

2.008 - Final Contest Information

Seeding – In lab during week of 28 April 2008

Seeding will occur in the last lab before the contest. The purpose of seeding is twofold – it allows your instructor to view your complete working machine for grading, suggest last minute changes for robustness enhancement, and it allows your machine to be scored for placement in the first round of the contest. Generally, you will have three or so attempts at seeding but this is up to your instructor. Your machine will run on the table unopposed, without any other machine in the way. All contest rules apply (e.g. Starting positions, crossing lines, deploying barricades, etc).

Your highest score will be reported and used to seed the first round of the contest. Final values in seeding will not be distributed to the class! Anyone can watch seeding rounds. The initial bracket will not be available until the start of the contest.

Impound Day – Friday, 2 May 2008

Impounding signifies the end of work on your machine so it can be “shipped to the customer”. Impounding runs from 9:00 to 16:00 on impound day. The lab will close promptly at 17:00.

At impound, your machine will be checked for safety, wiring errors, general compliance with material limits and contest restrictions and design errors. Good engineering justification will be expected for any deviations. .

Size and weight do not need to be checked, as your robot should fit in the starting box with nothing protruding and it can only be made with materials in your kit. The heavier your robot, the slower it will be!

You will receive a green dot (compliant) or red dot (non-compliant) sticker based on how your machine impounds. Changes can be made until 16:00. The impound staff will be more mellow and accommodating earlier in the day, but will become very grumpy and robotic as the day wears on. Come early and have your robot inspected; if it does not pass, fix it!

After you impound the machine, you may not touch it until the contest day. No major changes can be made after impound, except for repairs that can be made onsite on Johnson.

After impounding your machine, **you must recycle your materials!**

The lab will close at 5:00 pm.

Impound Procedure:

1. When impounding your machine the staff will check for:
 - a. Safety check – No projectiles, sharp edges, etc: remember the naked phone booth rule!
 - b. Proper wiring – no bare wires and make sure to use proper strain relief
 - c. Battery and control box holders.
 - d. Design owies – fundamental principles or design guidelines should be followed or otherwise justified.
2. “Ship” Your Machine

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- a. Empty out your locker and place your robot in it. Toolbox and spare parts can be stored in your locker. If you keep your bin, so as to easily carry your robot, please return your bin after the competition.
- b. Anything that does not fit in your locker, take home.
- c. Put your lock on your locker with the dial facing inwards.
3. Recycling – Let’s save the planet one bushing at a time!
 - a. Return unused parts to proper yellow bins
 - b. Throw away parts that have been significantly altered or damaged, and place used stock in the recycle piles.
 - c. Return unused stock to the person in the 2.007 closet.
 - d. Throw away junk (paper, boxes, etc).

Impound Bonus

Students who impound their machines by 16:00 on Wednesday 30 April will receive an extra 10 bonus points added to their grade! BUT once impounded, you MUST not return to the Pappalardo lab (even to help others) until 7 May (to collect your machine).

Before the Contest

1. Bring your drill batteries and the charger home.
2. Completely recharge both of your batteries before both contest days and remember to bring them.
3. Prepare your toolbox with whatever tools and spare parts you might need.
4. Wear your official 2.007 T-shirt both days

Contest Day 1 – Wednesday, 7 May 2008 Johnson Ice Rink

Safety rules for the contest:

1. No Open Toe Shoes – else you will be sent home to get proper shoes.
2. Safety glasses must be worn at all times near the contest area, repair area and impound area.
3. No sitting in the aisles. There is a special area for the contestants to sit. Parents and co-drivers will be allowed to sit with contestants.
4. No walking down the fixed seating. Please use the aisles.
5. Bookbags, rollerblades, coats, etc. must be placed in the impound area.

Schedule:

Please note there are the only hours when you will have access to the Johnson Ice Rink:

12:30-16:00	<p>Pick up your machine in the Pappalardo Lab and bring it to Johnson Athletic Center W32. Put your robot and other (labeled) bits in the correct impound area for your lab section.</p> <p>Pick up your course feedback/evaluation form – it is required for admission to the pizza party.</p> <p>Open practice on the contest table, provided that it is up and running.</p>
17:30	Complete Evaluation form and pizza time

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18:15	Report to the Johnson Ice Rink – Do not be late!
18:30	Contest Begins*

* If you cannot make it till after 19:00, that's OK, but please tell Maureen Lynch [mlynch@mit.edu] by May 1 (give reason and time when you will arrive). If you are away for an official MIT function (or similar magnitude issue), find a substitute driver and notify Maureen by 1 May.

After Contest:

1. Place your robot in your designated impound section in the Johnson Ice Rink. Only minor repairs may be made at Johnson. If you need to do major repairs, you must get approval from Prof. Slocum. Major repairs only no concept-changing modifications, can be conducted in the Pappalardo lab Wednesday morning (or use one of the other shops on campus).
2. Everyone bring your batteries and charger to Johnson even if you are not competing on Wednesday. Your colleagues may desperately need to borrow your battery for the final rounds. Write your name on them so we can return them.
3. Lay out your 2.007 T-shirt to wear for the final contest rounds on Thursday.

Contest Day 2 – Thursday, 8 May 2008

Schedule:

14:00 – 16:00	You may practice on the contest table, provided that it is up and running. Minor repairs may be made at Johnson. If you need to do major repairs, you must get approval from Prof. Slocum (see above).
17:00	Food will also be provided tonight. We need students to come and mingle with the sponsors and alumni!
18:00	Report to the Johnson Ice Rink – Do not be late!
18:30	Chorallaries perform.
18:50	Professor Slocum explains the contest to the audience.
19:00	Contest Begins*

* Once again, if you have a valid excuse, find a substitute driver and tell Maureen by 1 May.

AFTER the Contest: You will be instructed as to what to do with your storage boxes and your Robot. Please listen carefully to the instructions.

Good Luck! The staff is soooo proud of your creativity and diligence! U R the future!