



# Space Science Researcher

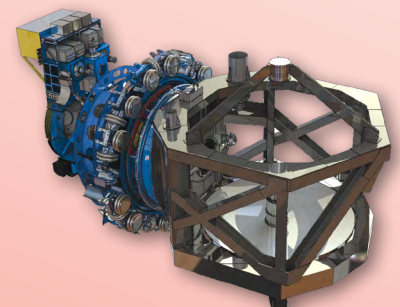
**S**cientists have used the observation and exploration of light to make discoveries that deepen their understanding of the Sun, stars, and other objects in space. In this badge, you'll re-create some of these scientific experiments, observe the night sky with your own eyes, and explore the possibility of seeing light in new ways.

## Steps

1. What more can you see?
2. Explore “invisible” light
3. See the stars in a new way
4. Expand your vision
5. Conserve the night sky

## Purpose

When I've earned this badge, I will understand more about the amazing properties of light and how we use it to make discoveries about the Universe and space science.



SOFIA telescope

“It’s an incredible Universe we’re in and how could you do anything but try and learn about it?”

—Vera Rubin,  
astronomer honored with  
the National Medal of Science  
who discovered dark matter