National Summer Transportation Institute (NSTI) 2024 Dr. Md Rashad Islam P.E. Southern Colorado Institute of Transportation Technology, Colorado State University Pueblo, Colorado

Team Members

Dr. Md Rashad Islam (Project Director), Dr. Trung Duong (Project Coordinator), Dr. Hasan Faisal, Dr. Sylvester Kalevela, Dr. Elena Sidorova, Ms. Melanie Turner, PE (City of Pueblo), Prof. Kevin Sparks, PE (CDOT), Vashti Trujillo, Hannah Grossman, Layla Sonali, Carol Toponce, and Paul Wallace

NSTI Goals

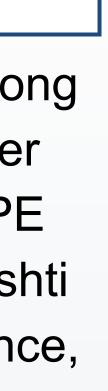
- To promote the STEM disciplines in transportationeducation and career opportunities among middle and high school students.
- •Committed to creating an inspiring and transformative experience.
- Ignite a passion for transportation careers through the lens of STEM.
- •To educate and to captivate young minds.
- •Foster a lasting interest in the diverse opportunities within the transportation sector.
- Introduce students to transportation through hands-on activities, lectures, and field trips.
- To blend learning with excitement to ensure students experience the joy of discovery and innovation.



NSTI Group Outside CDOT Pueblo

Demographics

- 29 students applied
- 22 students attended
- 12 girls, 10 boys
- 10 Hispanics, 6 White, 4 Asian, & 16 people of color





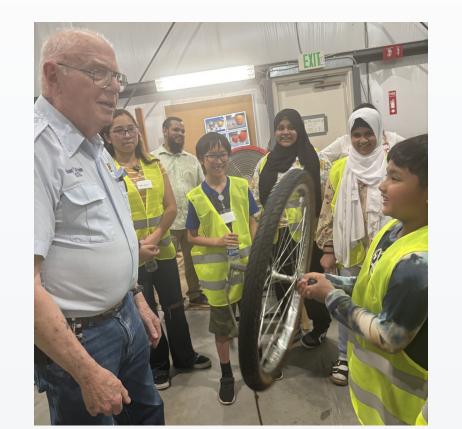




Space Discovery Center



Pueblo Traffic Office



Aircraft Museum



USDOT's TTC Center



Sports and Recreation



CDOT Pueblo Labs



Traffic Crash Lecture



Street Designing



Cybersecurity Lecture



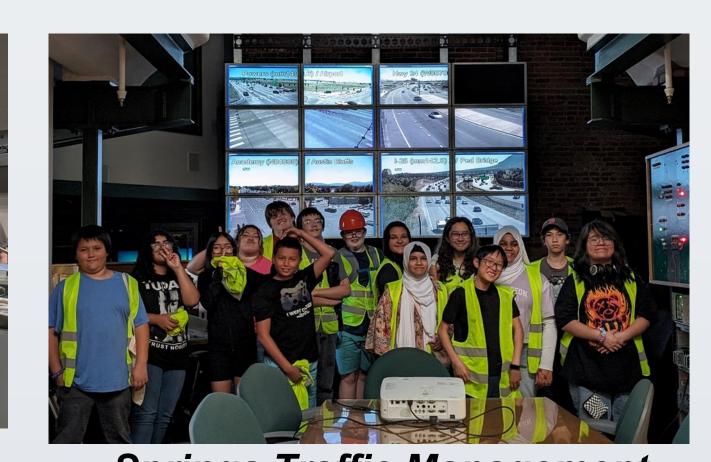
Train Construction

Field Trips



I-25 Improvements Project

Collins Aerospace Labs

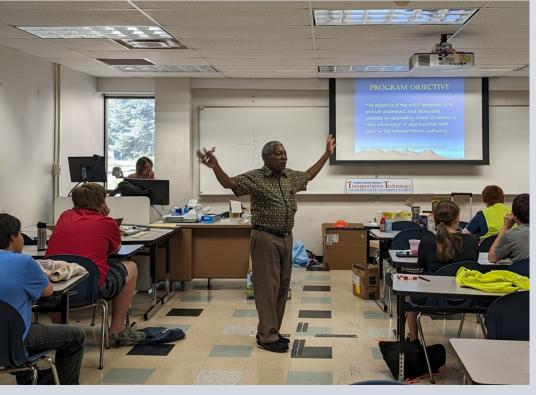




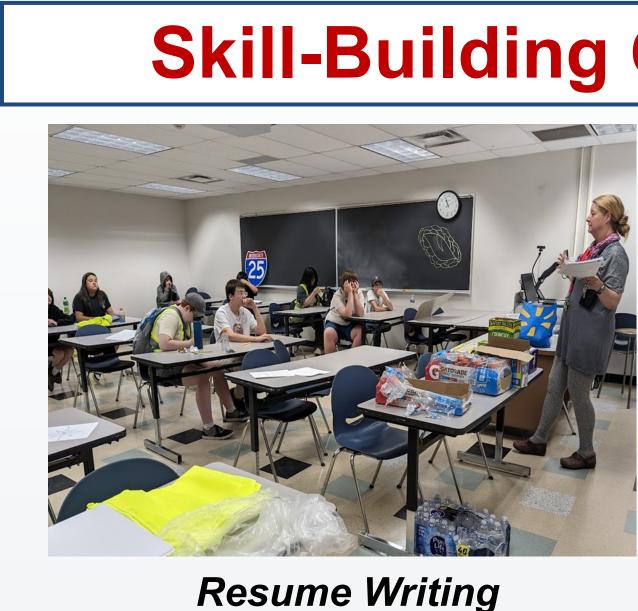
Hands-on Activities and Lectures



Popsicle Bridge Building



Airports & Airways Lecture





Student Receiving Award





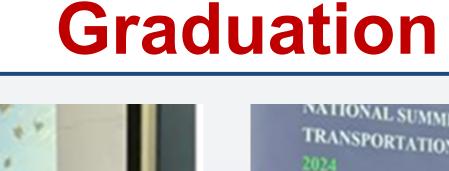
Provost, Dr. Gail Mackin Dean, College of STEM, Dr. David Lehmpuhl



Skill-Building Opportunities



Public Speaking





Project Director, Dr. Islam, Presenting at Graduation

Schedule

tures	Field Trips
Engineering	Pueblo Aircraft Museum
ntelligence	Space Discovery Center
and Testing	CDOT Pueblo Laboratories
and Safety	Sports and Recreation
ce Basics	City of Pueblo Traffic Office
es and Safety	USDOT's TCC
s Design	I-25 Construction
neland Security	Collins Aerospace Laboratory
nd Airways	Co Spring Traffic Mgt Center
s and Revisions	Presentation and Graduation

Funding

COLORADO Department of Transportation



U.S. Department of Transportation Federal Highway Administration

Acknowledgements

md.islam@csupueblo.edu