

2018 Transportation Academy Agenda

Monday

9:00-9:20 Program registration, Intro surveys

9:20-9:50: Introductions, Intro presentation (TransportationOperationsChallenges.pptx)

Welcome students to the program, introduce staff, have students introduce themselves, give overview of program and do transportation ops presentation. Put students in groups of 2

9:50-10:10 Team Building Activity

Back-to-Back Drawing

For: Communication Skills

What You'll Need: Paper, pens/markers, printouts of simple line drawings or basic shapes.

Instructions: Split your group into pairs and have each pair sit back to back. One person gets a picture of a shape or simple image, and the other gets a piece of paper and pen. The person holding the picture gives verbal instructions to their partner on how to draw the shape or image they've been given (without simply telling them what the shape or image is). After a set amount of time, have each set of partners compare their images and see which team drew the most accurate replica. Click here for additional ideas.

10:10-10:35: Teams meet and decide on:

- ***Company Name***
- ***Company Motto/Mission Statement***
- ***Company Logo***

10:35 – 11:00: Perception/Reaction Time Activity (Perception_Reaction.pptx)

11:00-11:30: Guest Speaker- Sushma Konappa, Senior Business Analyst, First TN (Smart Cities/Smart Transport)

11:30-1:00 Lunch and Perception-Rxn Lab (Module 1- Lesson 1 Lab Worksheet)

1:00-1:15 Technical Presentations presentation (TechnicalPresentations.pptx)

1:15 – 2:15 Presentations (student teams present Perception-RXN lab reports)

2:15-2:30 Move to Computer Lab – ET 216



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Monday

2:30-3:00 SRTS Challenge Project Introduction and Working Session (select school by end of session) Use aerial photography to review sites and discuss.

3:00-3:15 Return to classroom

3:15-4:00 First Design Challenge – K'Nex Vehicles – mystery distance

Tuesday

9:00-9:30 Geometry of our Roadways activity

9:30-10:30 FedEx speakers – Wendy McNamara

10:30-11:30 Overview of <https://school.nawmal.com> and straw rocket movie as demo

11:30-12:00 Lunch

12:00-1:00 Speaker: Cedric Devine, DoL

1:00-1:15 Move to Computer Lab

1:15-2:30 GIS Lab and SRTS Project Working Session

2:30-3:30 K'Nex Vehicle Design Challenge 2 (logistics)

3:30-4:00 Prepare presentations on design challenge and dismissal

Wednesday

9:00-9:15 Check-in/get read for bus

9:15- 11:30 Field Trip, (tour at 10 am)

11:30-12:00 Lunch



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Wednesday

12:00-12:30 Truckish Startup – Deme Yuan and Aayush Thakur

12:30-1:15 Intersection Operations.ppt (and collision diagram activity)

1:15-1:30 Move to Computer Lab

1:30-2:45 Students work on SRTS projects

2:45-4:00 Design Challenge #3 (Cubelets)

Thursday

9:00-10:15 Introductions and interactive exercise – Gridbuster

10:15-11:30 SRTS projects

11:30-12:00 Lunch

12:00 – 12:30 SRTS projects

12:30 – Board bus for field trip

1:00-2:30 Field Trip

2:30-3:30 SRTS projects

3:30-4:00 T-shirt distribution and prepare for Friday



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Friday

9:00-9:30 Exit Surveys, Group picture, thank-you note

9:30 – 10:30 Freight Presentation and Activity

10:30-11:30 FedEx Speakers

11:30-12:00 Lunch

12:00 – 1:00 Final project prep

1:00-2:45 Final presentation preparation

2:45-4:00 Final Project Presentations –Showcase for parents



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