

Space Exploration Educator Expedition Crew Program Application

Space Center Houston is excited to extend the outreach of the Space Exploration Educator Conference by continuing our teacher leadership component called the Space Exploration Educator Expedition Crew Program. Teachers from across the country will be accepted into this exceptional program and will collaborate in six regional Educator Expedition Crews to develop teacher leadership skills and STEM based learning experiences. There is a need nationwide to prepare students for 21st century STEM careers and an equal need for extraordinary teacher leaders to inspire these students. It is our goal to empower teachers to build leadership competencies by creating innovative STEM programs for their students, schools, and communities. In 2019 we will welcome the crew back to the SEEC conference to share the results of their education expedition. Complete the application below to start your Expedition!

Name

School

Address

City, State

ZIP

Phone #1

Phone #2

Email Address

Have you attended SEEC in the past? ☐ Yes ☐ No

What grade level(s) and subject(s) do you currently teach?

How many students will be impacted by your participation in this program?

Application Selection Process

Applications to be a part of the Expedition Crew Program must be submitted by December 11th to be considered. There will be teachers selected and the Crew regions will be formed based on the location of the selected crew members. Any K-12 formal classroom educator of any subject area may apply. The selected applicants will be notified via email by 5:00 p.m. on December 18th. Crew members will have until December 22nd to accept or decline the invitation to participate in the program. All completed applications should be sent to seec@spacecenter.org.

Application Checklist

- ☐ Crew Member Application
- ☐ One Page Resume
- ☐ Administrative Support Letter
- ☐ YouTube video hyperlink

Expectations for Crew Member Professional Learning Communities

- Collaboration between regional and national members
- Improve teaching skills and the academic performance of students
- Demonstrate leadership skills within the crew program, the school, district, and region

Expectations Continued

- Enrich STEM and space-themed instruction through hands-on, real world challenges
- Create a meaningful and relevant “Year in Space Education” action plan to implement space-themed STEM learning outlined by NGSS
- Meet with regional crew members as often as possible to identify learning objectives, share, and develop learning plans
- Partner with local institutions to provide meaningful STEM opportunities to students
- Support to implement STEM initiatives with their respective schools, districts, and communities
- Pre and post-assessment data to document student growth
- Collaboration on a crew database of educational STEM resources
- Present your “Year in Space Education” action plan at SEEC and reach out to other educators to attend SEEC

Crew Member Benefits

- 1 year commitment as an Expedition Crew member
- \$250 stipend upon arrival at SEEC 2018
- Conference registration for SEEC 2018 (*If you have already received a SEEC scholarship you can still apply for the Expedition crew.)
- Receive one of a kind professional development at SEEC and online venues
- Access to NASA resources and guidance on how to effectively implement them
- Space Educator Expedition Crew gear and accessories

Application Questions

One of the requirements for the Expedition Crew Program is to create a “Year in Space Education” action plan. Your regional crew plan includes goals, learning objectives, and action steps targeting the needs of your students, education communities, and regions. A crew member will outline a plan for a meaningful STEM learning experiences for students such as a classroom activity, a visit to an informal STEM learning center, or guest speaker from a STEM related career. This plan should be scalable and sharable with teachers in your region. Teachers will also be required to network, share, mentor, and present to other educators within their region. Space Center Houston will offer support to maximize the impact of each plan. Please complete the following questions to be considered as a Crew member.

1) Tell your school story including demographics of the student population and community. (1000 character limit)

2) How do you see implementing an action plan that ties the content you already teach to space and what would you additionally like to learn and implement into your plan? (1000 character limit)

3) Describe a meaningful stem learning experience your students have engaged in that had an impact your school and community. (1000 character limit)

4) How would participating in the Expedition Crew Program impact you and the educators in your school, district and region? How will this program impact you as a leader within your school district and region? (1000 character limit)

5) Explain how you would engage other educators and organizations with your “Year in Space Education” action plan. (1000 character limit)

6) How will you evaluate the impact of the “Year in Space Education” action plan on students? How will you know you have influenced student learning and met your STEM learning objectives? (1000 character limit)

7) YouTube video - Address 2 of the 6 questions in a 2 minute or less video that is posted to YouTube under private settings. Please copy the link in the box below and also send the link in your application email. Applicants will not be scored on the production quality of the video. (Select text, right-click, and click "Hyperlink.")