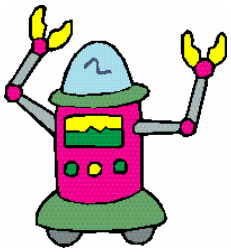
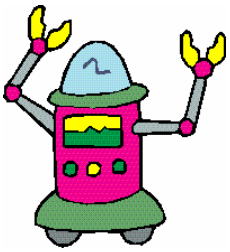


# SCIENCE OLYMPIAD

## *Robot Ramble 2007*

## *Major Rule Changes*



**1) At the start of the competition, the event supervisor will place in Zone A the following objects: 2 Ping-Pong balls (approx. diameter 38 mm), 1 compact disk (CD), 10 pennies, and 9 laboratory cork stoppers (three size No. 4, three size No. 7, and three size No. 12) .**

**2) A standard (12 cm diameter) Compact Disk (CD) will be placed flat on the playing field in the center of the equilateral triangle. A stack of ten pennies will be placed on top of the CD in the alignment hole.**

**3) At the start of the competition, students will place their robot in the designated starting position inside of the playing field at the center of the end boundary line of Zone B**

**4) A goal "box" with inside dimensions of 30 cm x 30 cm x 30 cm, with no bottom or top will be placed inside of the playing field with an open side up in the middle of the center of the line that divides Zone B and Zone A in a diagonal configuration so that the two opposite corners are both on the center line. The goal box must be made of Plexiglas.**

**5) The competing team will inflate and tie off three circular blue 9" balloons and one red 9" balloon and place them in the goal box. The balloons must be completely within the goal box with no parts extending out of the box.**

**6) The robot must break the three blue balloons that are in the goal box to add 20 points per broken balloon to the team's score. The robot must remove the entire red balloon from the goal box in order to get the 40 points. The goal box and robot must be in bounds when the balloons are deflated by the robot.**

**7) At the end of the competition, if the robot (parts touching the ground) is completely in Zone A or the Goal Box, the team will receive 15 points.**

Kobe, Michael L. May 14, 2006