FLL
FIRST LEGO League

Core Values

Team Number
Judging Room

Directions: For each skill area, clearly mark the box that best describes the team's accomplishments. If the team does not demonstrate skill in a particular area, then put an 'X' in the first box for Not Demonstrated (ND). Please provide as many written comments as you can to acknowledge each team's hard work and to help teams improve. *When you have completed the evaluation, please circle the awards for which you would like this team to be considered.*

	Beginning	Developing	Accomplished	Exemplary
Discovery	Balanced emphasis on all three aspects (Robot, Project, Core Values) of FLL; it's not just about winning awards			
ND	emphasis on only one aspect; others neglected	*emphasis on two aspects; one aspect neglected*	emphasis on all three aspects	balanced emphasis on all three aspects
Team Spirit	Enthusiastic and fun expression of the team identity			
ND	minimal enthusiasm AND minimal identity	minimal enthusiasm OR minimal identity	*team is enthusiastic and fun; clear identity*	team engages others in their enthusiasm & fun; clear identity
Integration	Application of FLL values and skills outside FLL (ability to describe current and potential examples from daily life)			
ND	team does not apply FLL values and skills outside FLL	*team able to describe at least one example*	team able to describe multiple examples	team able to describe multiple examples, incl. individual stories

Inspiration

Comments:

	Beginning	Developing	Accomplished	Exemplary
Effectiveness	Problem solving and decision making processes help team achieve their goals			
ND	team goals AND team processes unclear	*team goals OR team processes unclear*	clear team goals and processes	clear processes enable team to accomplish well defined goals
Efficiency	Resources used relative to what the team accomplishes (time management, distribution of roles and responsibilities)			
ND	limited time management AND unclear roles	*limited time management OR unclear roles*	excellent time management and role definition allows team to accomplish most goals	excellent time management and role definition allows teams to accomplish all goals
Kids Do the Work	Appropriate balance between team responsibility and coach guidance			
ND	limited team responsibility AND excessive coach guidance	*limited team responsibility OR excessive coach guidance*	Good balance between team responsibility and coach guidance	team independence with minimal coach guidance

Teamwork

Comments:

	Beginning	Developing	Accomplished	Exemplary
Inclusion	Consideration and appreciation for the contributions (ideas and skills) of all team members, with balanced involvement			
ND	unbalanced team involvement AND lack of appreciation for contributions	unbalanced team involvement OR lack of appreciation for contributions	*balanced team involvement AND appreciation for contributions of most team members*	balanced team involvement AND appreciation for contributions of all team members
Respect	Team members act and speak with integrity so others feel valued-- especially when solving problems or resolving conflicts			
ND	not evident with majority of team members	*evident with majority of team members*	almost always evident with all team members	always evident, even in the most difficult situations
Coopertition™	Team competes in the spirit of friendly competition and cooperates with others			
ND	not evident with majority of team members	*evident with majority of team members*	almost always evident with all team members	always evident, even in difficult situations--and team actively helps other teams

Gracious Professionalism™

Comments:

Awards Consideration:	**Inspiration**	**Teamwork**	**Gracious Professionalism™**

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Project

Team Number
Judging Room

Directions: For each skill area, clearly mark the box that best describes the team's accomplishments. If the team does not demonstrate skill in a particular area, then put an 'X' in the first box for Not Demonstrated (ND). Please provide as many written comments as you can to acknowledge each team's hard work and to help teams improve. *When you have completed the evaluation, please circle the awards for which you would like this team to be considered.*

		Beginning	Developing	Accomplished	Exemplary
Research	**Problem Identification**	Clear definition of the problem being studied			
	ND	unclear; few details	somewhat clear; details missing	clear; detailed	very clear; very detailed
	Sources of Information	Types (e.g. books, magazines, websites, reports and other resources) and number of quality sources cited, including professionals in the field			
	ND	one type of information cited; minimal sources	two types of information cited; several sources	three types of information cited; many sources, including professionals	four(+) types of information cited; extensive sources, incl. professionals
	Problem Analysis	Depth to which the problem was studied and analyzed by the team			
	ND	minimal study; no team analysis	minimal study; some team analysis	sufficient study and analysis by team	extensive study and analysis by team
	Review Existing Solutions	Extent to which existing theories and solutions were analyzed by the team, Including an effort to verify the originality of the team's solution			
	ND	minimal review; no team analysis	minimal review; some team analysis	sufficient review and analysis by team	extensive review and analysis by team

Comments:

		Beginning	Developing	Accomplished	Exemplary
Innovative Solution	**Team Solution**	Clear explanation of the proposed solution			
	ND	difficult to understand	some parts confusing	understandable	easy to understand by all
	Innovation	Degree to which the team's solution makes life better by improving existing options, developing a new application of existing ideas, or solving the problem in a completely new way			
	ND	existing solution/application	solution/application contains some original element(s)	original solution/application	original solution/application with the potential to add significant value
	Implementation	Consideration of factors for implementation (cost, ease of manufacturing, etc.)			
	ND	minimal factors considered	some factors considered	factors well considered; some question about proposed solution	factors well considered and feasible solution proposed

Comments:

		Beginning	Developing	Accomplished	Exemplary
Presentation	**Presentation Effectiveness**	Message delivery and organization of the presentation			
	ND	unclear OR disorganized	somewhat clear; minimal organization	mostly clear; mostly organized	very clear AND well organized
	Creativity	Imagination used to develop and deliver the presentation			
	ND	minimally engaging OR unimaginative	engaging OR imaginative	engaging AND imaginative	very engaging AND exceptionally imaginative
	Sharing	Degree to which the team shared their Project before the tournament with others who might benefit from the team's efforts			
	ND	shared with one individual	shared with one group	shared with one individual or group who may benefit	shared with multiple individuals or groups who may benefit

Comments:

Awards Consideration:	Research	Innovative Solution	Presentation

FLL FIRST® LEGO® League

Robot Design

Team Number
Judging Room

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	Beginning	Developing	Accomplished	Exemplary
Durability	Evidence of structural integrity; ability to withstand rigors of competition			
ND	quite fragile; breaks a lot	frequent or significant faults/repairs	*rare faults/repairs* ⬭	sound construction; no repairs
Mechanical Efficiency	Economic use of parts and time; easy to repair and modify			
ND	excessive parts or time to repair/modify	*inefficient parts or time to repair/modify* ⬭	appropriate use of parts and time to repair/modify	streamlined use of parts and time to repair/modify
Mechanization	Ability of robot mechanisms to move or act with appropriate speed, strength and accuracy for intended tasks (propulsion and execution)			
ND	imbalance of speed, strength and accuracy on most tasks	*imbalance of speed, strength and accuracy on some tasks* ⬭	appropriate balance of speed, strength and accuracy on most tasks	appropriate balance of speed, strength and accuracy on every task

Mechanical Design

Comments:

	Beginning	Developing	Accomplished	Exemplary
Programming Quality	Programs are appropriate for the intended purpose and would achieve consistent results, assuming no mechanical faults			
ND	would not achieve purpose AND would be inconsistent	*would not achieve purpose OR would be inconsistent* ⬭	should achieve purpose repeatedly	should achieve purpose every time
Programming Efficiency	Programs are modular, streamlined, and understandable			
ND	excessive code and difficult to understand	inefficient code and challenge to understand	*appropriate code and easy to understand* ⬭	streamlined code and easy for anyone to understand
Automation/Navigation	Ability of the robot to move or act as intended using mechanical and/or sensor feedback (with minimal reliance on driver intervention and/or program timing)			
ND	frequent driver intervention to aim AND retrieve robot	*frequent driver intervention to aim OR retrieve robot* ⬭	robot moves/acts as intended repeatedly w/ occasional driver intervention	robot moves/acts as intended every time with no driver intervention

Programming

Comments:

	Beginning	Developing	Accomplished	Exemplary
Design Process	Ability to develop and explain improvement cycles where alternatives are considered and narrowed, selections tested, designs improved (applies to programming as well as mechanical design)			
ND	disorganized AND poorly explained improvement cycles	disorganized OR poorly explained improvement cycles	*systematic and well-explained improvement cycles* ⬭	systematic, well-explained and well-documented improvement cycles
Mission Strategy	Ability to clearly define and describe the team's game strategy			
ND	no clear goals AND no clear strategy	no clear goals OR no clear strategy	*clear strategy to accomplish the team's well defined goals* ⬭	clear strategy to accomplish most/all game missions
Innovation	Creation of new, unique, or unexpected feature(s) (e.g. designs, programs, strategies or applications) that are beneficial in performing the specified tasks			
ND	original feature(s) with no added value or potential	*original feature(s) with some added value or potential* ⬭	original feature(s) with the potential to add significant	original feature(s) that add significant value

Strategy & Innovation

Comments:

Awards Consideration:	**Mechanical Design**	**Programming**	**Strategy & Innovation**