Maine Summer Transportation Institute 2015

Music Chosen By Engineering Campers!
DAY 1
Surveying

Introducing Surveying Equipment

Calibrating paces
Surveying

Calculating Length of mall based on paces

Best estimate of mall length by pacing
Day 1
Physics: Laws of Motion

Basketball vs bowling ball vs cannon ball

Can’t quite lift the cannon ball
Laws of Motion

Aerodynamics, floating ball

GETTING TP’D
Introduction to proper signage and road worker safety
Creating safe work areas
Day 2
Structural Engineering

Learning about different building materials
Build the Tallest Tower!
DAY 3
Train Presentation and Tour

Train safety

Train Components
Train

Going In to see the Controls

Inside the Drivers seat!
Thanks for the Tour of the Train!
Day 3
Forest Bioproducts Research Institute (FBRI)

Tour of the Lab

All the Processing Equipment
FBRI

Slime Time! Mixing the ingredients

Finished Product
Day 3
Old Town Airport

In the hanger, Questions and Answers
Old Town Airport
Day 4
Maine Maritime Academy

Getting ready to board the boat

Out to sea!
Maine Maritime Academy

Learning to drive the Boat
Maine Maritime Academy

Sailing the Coast!
Thanks Maine Maritime Academy!
DAY 5
Advanced Materials and Composites

Safety and Introduction to Research Projects

Bridge in a back pack
Advanced Materials and Composites

Bullet Proof Tent

Windmill research
Day 5
Team Building

The human knot
Fun and Games

The human knot

Homemade Skee ball show and tell
Day 5
Physics Light and Electricity

Powering light by hand

Powering light by bike
Physics

Super strong magnets

Laser Show
Physics

Nitrogen Rings

Shrinking the balloon
Physics
ULTIMATE POWER

Static Power!

Light by Tesla Coil!
Day 5
Rock Climbing

Rock climbing instruction

Suiting up!
Rock Climbing
Day 6
Electrical & Computer Engineering (ECE)

Instruction on soldering and building the circuit  Helping hand
Soldering the circuit

Working Perfectly!
Innovation Engineering
Creating Board Games

Building game boards one at a time
Board Games

Presentations!
Board Games
News Clip!
Day 7
Programming Using Minecraft

Getting Set Up

Coding Like Experts
Programming Using Minecraft

Making it happen!
Day 7
Lunar Habitat

Astronaut In training

Testing the Habitats Exercise area
Lunar Habitat
Day 7 Bike Safety

Proper Helmet Fit

Maintain a Safe Bicycle!
Bike Safety

Going For a ride
Day 8
Cole Land Transportation Museum

Million Mile Truck & Coles Own Semi With Double Front Axle
Cole Transportation Museum
Thank You Cole Transportation Museum!
Day 8
Bangor International Airport (BIA)

Experiencing Behind the scenes!
Snow Removal Equipment
Day 9
Bridge Competition

Master Bridge Builders
Bridge Competition
Day 9
Renewable Energy
And Now For some Candid Pictures!
A couple More!
You will all make great Engineers!
Thank You all for a Great Summer!