A call for experts—to assist with experiment design and review

Jefferson County 4-H is participating in the Student Spaceflight Experiments Program from September through November of 2018.

* Youth in grades 5-12 will work in research teams to design experiment proposals that will be reviewed and selected by the National Center for Earth and Space Science Education (NCESSE) to run on the International Space Station in the spring of 2019. Our 4-H program is GUARANTEED to have one project chosen. The experiment selected will be prepared in a mini laboratory module and sent to the ISS for full implementation.

* The Essential Question for students: What physical, chemical, or biological system would I like to explore with gravity seemingly turned off for a period of time, as a means of assessing the role of gravity in that system?

**How can you help?** If you have experience writing/reviewing research proposals, implementing experiments or have a background in physical, chemical or biological sciences, then you are a good candidate to support this project! There are two ways you can assist us:

1. **Expert consultants**—as youth develop their experiment proposals, they will be reaching out to experts to help refine and formalize their proposals. Feedback may include suggestions on proposal language, considerations of experiment constraints/variables. This process will take place throughout October. Contact with students will be organized by 4-H Educators through your preferred method of contact (phone, email, video chat)

2. **Proposal Review Committee**—CCE Jefferson is organizing a committee to review all proposals between 11/2—11/8. Each reviewer would grade proposals based on a rubric provided by the SSEP program. As a committee of reviewers, the three top proposals would be selected to proceed to NCESSE for step 2 review. NCESSE would select the final proposal for implementation on the ISS.

Interested in being an expert? Please contact Mitch McCormick, Director of 4-H Afterschool Programs

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"The Student Spaceflight Experiments Program [or SSEP] is a program of the National Center for Earth and Space Science Education (NCESSE) in the U.S. and the Arthur C. Clarke Institute for Space Education internationally. It is enabled through a strategic partnership with DreamUp PBC and NanoRacks LLC, which are working with NASA under a Space Act Agreement as part of the utilization of the International Space Station as a National Laboratory."