



NORTHERN KENTUCKY UNIVERSITY

Afterschool NASA Production Club

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NKU Haile Planetarium
Credits: Northern Kentucky University

Through an afterschool club, middle school students will be guided through the process of creating live planetarium shows about two NASA missions (James Webb Space Telescope and Neil Gehrels Swift Observatory) using Project Based Learning techniques. Students will work as a team and with an underrepresented undergraduate Northern Kentucky University STEM student mentor. They will also interact with a whole team of production experts and NASA experts including mission team members. Once the live shows are produced, the students will present them to their schools at a school-wide meeting and record their

shows to share online. Haile Planetarium will also convert those live shows into recorded, narrated planetarium shows and give those shows to every middle school group that visits the planetarium for a field trip. By using local students to produce these shows, local audiences will be more interested and likely to engage with the content.

List of Partners:

- Northern Kentucky University Center for Integrative Natural Science and Mathematics
- Holmes Middle School

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