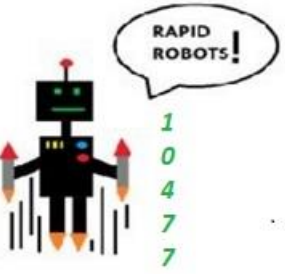
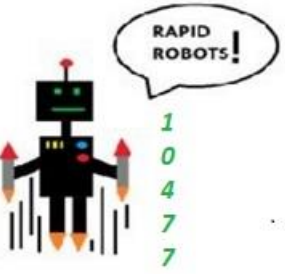


Robot Design



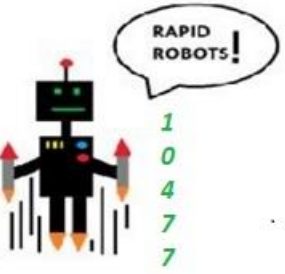
Guidelines

- ☐ Build a strong chassis
- ☐ Use different ideas to make your own chassis
 - Use Youtube/Google for ideas
- ☐ Name your robot and be proud



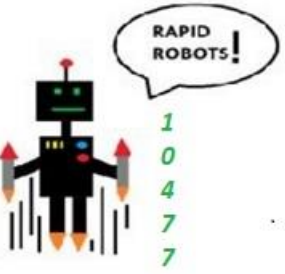
Design Considerations

- ☐ Center of Gravity – Balanced robot
- ☐ Choosing wheel size and gears
- ☐ Use Gyro sensor for turns
- ☐ Use Line Followers
- ☐ Use auto correction to position robot during missions



Sensor Mounting

- ☐ Place color sensor close to the floor
- ☐ Keep enough distance from drive wheel
- ☐ Place Gyro sensor where shakes are minimum



Attachment Mounting

- ☐ Use gears with motors
- ☐ Make attachment easy to remove during missions
- ☐ Keep battery charging access easy
- ☐ For moving along walls build trim to slide