# 2012 Project Engineering Notebook Score Sheet

**Purpose:** To document the process used to design, build, and test the robot (25 Points)

<table>
<thead>
<tr>
<th>Possible Points</th>
<th>Score</th>
</tr>
</thead>
</table>

## DESIGN PROCESS (15 Points)

- **Implementation of the Engineering Design Process**
  - Evidence that the engineering process was effectively used.
  - **25**
  - *Comments:*

- **Brainstorming Approaches**
  - How well organized and productive was the brainstorming approach used and documented
  - **25**
  - *Comments:*

- **Analytical Evaluation of Design Alternatives**
  - Use of analytical and mathematical skills in deciding upon and implementing design alternatives
  - **25**
  - *Comments:*

- **Offensive and Defensive Evaluation**
  - Analysis of gaming strategies and design elements to achieve goals
  - **25**
  - *Comments:*

- **Safety**
  - Evidence that safety training occurred and safe practices were followed to prevent students’ misuse of tools and other devices/equipment that may result in personal injury or damage to property
  - **25**
  - *Comments:*

- **Support Documentation**
  - CAD/other drawings, photos, team organization, meeting minutes, test results, etc. that support the main document
  - **25**
  - *Comments:*

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**Team Number:** ____________  **School:** ________________________________

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Page 1 of 2
## RESEARCH PAPER (4 Points)

<table>
<thead>
<tr>
<th>Criteria</th>
<th>Points</th>
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<tbody>
<tr>
<td>Correlation between game and how the science/technology is being used at a company/industry/research lab in the team’s state or region</td>
<td>10</td>
</tr>
<tr>
<td>Any related information of game theme, such as history, famous inventor(s), or major milestones.</td>
<td>10</td>
</tr>
<tr>
<td>Creativity in linking game theme to appropriately related science content</td>
<td>10</td>
</tr>
<tr>
<td>Proper use of grammar and composition throughout paper, citations of sources used to gather information for paper, stayed within 2-5 page limit</td>
<td>10</td>
</tr>
</tbody>
</table>

Comments:

### OVERALL QUALITY AND COMPLETENESS OF NOTEBOOK (6 Points)

<table>
<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>Submission of completed Team Demographics Form</td>
<td>15</td>
</tr>
<tr>
<td>Organization and appearance</td>
<td>15</td>
</tr>
<tr>
<td>Adherence to specifications</td>
<td>15</td>
</tr>
<tr>
<td>Quality of content</td>
<td>15</td>
</tr>
</tbody>
</table>

Comments:

**Total 250**

\[ \frac{\text{Total}}{10} + \frac{\pm 10}{10} = \frac{25}{10} \]

**Final score: 25**