Core Values

FIRST LEGO LEAGUE CHALLENGE

Team #	Team Name	Judging Room

If the team is a candidate for one of these awards, please tick the appropriate box:

☐ **Breakthrough Award** — A team that made significant progress in their confidence and capability and who understand that what they discover is more important than what they win.

☐ **Rising All-Star** — A team that the judges notice and expect great things from in the future.

☐ **Motivate** — A team that embraces the culture of *FIRST* LEGO League through team building, team spirit and displayed enthusiasm.

BEGINNING Minimal examples observed across the team.	DEVELOPING Some examples observed across the team.	ACCOMPLISHED Multiple examples observed across the team.	EXCEEDS	Explain how team exceeds:
1	2	3	4	
DISCOVERY - Team explored new skills and ideas.				
☐	☐	☐	☐	
INNOVATION - Team used creativity and persistence to solve problems.				
☐	☐	☐	☐	
IMPACT - Team applied what they learned to improve their world.				
☐	☐	☐	☐	
INCLUSION - Team demonstrated respect and embraced their differences.				
☐	☐	☐	☐	
TEAMWORK - Team clearly showed they had worked as a team throughout their journey.				
☐	☐	☐	☐	
FUN - Teams clearly had fun and celebrated what they have achieved.				
☐	☐	☐	☐	

Feedback Comments

Great Job:

Think about:

Innovation Project

Team #	Team Name		Judging Room

FIRST LEGO LEAGUE CHALLENGE

Instructions

Teams should communicate to the judges their achievement in each of the criteria below.
This rubric should be filled out during the Innovation Project presentation.

Judges are required to tick one box on each separate line to indicate the level the team has achieved. If the team exceeds, please make a short comment in the Exceeds box.

BEGINNING 1	DEVELOPING 2	ACCOMPLISHED 3	EXCEEDS 4 *How has the team exceeded?*
IDENTIFY - Team had a clearly defined problem that it was well researched.			
☐ Problem not clearly defined	☐ Partially clear definition of the problem	☐ Fully clear definition of the problem	☐
☐ Minimal research	☐ Some research but quality unclear	☐ Wide variety of quality research	☐
DESIGN - Team generated innovative ideas independently before selecting and planning which one to develop.			
☐ Minimal idea generation across the team	☐ Evidence of some ideas from across the team	☐ Evidence of a lot of ideas from across the team	☐
☐ Minimal planning with some team members included	☐ Some effective planning with some team members included	☐ Highly effective planning including all team members	☐
CREATE - Team developed an original idea or built on an existing one with a prototype model/drawing to represent their solution.			
☐ Minimal development of innovative solution	☐ Partial development of innovative solution	☐ A lot of development of innovative solution	☐
☐ No model/drawing of solution	☐ Simple model/drawing which helps to share the solution	☐ Detailed model/drawing which helps to share the solution	☐
ITERATE - Team shared their ideas, collected feedback and included improvements in their solution.			
☐ Minimal sharing of their solution	☐ Some sharing of their solution	☐ A lot of sharing of their solution	☐
☐ Minimal evidence of improvements in their solution	☐ Some evidence of improvements in their solution	☐ A lot of evidence of improvements in their solution	☐
COMMUNICATE - Team shared a creative and effective presentation of their current solution and its impact on their users.			
☐ Presentation minimally engaging	☐ Presentation partially engaging	☐ Presentation very engaging	☐
☐ Solution and its potential impact on others unclear	☐ Solution and its potential impact on others partially clear	☐ Solution and its potential impact on others fully clear	☐

Feedback Comments

Great Job:

Think about:

Robot Design

FIRST
LEGO
LEAGUE
CHALLENGE

Team #	Team Name		Judging Room

Instructions

Teams should communicate to the judges their achievement in each of the criteria below.
This rubric should be filled out during the Robot Design explanation.

Judges are required to tick one box on each separate line to indicate the level the team has achieved. If the team exceeds, please make a short comment in the Exceeds box.

BEGINNING 1	DEVELOPING 2	ACCOMPLISHED 3	EXCEEDS 4
			How has the team exceeded?
IDENTIFY - Team had a clearly defined mission strategy and explored building and coding skills they needed.			
☐ No clear mission strategy	☐ Partially clear mission strategy	☐ Fully clear mission strategy	☐
☐ Some team members learned building and coding skills	☐ Many team members learned building and coding skills	☐ All team members learned building and coding skills	☐
DESIGN - Team produced innovative designs and a clear workplan, seeking guidance as needed.			
☐ Minimal evidence of an effective workplan	☐ Some evidence of an effective workplan	☐ A lot of evidence of an effective workplan	☐
☐ Minimal explanation of robot and code's innovative features	☐ Some explanation of robot and code's innovative features	☐ A lot of explanation of robot and code's innovative features	☐
CREATE - Team developed an effective robot and code solution matching their mission strategy.			
☐ Limited functionality of robot attachments or sensors	☐ Developing functionality of robot attachments or sensors	☐ Good functionality of robot attachments or sensors	☐
☐ Unclear explanation of how code makes their robot act	☐ Partially clear explanation of how code makes the robot act	☐ Fully clear explanation of how code makes their robot act	☐
ITERATE - Team repeatedly tested their robot and code to identify areas for improvement and incorporated the findings into their current solution.			
☐ Minimal evidence of testing their robot and code	☐ Some evidence of testing their robot and code	☐ A lot of evidence of testing their robot and code	☐
☐ Minimal evidence their robot and code was improved	☐ Some evidence their robot and code was improved	☐ A lot of evidence their robot and code was improved	☐
COMMUNICATE - Team's explanation of the robot design process was effective and showed how all team members have been involved.			
☐ Unclear explanation of robot design process	☐ Partially clear explanation of robot design process	☐ Fully clear explanation of robot design process	☐
☐ Clear evidence that some team members involved	☐ Clear evidence that many team members involved	☐ Clear evidence that all team members involved	☐

Feedback Comments

Great Job:

Think about: