2016 Transportation Academy Program Agenda

July 11-15, 2016

University of Memphis

**Monday**

**9:00-9:30** **Program registration, Intro surveys**

**9:30-9:50: Introductions, Intro presentation (IntrotoTransportation.pptx)**

Welcome students to the program, introduce staff, have students introduce themselves, give overview of program and do transportation profession presentation. **Put students in groups of 3 for teaming.**

**9:50-10:10 Team Building Activity**

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. **(2 shapes per group- partners switch out so all members participate)**

**10:10-10:40: Modes of Transportation (ModesofTransportation.pptx) – Slides 1-5 (stop after Rail slide)**

**10:40-12:00: First Design Challenge Palazolo – KNEX Vehicles**

**12:00-12:15 Technical Presentations presentation (Technical Presentations 2016.pptx)**

**12:15-12:45: Lunch/restrooms and prepare presentations**

**12:45-1:00: Go to Blue Line Stop**

**1:00-3:30 CN FIELD TRIP- PICK UP AT 1 PM by BLUE LINE**

**3:30-4:00 Presentations**

If have extra time, then do communication challenge with K’NEX (build structure, place outside classrooms, teams can leave one at a time and look then return to tell team how to build).

**Tuesday**

**9:00-9:25 Pre-survey and Biologistics 101 activity**

**9:25-9:45 Modes of Transportation (ModesofTransportation.pptx) – Slides 6-7**

**9:45-12:30 FED EX TOUR – Be at BLUE LINE STOP AT 9:45**

**12:30-1:00 Lunch**

**1:00-1:30 Presentations**

**1:30-2:30 Dr. Firouzeh Sabri – Packaging Presentation and Demonstration and Post-Survey**

**2:30-4:00 Challenge #2 (KNEX Vehicles)**

**Wednesday**

**9:00-10:00 MAP-21, the FAST Act, and Performance Measures**

**10:00-12:30 TDOT TOUR – BLUE LINE AT 10 AM**

**12:30-1:00 Lunch**

**1:00-2:00 Challenge #3 (KNEX Vehicles)**

**2:00-2:30 Guest Speaker: J.De DeHart, Operations Manager Mallory Transport**

**2:30-3:00 Challenge #3 Continued**

**3:00-4:00 Introduction to Group Project (for presentation to parents)**

Go over handout for group projects. Teams should discuss and decide on top three topics of interest. Write these on the index card provided to the team, and turn in to instructor when complete. Instructor will announce topic assignment for each team (assigned on first come, first served basis).

**Thursday**

**9:00-9:30 Transportation and Accessibility Activity – What’s wrong with this picture??**

**9:30-10:00 Guest Speakers: Nick Taylor and Laurn Harrett, SSR**

**10:00-11:30 Challenge #4 (KNEX Vehicles)**

**11:30-12:00 Teams work on presentations**

**12:00-12:30 Lunch**

**12:30-1:00 Groups work on presentations**

**1:00-3:30 Hub Group Field Trip – BLUE LINE AT 1:00 PM**

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

**Friday**

**9:00-10:00 Exit surveys and group picture**

**10:00-11:30 FINAL Project presentation prep**

**11:30-12:30 Presentation/Competition for Parents (and lunch)**

**12:30-2:45 FINAL CHALLENGE – KNEX Vehicles**

**2:45-4:00 Transportation Jeopardy and Program Awards!**

\*\*Numerous KNEX vehicle activities are available through the UM LiveBinders archive: <http://www.livebinders.com/play/play?id=2011056>