

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: _____