

NTI: Day 6

- Flowcharts:
 - ✓ Create a flowchart for each of the following prompts: “How do I log into Facebook?” and “How do I decide if I need to wear a jacket outside?”

NTI: Day 7

- VEX Motors (and related objects):
 - ✓ Describe the purpose and function of each of the following motors provided in our VEX POE kits. Be sure to include an example of how each can be used:
 - 3-wire motor
 - Servo motor
 - Flashlight
 - LED
 - Motor controller

NTI: Day 8

- VEX Sensors:
 - ✓ Describe the purpose and function of each of the following sensors provided in our VEX POE kits. Be sure to include an example of how each can be used:
 - Bumper switch
 - Limit switch
 - Optical shaft encoder
 - Ultrasonic range finder
 - Light sensor
 - Potentiometer
 - Line follower

NTI: Day 9

- INSTANT CHALLENGE:
 - ✓ Refer to the attached “Egg Drop Activity” sheet! You will be REQUIRED to turn in the attached activity sheet as well as your egg drop project for full credit.

NTI: Day 10

- Rover Challenges:
 - ✓ Create three different Rover challenges that could be implemented in our engineering classroom. You must create three challenges that range in difficulty. I am not looking for just three different road challenges. Think outside the box!