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Ideas:

You can kick off your Space Unit with a song. Sing it at the top of each class, every day during your Space Unit.

If you are teaching in person, you can start with **Word sheets** and **ACTIVE LISTENING**, and then sing it in class, or collaborate with the music teacher to have her teach it in her class at the same time or right before you start your space unit.

### **Pandemic usage with virtual learning:**

Post audio and PDF files in your Google Classroom  
Give to students as Independent study or extra credit

Ask that student who may struggle with reading to:  
create a beat box, rap or garage band version of accompaniment, or encourage them to **learn the song by ear**

You can have:

- small group performance in class
- flip grid videos
- Contests with Starship and SLS groups
- Choreography? Costumes? Hats? Component parts labels, or destination labels ( launchpad/MECO, Jettison of things, translunar injection, lunar orbit, landing, lunar research site, lunar rover, habitat )

If a student is not comfortable singing in the class, allow them to contribute with new lyrics creation, rhymes, or by finding appropriate NASA or SpaceX images on line, in their Flickr Photo Albums.

### **In the After Times: After the Pandemic when we are back to in person learning**

Concerts - Collaborating with your music specialist

Imagine Your STEM Content can be sung on school concerts

Participating in music concerts give students the opportunity to perform in an ensemble, they learn how to work in a group and follow the director, they have an artistic outlet that fosters emotional intelligence

Imagine participating in the school concert with your fellow STEM educators, singing a song, or singing a solo of a space song

Imagine inviting your principal to participate in a song on stage to showcase your cutting edge STEM/STEAM approach to space and music education

invite local VIPS to your school concert (mayor, aerospace exec or engineer)

Have your students sing a space-themed song for the STEM Day Finale or End of Camp presentation or graduation

Contact me if you have questions about using Music in your STEM Classroom. I have more space-themed music available on my website.

[www.Laurieorth.com](http://www.Laurieorth.com)

Sincerely with gratitude,

Laurie Orth

Music Teacher and Chief Music Officer

YouTube Channel: Laurie Orth Music Teacher

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