

NASA WINGS SUMMER CAMP

GRANT FUNDED SUMMER CAMP

STEVEN GOETZ, SIUC

NATURE OF GRANT WORK

- These are either teaching or service grants, depending on how you view them
 - Not research oriented grants
- The goals of these programs are not to answer questions with science, but rather to ignite the fire of inquiry within young minds
 - Our chosen match is transportation, specifically aviation

NASA WINGS

- Overview
 - Funding Agency: NASA Space Communications and Navigation
 - Camp age and size: 8 High School students
 - Nominated by counselors or science teachers
 - Financial need given some weight but is not determinent
 - Duration: 1 week, residential
 - Total grant funding: 58,969 across 3 years

WHY?

- Recruiting
- Community Service
- Advancement of Aviation Industry
- Advancement of STEM fields

WHAT DO WE DO?

- Classroom discussion:
 - Aerodynamics
 - Meteorology
 - Structural design
 - Chemistry
 - Physics
 - Careers
 - Industrial needs and opportunities

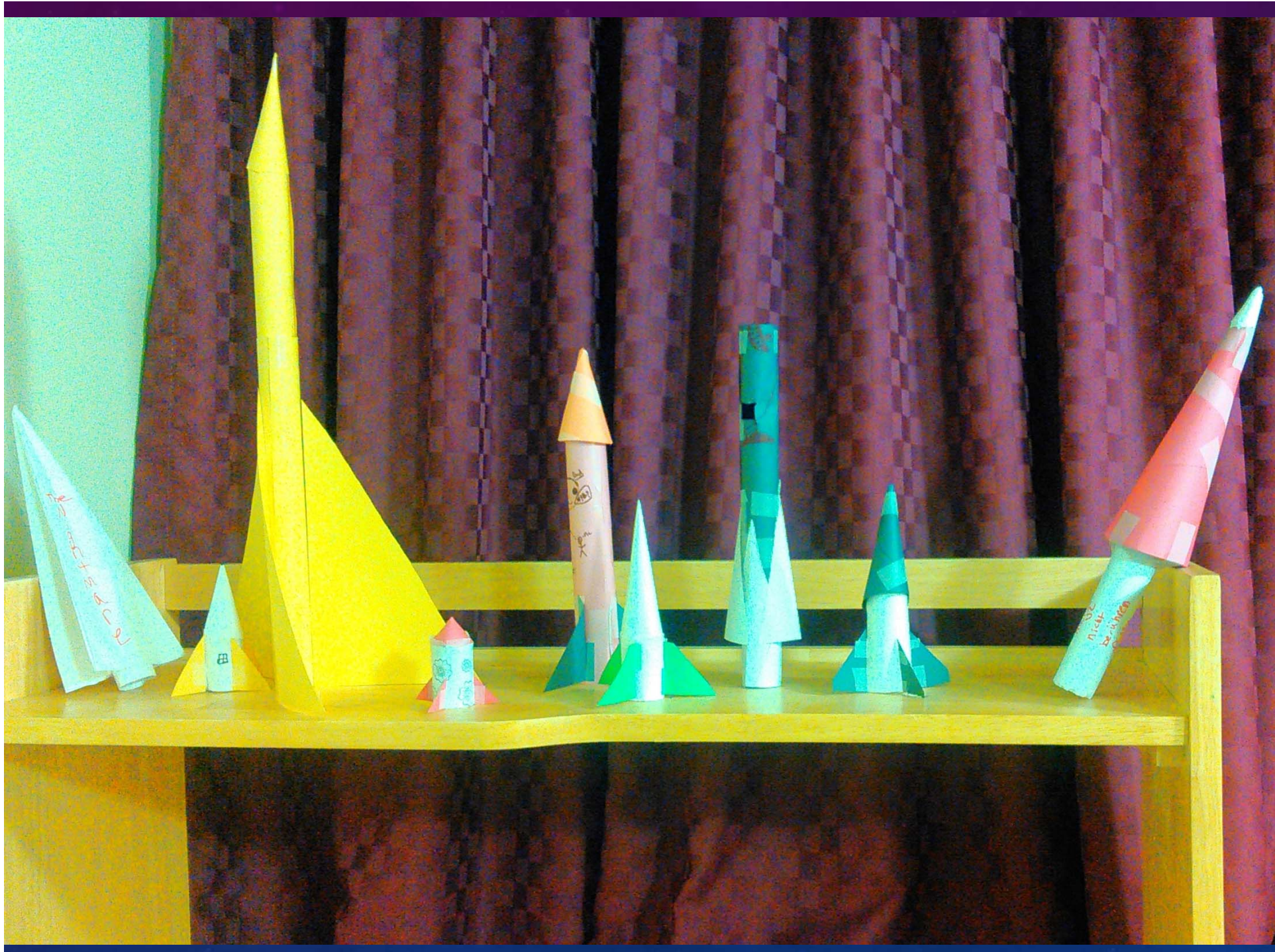
WHAT DO WE DO?

- Hands on:
 - Flying!
 - Rocketry
 - Model airplane building
 - Exploration of aerodynamic principles
 - Astronomy

WHAT DO WE DO?

HAVE FUN!!!





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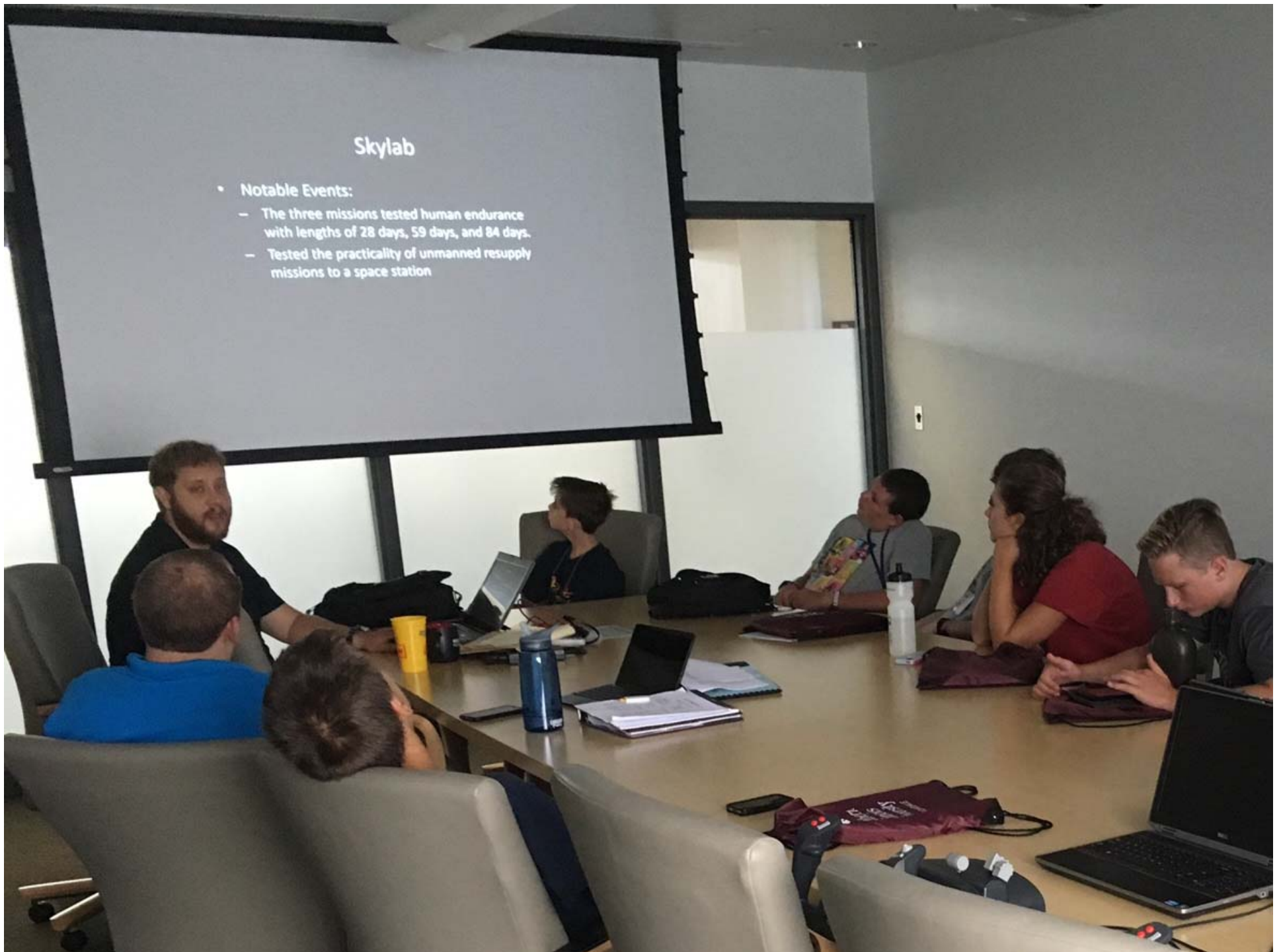
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Skylab

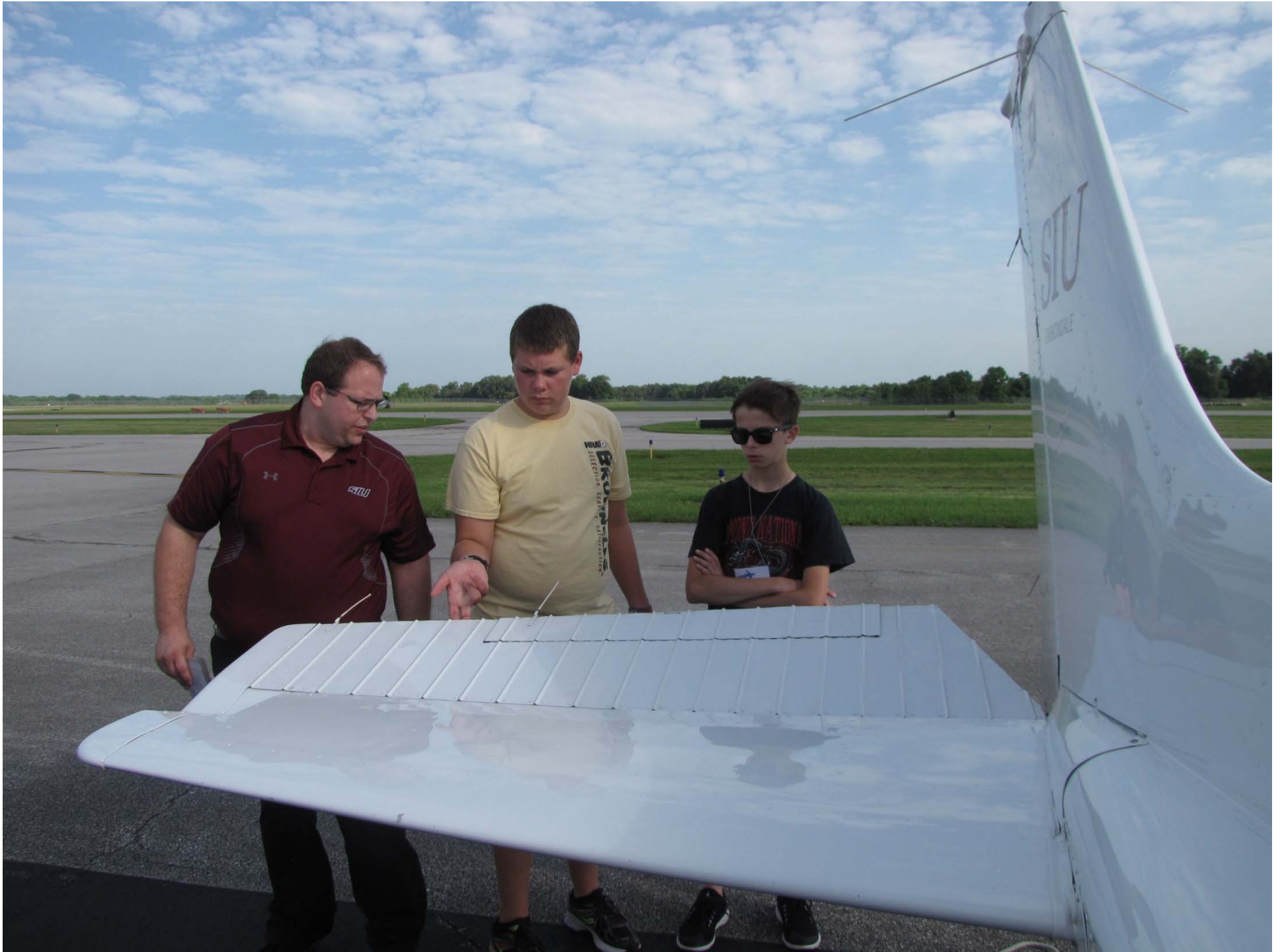
- Notable Events:
 - The three missions tested human endurance with lengths of 28 days, 59 days, and 84 days.
 - Tested the practicality of unmanned resupply missions to a space station









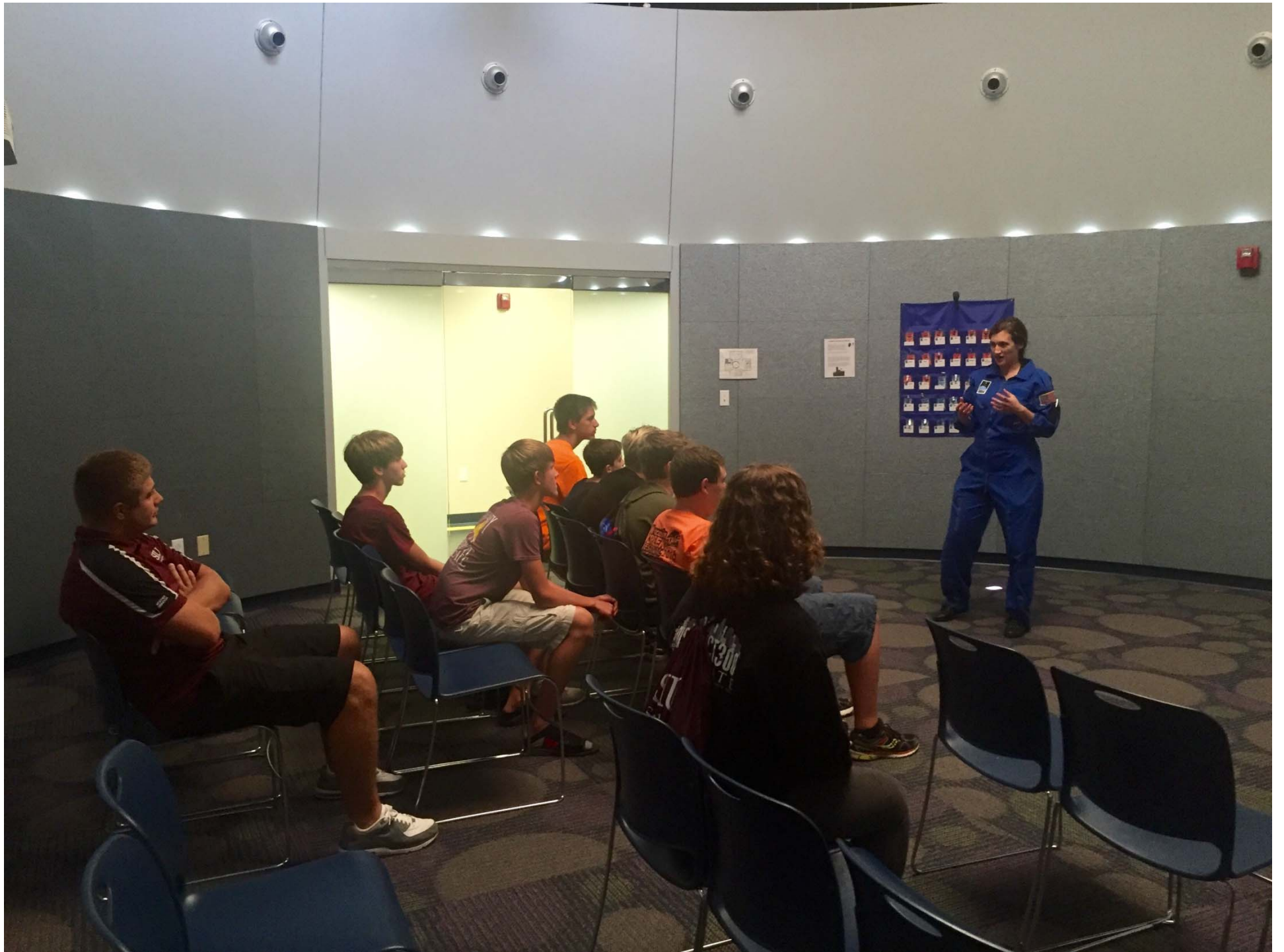




Jabe Outland and Braden Gentry

Instructor: Andy Weis







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REM Standby
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QUESTIONS?

THANK YOU

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