

Team Number: _____

School: _____

2009 Project Engineering Notebook Score Sheet – South’s BEST

| Purpose: To document the process used to design, build, and test the robot (30 Points) | Possible Points | Score |
|--|-----------------|-------|
| DESIGN PROCESS (18 Points) | | |
| <ul style="list-style-type: none"> • Implementation of the Engineering Design Process Evidence that the engineering process was effectively used. | 30 | |
| <i>Comments:</i> | | |
| <ul style="list-style-type: none"> • Brainstorming Approaches How well organized and productive was the brainstorming approach used and documented. | 30 | |
| <i>Comments:</i> | | |
| <ul style="list-style-type: none"> • Analytical Evaluation of Design Alternatives Use of analytical and mathematical skills in deciding upon and implementing design alternatives. | 30 | |
| <i>Comments:</i> | | |
| <ul style="list-style-type: none"> • Offensive and Defensive Evaluation Analysis of gaming strategies and design elements to achieve goals | 30 | |
| <i>Comments:</i> | | |
| <ul style="list-style-type: none"> • Design Creativity Overall use of creativity to solve the problem presented in the game. | 30 | |
| <i>Comments:</i> | | |
| <ul style="list-style-type: none"> • Support Documentation CAD/other drawings, photos, team organization, meeting minutes, test results, etc. that support the main document. | 30 | |
| <i>Comments:</i> | | |

| RESEARCH PAPER (4 Points) | | |
|---|--------------|--------------------|
| <ul style="list-style-type: none"> ▪ Correlation between game and current and future use of similar technology | 10 | |
| <i>Comments:</i> | | |
| <ul style="list-style-type: none"> ▪ Any related information of game theme, such as history, famous inventor(s), or major milestones. | 10 | |
| <i>Comments:</i> | | |
| <ul style="list-style-type: none"> ▪ Creativity in linking game theme to appropriately related science content | 10 | |
| <i>Comments:</i> | | |
| <ul style="list-style-type: none"> ▪ Proper use of grammar and composition throughout paper, citations of sources used to gather information for paper, stayed within 2-5 page limit | 10 | |
| <i>Comments:</i> | | |
| OVERALL QUALITY AND COMPLETENESS OF NOTEBOOK (8 Points) | | |
| <ul style="list-style-type: none"> • Organization and appearance Table of contents, summary, page numbers, discussion of evaluation points, linkage to appendices. | 20 | |
| <i>Comments:</i> | | |
| <ul style="list-style-type: none"> • Adherence to specifications Standard binder, business font no smaller than 12 pt., double-spaced (single spaced ok in tables and outlines), 30 one-sided page limit for main section, 20 double-sided page limit for appendices, 1" margins, required cover information. | 30 | |
| <i>Comments:</i> | | |
| <ul style="list-style-type: none"> • Quality of content Well written descriptions, clear photo labels, lack of extraneous material, etc. | 30 | |
| <i>Comments:</i> | | |
| | Total | 300 |
| | | <u>÷10</u> |
| Final score: | 30 | <u>÷ 10</u> |

Judge signature: _____