Weekly Lab guidelines

1. Lab Grading – These policies apply to all labs
   1. Demo - 30% of the lab grade
      1. The code for your demo must be uploaded into WebCT directly after completion of the demo, under supervision of a TA.
         1. NOTE: Your code should be properly commented at this time and formatted correctly, because after the demo you will not be allowed to modify your code before upload to WebCT.
         2. Only one upload is needed per group, a submission box will be created on WebCT.
      2. The code for the demo should be the only file on the NXT and should be uploaded to the NXT right before the demo, under a TA's supervision.
      3. For a demo, **BOTH** partners must be present without a doctor's note excuse or pre-approval.
   2. Prelab – 20%
      1. This must be completed by 5PM the day before the lab starts.
      2. They are to be completed individually.
   3. Code – 10%
      1. Code grading is based on comments and styling, NOT syntax or semantics. (The demo shows syntax and semantics, as well as functionality)
      2. Incomplete code should have comments put in explaining what would have been done were the code complete.
         1. i.e. If you fail the demo, you can still get the full 10% on your code.
   4. Report – 40%
      1. The report is broken into 4 parts (excluding Lab 1 – Wall Following which will be described later). The 4 parts are as follows (each worth ¼ of the lab report):
         1. Data Collection (2 sentences + data)
         2. Observations and Conclusion
         3. Error Analysis (When possible, specify sub, super, or linear error growth)
         4. Further Improvements
      2. The wall following lab report will be as follows (each part is worth 1/3 of the lab):
         1. Data Analysis
         2. Observations and Conclusion
         3. Further Improvements
      3. FURTHER NOTES: This is expected to be university level work, meaning keep things short, concise and to the point. Please proof read your report before submission.
2. Further notes
   1. If you haven't already done so, install the lejos nxj software and get familiar with the syntax and Java API (the API will be used heavily, so get used to navigating it)
   2. Also install eclipse and the lejos plugin
      1. (Guides for steps 1 and 2 will be provided either by a TA or on WebCT)
   3. Lab 1 will begin Wednesday September 11th, meaning that Prelab 1 will be due Tuesday September 10th at 5 PM.
   4. Lab 1's demo will be due by Tuesday September 17th, and the report will be due Thursday September 19th at 11:59PM. Lab 2 will begin on Wednesday September 18th. There will always be this overlap for labs.
   5. Use of the *lejos.robotics.** packages is strictly prohibited. (Save for the final project)
   6. Submission guidelines

1. The code should be submitted as a single .zip file after the demo is completed.
2. The report and all data documents should be submitted as a single .zip file by the due date at 11:59 PM. The report should be in .pdf format. (If there is only 1 document, a single pdf is fine, no zip is required)
    1. WebCT dictates time, and if WebCT states 12:00 AM, then the lab is late. Therefore don't submit at the last possible minute, even if your personal clock states otherwise.
7. Lab Etiquette
    1. Do <u>NOT</u> step on the wooden floor with shoes on, socks **only**.
    2. Do <u>NOT</u> write on the wooden floor with **anything**; pen, pencil, or otherwise.
    3. Avoid applying undue pressure to the wooden floor tiles. Also avoid scratching the floor with abrasive materials.
    4. Store your LEGO kit in the locker that matches your group number.
    5. On demo day, no demos will be conducted after 5 PM. (Save if the university mandates an alteration to the normal schedule, and any changes will be announced in class and/or on WebCT.)