Providing STEM learning opportunities at home can be a daunting experience for parents & caregivers, but it can also be an opportunity to investigate new STEM topics and to develop new ways of learning. Here are a few tips that can help smooth the way:

Tip#8: Build Language Skills – Especially Bilingual Skills

One of the common skills that is needed in working with hands-on activities in STEM is communication and use of language skills. STEM content not only presents students with new vocabulary, but often with use of language in new ways. Take a moment to make lists or word-walls of new terms that your student encounters in their STEM investigations. If the student is building bilingual or multilingual capabilities, celebrate this and encourage use of bilingual skills in written and spoken form. For example, a science or math language based in Latin will become more apparent and meaningful in another similar language such as Spanish.

NASA STEM Engagement strives to increase K-12 involvement in NASA projects, enhance higher education, support underrepresented communities, strengthen online education, and boost NASA’s contribution to informal education. The intended outcome is a generation prepared to code, calculate, design, and discover its way to a new era of American innovation.

You can find Spanish language NASA curricular resources to use with your students who are learning English, and or to encourage bilingual English/Spanish skill development. https://www.txstate-epdc.net/nasa-spanish-language-resources/
You can even have your students visit NASA Space Place en Español! https://spaceplace.nasa.gov/sp/

What Students Should Learn in Science- Next Generation Science Standards (NGSS)

NGSS provides a tool to help parents know what kids are expected to learn at each grade level in science and engineering technology. NGSS, elementary through high school, promotes exploring and engaging in science as is done in the real world by scientists incorporating engineering and technology principles. Although it may seem daunting, following NGSS core ideas at home with your kids can actually be fun and engaging for you as well as your kids. To learn more about NGSS go to: www.nsta.org/ngss or www.nextgenscience.org

All Systems Are Go!

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NASA has activities & learning resources to support you!

**NASA STEM @ Home for Students:**
- K to 4th: [https://www.nasa.gov/stem-at-home-for-students-k-4.html](https://www.nasa.gov/stem-at-home-for-students-k-4.html)
- 5th to 8th: [https://www.nasa.gov/stem-at-home-for-students-5-8.html](https://www.nasa.gov/stem-at-home-for-students-5-8.html)
- 9th to 12th: [https://www.nasa.gov/stem/at-home-for-students-9-12.html](https://www.nasa.gov/stem/at-home-for-students-9-12.html)

**Story Time From Space:**
[http://www.spacestationexplorers.org/educational_programs/storytimefromspace/](http://www.spacestationexplorers.org/educational_programs/storytimefromspace/)

**NASA Express:**
[nasa.gov/stem/express](nasa.gov/stem/express)

**NASA STEM EPDC Webinars:**
[https://www.txstate-epdc.net/event-post/](https://www.txstate-epdc.net/event-post/)

**NASA STEM EPDC Digital Badges:**
[https://www.txstate-epdc.net/digital-badging/](https://www.txstate-epdc.net/digital-badging/)

**NASA STEM Quick Bits:**
[https://www.txstate-epdc.net/quick-bits/](https://www.txstate-epdc.net/quick-bits/)

**Activity Links:**
- Spanish language NASA curricular resources: [https://www.txstate-epdc.net/nasa-spanish-language-resources](https://www.txstate-epdc.net/nasa-spanish-language-resources)
- NASA Space Place en Español: [https://spaceplace.nasa.gov/sp/](https://spaceplace.nasa.gov/sp/)