

Itinerary - Day 2 February 24th (9:30AM-2:30PM)

9:30AM - 12:00PM – Activity 1

Finish Module 09 - be sure that all of the motor driver sub-system is accurate before the students switch on their battery packs. We also need to do a check for hot batteries or sparks. Please take time with the groups to make sure everything works and there are no short circuits.

The motor demo sketch (.ino) should work flawlessly running off the battery pack only. Students should only run their vehicles on the ground.

If the demo works, then the students are ready to move on.

Decorate the vehicles

The students should decorate their vehicles.

Divide all students into teams of 3-4

Breakdown the students into teams of 3-4. Please assist multiple teams if possible. They will then work together on coding a single car for the Challenge at the end of the Module 09.

The teams will compete at the track in the front of the room.

This will take up most of the morning.

12PM - 12:30PM Lunch

Guest Speakers

12:30PM – 2:00PM - Activity 2

Dr. Kihei leads workshop: Module 12 - Networking

- Connect to your vehicle over Bluetooth with the supplied .ino file
- Open the STEM camp website on the smartphone
- Control your robot remotely from the web-page

The big tournament race between teams!

2:00PM - 2:30PM - Final Awards

Post-Diagnostic Survey to High School Students and KSU Undergraduate

Giveaways and dismissal