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!!!
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
QUESTIONS?
THANK YOU

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