access the trigger cards in the app's Help section.



# LEARN MORE!

## **Curiosity goes to Mars!**

Find out why Curiosity is the best name for the largest rover ever sent to another planet. Learn about the challenges of landing on a planet with such a thin atmosphere.

<https://nasaclips.arc.nasa.gov/video/launchpad/launchpad-curiosity-goes-to-mars>

## **Investigating Mars with the Phoenix Lander**

Find out about the amazing discoveries made on Mars with the Phoenix Lander, like how it uncovered water ice on Mars.

<https://nasaclips.arc.nasa.gov/video/ourworld/ourworld-investigating-mars-with-the-phoenix-lander>

## **Life on Other Worlds**

Explore the possibility of finding life on other planets. Find out about extremophiles and what makes a habitable zone for life as we know it.

<https://nasaclips.arc.nasa.gov/video/ourworld/ourworld-life-on-other-worlds>

## **Food for a Mars Mission**

NASA must find a way to provide food for astronauts that fits into very limited space. Learn about new techniques in food processing.

<https://nasaclips.arc.nasa.gov/video/launchpad/launchpad-food-for-a-mars-mission>



[www.challenger.org](http://www.challenger.org)

About Today's Event

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