

# Evaluation Research Project

FIRST® LEGO® League 2019/20



Team number \_\_\_\_\_

Team name \_\_\_\_\_

Project topic \_\_\_\_\_



HANDS ON TECHNOLOGY

Please mark <u>one</u> field per row.		exemplary	accomplished	developing	beginning
Research	<b>Problem identification</b> Clear definition of the problem being studied	clear; very detailed	mostly clear; detailed	partially clear; details missing	unclear; few details
	<b>Sources of information</b> Quality and variety of the data, evidence and sources cited		high quality and variety; included several professionals	sufficient quality and variety; included professional(s)	minimal quality; variety limited
	<b>Problem analysis</b> Depth to which the problem was studied and analysed by the team		extensive study	sufficient study	minimal study
	<b>Analysis of existing solutions</b> Extent of analysis of existing solutions	extensive analysis	sufficient analysis	some analysis	minimal analysis
Innovative Solution	<b>Team Solution</b> Clear explanation of the proposed solution and description of how it solves the problem	easy to understand by all	understandable	some parts confusing	difficult to understand
	<b>Innovation</b> Degree to which the solution improves life: existing possibilities are optimized, new applications are developed from existing ideas, or a problem is solved in a completely new way	original solution/application with the potential to add significant value	original solution/application	solution/application contains some original element(s)	existing solution/application
	<b>Solution Development</b> Systematic process used to select, develop, evaluate, test, and improve the solution (implementation could include cost, ease of manufacturing, etc.)	systematic process included evaluation; implementation considered	systematic process included evaluation	process OR explanation need improvement	no process noticeable
	<b>Prototype realized</b> practical implementation of the solution		prototype implemented and/or tested	prototype designed	prototype not planned
Presentation	<b>Sharing</b> Degree to which the team shared their Project before the tournament with others who might benefit from the team's efforts		shared with multiple audiences who may benefit OR multiple professionals	shared with one audiences who may benefit OR one professional	shared with family / friends
	<b>Creativity</b> Imagination used to develop and deliver the presentation		very engaging AND exceptionally imaginative	engaging OR imaginative	minimally engaging OR unimaginative
	<b>Presentation performance</b> Quality of the spoken presentation		clear and fluent	rehearsed; mostly clear language	little practiced and difficult to understand
	<b>Involvement of the team</b> Participation of the team members in the presentation		all team members	several team members	very few or only one team member
	<b>Structure</b> Structure of the presentation			clear	unclear
	<b>Time management</b> Timing of the presentation			good	too long (> 5 minutes) or too short (< 4 minutes)
<b>Number of crosses per column</b>					
<b>Bonus points (max. 5)</b>					

Comments of the judges