Summer School Robotics Camp  
The Robot Zoo

* Week 1…Introduction to Robotics
  + Day 1
    - Robot Quiz
    - Introduction to NXT
    - NXT Kit Overview
    - NXT Parts Exploration
  + Day 2
    - Disassemble and Rebuild Tri-Bots
    - Smart Motors
    - Sensors and other Components
  + Day 3
    - Using Video Trainer
    - Using NXT Software
    - Moving Straight
  + Day 4
    - Starting with Sound
    - Stopping with Line
    - Turns
      * Swing Turn
      * Point Turn
  + Day 5
    - Ultrasonic and Touch Sensors
      * Push the Can
      * Move Until Close and Back Up
* Week 2…Sound Activated Dragster Challenge
  + Day 1
    - Gears and Gear Ratios
    - Build Dragster
  + Day 2
    - Build Dragster
  + Day 3
    - Complete Dragsters and Practice
  + Day 4
    - Dragsters Challenge
  + Day 5
    - Disassemble Dragsters/Build Sumo-Bots
* Week 3…Sumo-Bots Challenge
  + Day 1
    - Build Sumo-Bots
  + Day 2
    - Build Sumo-Bots
  + Day 3
    - Build and Practice with Sumo-Bots
  + Day 4
    - Space Camp Presentation
    - Complete Sumo-Bots
  + Day 5
    - Finalize and Compete