

# 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 determinant
  - 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?

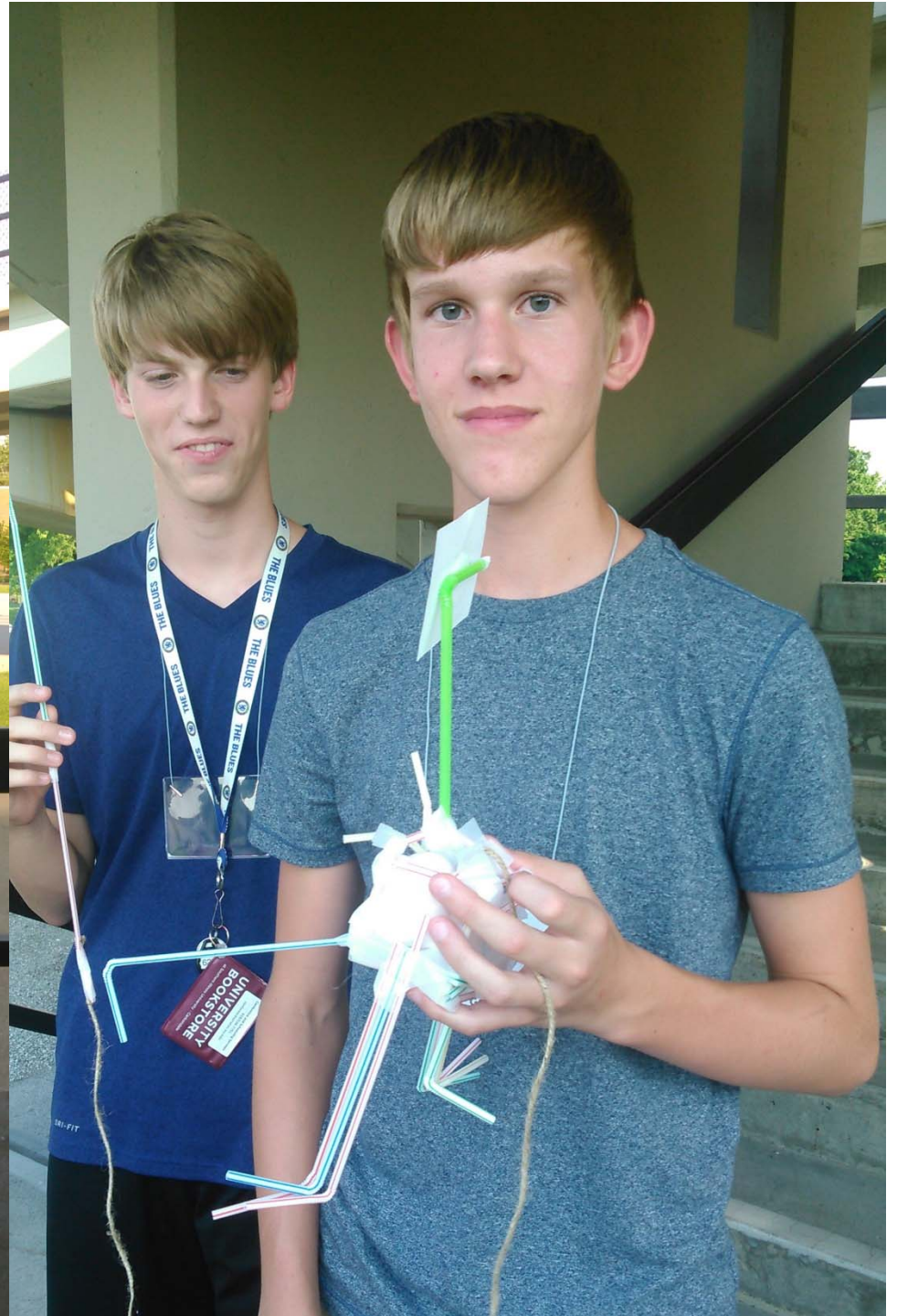
- Classroom discussion:
  - Aerodynamics
  - Meteorology
  - Structural design
  - Chemistry
  - Physics
  - Careers
  - Industrial needs and opportunities

# WHAT DO WE DO?

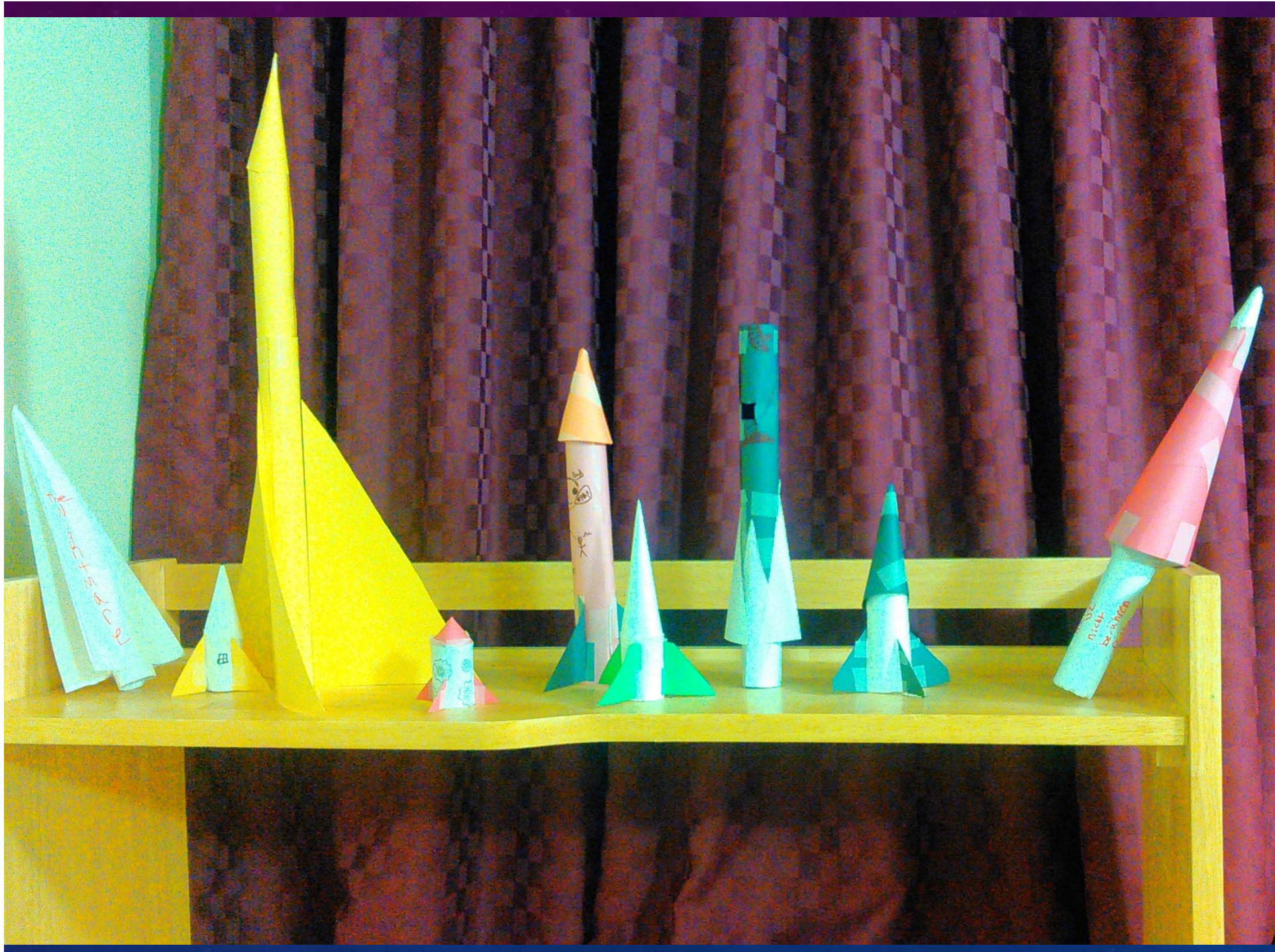
- Hands on:
  - Flying!
  - Rocketry
  - Model airplane building
  - Exploration of aerodynamic principles
  - Astronomy

WHAT DO WE DO?

HAVE FUN!!!







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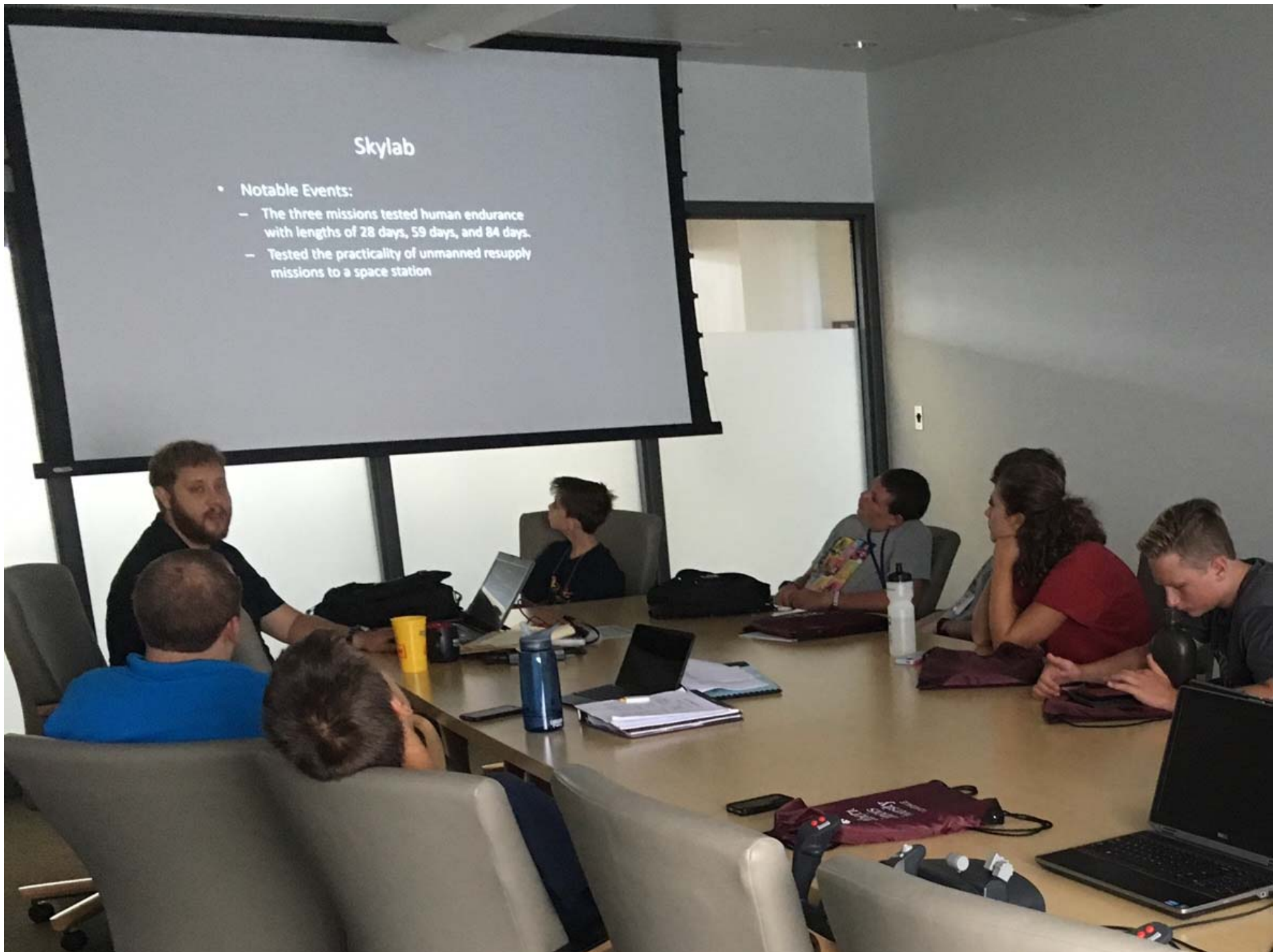
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## Skylab

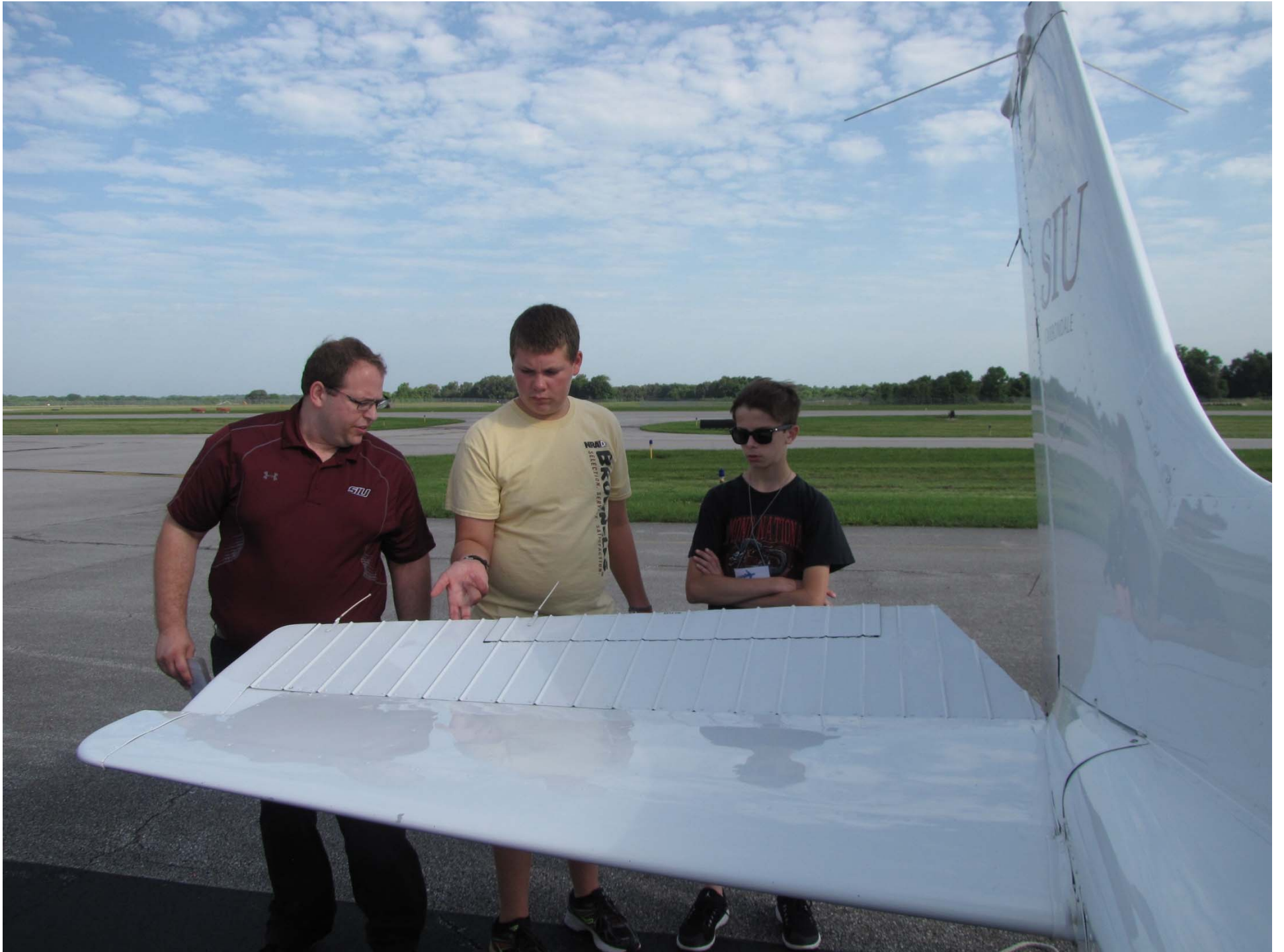
- Notable Events:
  - The three missions tested human endurance with lengths of 28 days, 59 days, and 84 days.
  - Tested the practicality of unmanned resupply missions to a space station











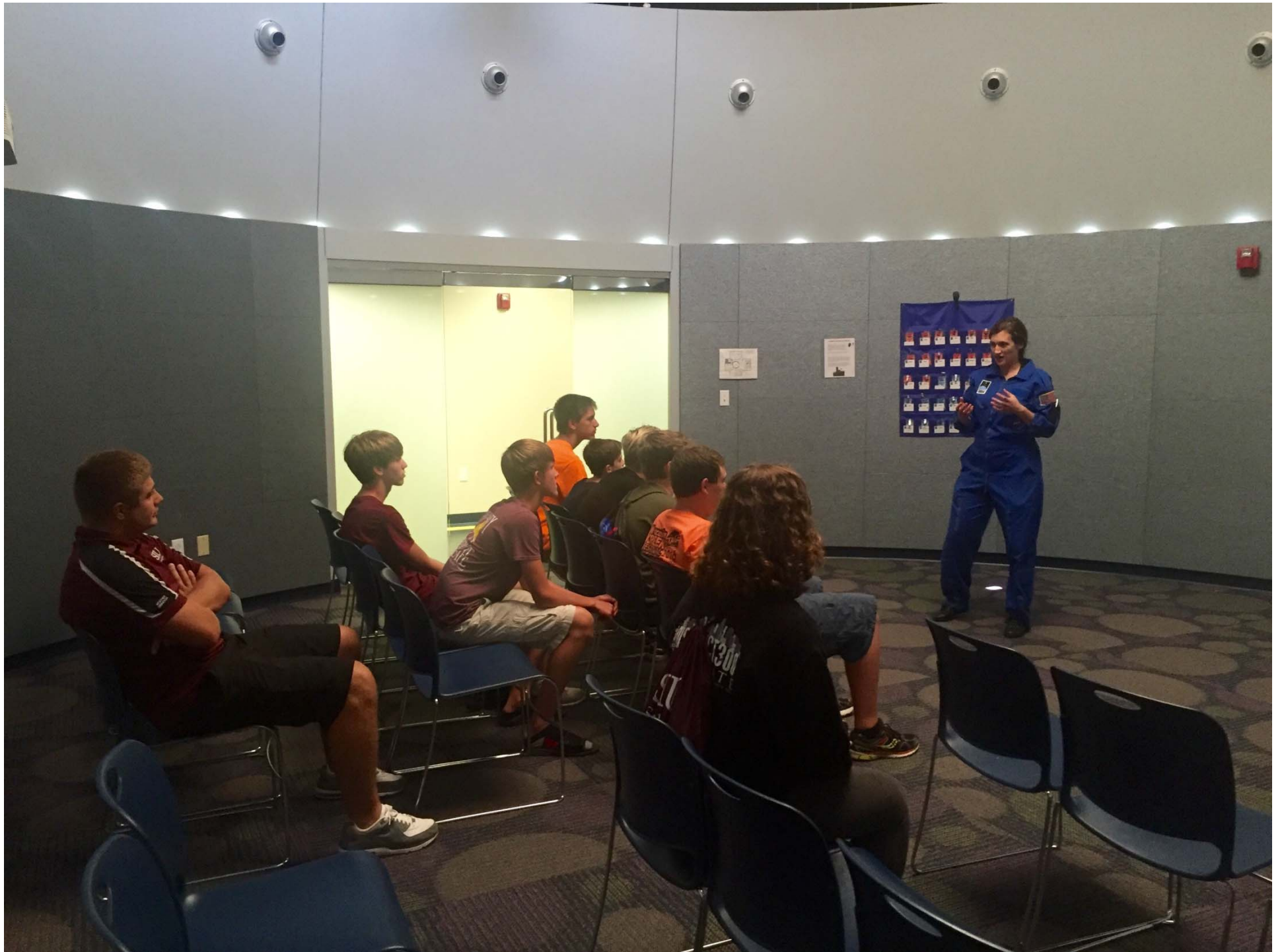


Jabe Outland and Braden Gentry

Instructor: Andy Weis









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MED Standby  
LS Station Activated  
ISO Standby  
REM Standby  
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RTE 01:24:40 GMT 18:00:41 MET 00:05:20

CAUTION:  
VACUUM  
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QUESTIONS?

THANK YOU

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