translation

materials

design decisions

electronics + mechanical = robot

drive trains

videos examples

gear reduction

motors

sensors

Curriculum:

* 15-min Round Robin
  + What is a system?
    - Independently functioning mechanisms that accomplish a task
    - All the systems combined create the finished robot
    - Some systems include:
      * drive
      * control
      * sensors
      * game-piece interaction
    - System integration is how each of these interact with each other
  + Behrooz Cruise
    - Systems on behrooz:
      * Catapult
        + Pneumatics
        + Mechanics
      * Intake
        + Pneumatics
        + Motors
        + Mechanics
      * Drive
        + Wheels

Mecanum

* + - * + Motors & Gearboxes

Gear ratio

* + - * + Speed controllers
  + This class is robot design and development of systems
* Control System
* Motors and Actuators
  + Wheels ‘n stuff
* Mechanical Systems
  + materials
* Pneumatics
* Sensors
* Optimizations & Limitations

Time

Materials

Certification