



Courtesy: NASA

# Space Science Expert

**F**or most of human history, the planets and stars have only been tiny points of light, floating in a dark sky many millions—or even trillions—of miles away. People began by organizing the sky into constellations, cataloging the stars by brightness, and, then the invention of the telescope harnessed the power of light and expanded our view! Now, it’s your turn to explore light and discover what it teaches us about the Universe!

## Steps

1. Uncover the stuff you’re made of
2. Explore the brilliance of the stars
3. Discover telescopes as light collectors
4. Find the light in the darkness
5. Share your knowledge

## Purpose

When I’ve earned this badge, I will understand more about the Universe—my place in it and how light is used to make discoveries about it.

*“It takes a cosmos to make a human; we are all made of stardust.”*

—Jill Tarter,  
Trustee and Emeritus Chair for  
SETI Research at SETI Institute