

# Space Science Expert

Complete the five steps to earn your Space Science Expert Badge.

1. **Uncover the stuff you are made of:** Explore the origin of dark [matter](#)/dark energy and why it continues to stump scientists even today.

Take some time to think about what you are “made” of. What makes you unique? What gifts/skills do you have that could change the world?

2. **Explore the brilliance of the stars:** Explore the origin of constellations in this [video](#) and challenge yourself to create your own. Be sure to include a name for your constellation as well as a backstory for how it came to be.
3. **Discover telescopes as light collectors:** Check out this [video](#) about the science of telescopes to learn more about their role as light collectors. After you watch the video, challenge yourself to build your own telescope using materials you find outdoors or around your home. When your telescope is complete, take an evening walk after dark and scan the skies.
4. **Find the light in the darkness:** Check out this footage from [NASA](#) featuring upcoming 2020 missions. After you watch the video, challenge yourself to design/build a solution that will assist NASA on one of their upcoming missions. Share your creations with GSCWM by tagging us on social media!
5. **Share your knowledge:** Share your findings by creating a short video or writing a blog post about the mysteries of the night sky!