SIUC/UIC NATIONAL SUMMER TRANSPORTATION INSTITUTE

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
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• Overview
  • Funding Agency: FHWA and IDOT
    • SIU is a partner in this venture with University of Illinois at Chicago
  • Camp age and size: 30-40 High School students
    • At risk youth from Chicago
  • Duration: 2-5 week, residential
  • Total grant funding: Varies (9,500-18,900)
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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QUESTIONS?
THANK YOU

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