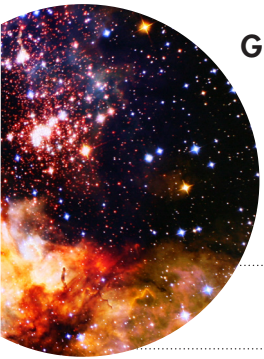


CHABOT SPACE & SCIENCE CENTER GALAXY GUIDE

Recommended for Grades 4-8

This guide has questions and prompts for all of our exhibit spaces. As you move through the Center, fill in the blanks below!

Name:



GOING THE DISTANCE

Can you find the tallest point on Mars? How about the lowest? What features on Earth do they remind you of?

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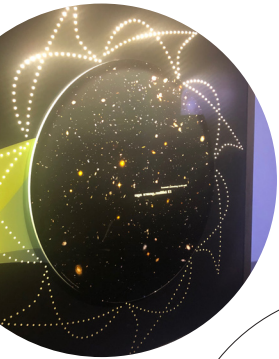
TOUCH THE SUN

Try the ferrofluid station. What happens to the liquid as you bring the magnet closer to the table? Why might this be important? This is one of the ways that scientists ensure that rocket fuel will be drawn into an engine in the weightlessness of space!

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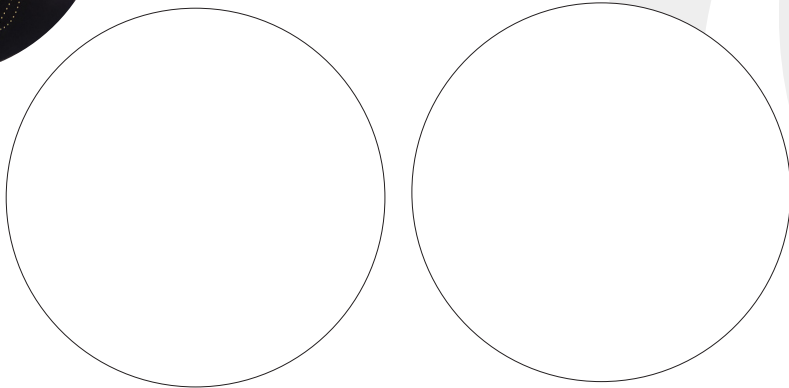
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DESTINATION UNIVERSE

Grab a ball and spin it in the gravity well to create an orbit. Can you find a way to make the orbit last longer? Can you make it shorter? Draw the path of the ball for each:



COURTYARD

Find the Pleiades star cluster in the courtyard and read the stories posted. Use the space below to connect the stars into your own constellation character and write a short story.

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MEZZANINE / SKYBRIDGE

Get in the astronaut suit! You're going to space! Make a short story about what planet you're going to, what you're going to study there, and what you're bringing.

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Touch the glass. Is it hot or cold? Is the weather here the same or different as the weather when you left school? Why do you think that is?

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Have your chaperone lead you through a see-think-wonder at the machine in the glass box. The steps are posted beside this exhibit.



MOON LANDING

How tall are you? How many of you could you fit in the Saturn V rocket?

$363 \text{ feet} \div \dots\dots\dots (\text{your height}) =$
 $\dots\dots\dots$ of you could fit in the
Saturn V Rocket!



..... **TELESCOPES**

Choose a partner and look at their pupils (the black part in the center) inside the telescope dome. Now look at their eyes outside. How do their pupils change when you move from a darker place to a brighter place? This is how telescopes see, too! The wider a telescope's lens, the more light they let in which makes them more powerful at seeing stars at night.



OBSERVATION DECK

This TV isn't showing you color, but heat! What's the warmest part of your body? Is it the same body part as other people in your group?

Find a quiet place and listen closely. On one hand count how many natural sounds (like wind, birds, etc.) you hear. On the other hand count how many human-made sounds (like cars, voices, doors) you hear. Which did you hear more of?

Head to the sound observatory. How many of the sounds can you identify?

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