

Team # \_\_\_\_\_

Circle the challenges that your team likes. Rank them in order of preference. You must choose at least 3 challenges.

## Rank

\_\_\_\_\_ • Climb up a wall/steep incline/ramp and pick up a tissue/flag at the top of the ramp. What is the steepest incline your vehicle can traverse?  
**Extreme challenge:** program your vehicle to turn around and go back down the ramp without falling.

\_\_\_\_\_ • A robot that can play music and dance to it.  
**Extreme challenge:** bring out a disco ball with a touch of a button

\_\_\_\_\_ • Pick things up and put them in another place  
**Extreme challenge:** how many lego pieces can the robot pick up and put in a pile 1 foot away in 60 seconds?

\_\_\_\_\_ • Program a robot to sharpen a pencil  
**Extreme challenge:** Can your robot return the pencil to a pencil cup?

\_\_\_\_\_ • Program a robot to draw or paint a specific picture  
**Extreme challenge:** Make your robot able to reproduce the same picture over and over again.

\_\_\_\_\_ • Program a robot to write the alphabet  
**Extreme challenge:** have it sing the ABC song while it writes.

\_\_\_\_\_ • Program a robot play sports: kick or bat a ball, shoot a basket  
**Extreme challenge:** Can your robot play more than one sport? OR Use another brick to create a scorekeeping system.

\_\_\_\_\_ • Follow a line through an obstacle course.  
**Extreme challenge:** program the car to go around obstacles or find the line if the path is obstructed.