

# Robocup Jr. Event

## May 8<sup>th</sup>

### Clarifications

- ! Lunch will be provided on Thursday, May 8<sup>th</sup>.
- ! Each school may enter 2 teams; however, schools with larger populations may enter one team for every 50 Robotics students.
- ! Typically, the novice division includes grades 5-6, the intermediate includes grades 7-8, and the senior division is reserved for high school students. However, if desired, an advanced group from grade 6 can join the intermediate division and, similarly, an advanced group from grade 8 can join the senior division.

NOTE: The difficulty level of the novice division will remain the same as last year (i.e. no gaps or obstacles in the Robot Rescue Challenge). The difficulty of the intermediate and senior divisions will include gaps in some of the rooms. Refer to sections 1.5 and 1.7 of the Robot Rescue Rules.

- ! Standard building bricks will be used as obstacles around which the Robots must navigate. (Intermediate and Senior divisions)
- ! Section 1.8.2.2 of the Robot Rescue Rules should not include aluminum foil; victims will be constructed from aluminized tape.
- ! Section 1.1.2 of the Dance Rules: the dance practice will be on Wed. May 7<sup>th</sup> from 2:00pm-4:00 pm, NOT Thursday as it reads in the rules.
- ! The Dance floor will be constructed of three 8' x 4' pieces of white signboard. The resulting floor will be 12' x 8'.

### Tips

- ! Always bring more batteries than you think you will need.
  - Your robots will respond differently with low battery power.
  - Make sure that you do not remove all batteries from your RCX kit at the same time or you will lose all programming.
- ! Practice entering rooms via a ramp. (4' long, 1' rise) Note: the transition between rooms and ramps will not be perfectly smooth.
- ! There will be shadows which may effect the performance of your robots. (Section 1.6) Ensure that you practice under different lighting conditions.
- ! Note Rule 6.1.1 of the Robot Rescue Challenge.
- ! Ensure that you guard your RCX kit from the Towers when uploading programs, as there may be interference from other Towers.
- ! For Senior Teams regarding Robot Soccer:
  - Remember to bring extra AAA batteries for the soccer ball
  - Note the rules regarding ball capture zones 2.6.2 and pushing the ball into the net 5.7.