

Taste of Tech Spring Break Camp ~

Date: Tues-Thursday, March 31-April 2, 2015

Target: 12 students in Grades 4-6

Description

Explore the variety of amazing research and activities that Michigan Tech has to offer! This 3-day camp will investigate numerous disciplines—from entomologist, to road engineer, to human-centered monitoring devices (students will get to “drive” a driving simulator!).

Schedule

9 am - 4 pm, Tuesday, March 31

Wildlife, rhizotron, peatcosm, biomaterials, insects, invasive plants, greenhouse, etc. with Chris Hohnholt, School of Forestry & Environmental Sciences

9 am - 4 pm, Wednesday, April 1

8:45-9:00 AM MagnaTiles

9:00-10:20 AM What do engineers do?

- **Let's Communicate**
- **Team Up**

10:30-11:30 AM Human-Centered Devices Research Lab with Dr. Ye (Sarah) Sun, Assistant Professor, Dept of Mechanical Engineering-Engineering Mechanics, and Biomedical Engineering. Examine several human-centered devices designed by mechanical engineers to better understand how humans interact with their environment, such as a driving simulator, heart rate watch and belt, skin response sensor, finger temperature, etc. **Location:** 128 MEEM (Smith).

11:45 AM – 12:30 PM Lunch/Journal

12:45 - 1:30 pm - Chemistry Lab with Lorri Reilly **Location:** 503 Chem Sci

1:45-2:40 PM Blast Off with Yomi Famuyiwa, M.S. student, Mechanical Engineering

2:45-3:00 PM Snack Break & Games

3:00- 3:45 PM Chute: design a chute with at least 5 sections (5 turns & use at least 3 different types of containers. Catch ping pong/marble into cup.)

3:45-4:00 PM Journal

9 am - 4 pm, Thursday, April 2

9:00-10:00 AM – Keep A Cube – Joan Chadde

Location: Lower Level Great Lakes Research Center

10:00-10:40 AM – Sparkling Water (Environmental Engineering) – Joan Chadde

Location: Lower Level Great Lakes Research Center

10:50-11:05 am – Meet with Dr. Dave Hand (Environmental Engineering)

Location: Dow 106 EPSC room

11:05-11:30 AM – Making Concrete & Ice Cream Aggregate with ASCE students

Location: 8th floor Atrium.

11:30-11:50 AM – Concrete Lab - with Kiko to break the cylinder

Location: B006 Dillman

Noon - 12:45 – Lunch compliments of Michigan Tech Transportation Institute (MTTI).

12:45-1 pm Transportation Relays (Speed detector, school bus puzzle, make a sign)

Location: Lower Level GLRC/Outside

1-3 pm Transportation Activities with Dave Nelson (Civil Engineering) in B003 GLRC computer lab

3:00-3:45 PM Keep A Cube Wrap Up & Engineering Charades

3:45-4:00 PM Journal & Quiz Bowl

Activities

Reach

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Chute