![FIRST LEGO LEAGUE logo] **Judging Rubric** Team #_____ Name_____ Room_____

Directions: For each skill area, clearly mark the box that best describes the team's accomplishments. 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 team's strengths.*

Beginning = Significantly less than description. Developing = Less than description. Accomplished = Meets description, Exemplary = Exceeds description

Core Values

Inspiration
Balanced approach to all three aspects while team shows enthusiasm and fun expression of team identity and demonstration of application of *FIRST* LEGO League values

Accomplished:	*emphasis on all three aspects; team is enthusiastic and fun; clear identity; team able to describe multiple examples*	Beginning	Developing	Accomplished	Exemplary

Teamwork
Problem solving and decision making processes explained while appropriate balance between team responsibility and coach guidance

Accomplished:	*clear team goals and processes; excellent time management and role definition allows team to accomplish most goals; Good balance between team responsibility and coach guidance*	Beginning	Developing	Accomplished	Exemplary

Gracious Professionalism
Consideration, respect and appreciation for the contribution of all team members and demonstration that the team competes in the spirit of friendly competition

Accomplished:	*balanced team involvement AND appreciation for contributions of most team members; almost always evident with all team members*	Beginning	Developing	Accomplished	Exemplary

Comments:

Project

Research
Clear definition of the problem being studied; the quality and variety of sources cited including professionals in the field; the extent to which existing solutions were analyzed

Accomplished:	*mostly clear; detailed; sufficient quality and variety including professionals; sufficient study and analysis by team*	Beginning	Developing	Accomplished	Exemplary

Innovative Solution
Clear explanation of proposed solution; degree to which the team's solution makes life better by improving existing options, developing new applications, or a new idea; use of a systematic process to develop the solution

Accomplished:	*Understandable; original solution/application with the potential to add value; systematic and well-explained, including evaluation or verification*	Beginning	Developing	Accomplished	Exemplary

Presentation
Degree to which the team shared their Project before the tournament with others who might benefit. Effectiveness of message delivery and presentation creativity

Accomplished:	*shared with more than individual or group who may benefit; engaging AND imaginative; mostly clear; mostly organized*	Beginning	Developing	Accomplished	Exemplary

Comments:

Robot Design

Mechanical Design
Economic use of parts and time; easy to repair and modify with evidence of structural integrity and the ability of the robot to move or act with appropriate speed, strength & accuracy for intended tasks

Accomplished:	*rare faults/repairs; appropriate use of parts and time to repair/modify; appropriate balance of speed, strength and accuracy on most tasks*	Beginning	Developing	Accomplished	Exemplary

Programming
Modular, understandable programs that are appropriate for intended purpose and would achieve consistent results using mechanical or sensor feedback

Accomplished:	*should achieve purpose repeatedly; appropriate code and easy to understand; robot moves/acts as intended repeatedly w/ occasional driver intervention*	Beginning	Developing	Accomplished	Exemplary

Strategy & Innovation
Ability to develop and explain improvement cycles where alternatives are considered; ability to clearly define and describe the team's game strategy which includes unique, or unexpected feature(s) that are beneficial in performing the specified tasks

Accomplished:	*systematic and well-explained; clear strategy to accomplish the team's well defined goals; original feature(s) with the potential to add significant value*	Beginning	Developing	Accomplished	Exemplary

Comments:

Strength(s):   Project   Robot Design   Core Values

This version of the *FIRST* LEGO League rubric is ONLY approved for use in select pilot regions during the 2018-2019 INTO ORBIT[SM] Season.