

Think Award

Team Number: Team Name:			Judge's Name:							
The	eng	lged award is given to the team that best reflects the jo gineering content within the PORTFOLIO is the key refer nal detailed information that is helpful for the JUDGES.								
				Team s	ubmitted a	PORTFOLIO				
Thi	nk	Award	N/A	Beginning	Developing	Accomplished	Exemplary	Notes		
Required	1	PORTFOLIO must include engineering content, which includes at least one of the following examples: A. evidence of use of the engineering process, B. lessons learned, C. trade off analysis/cost benefit analysis, and/or D. mathematical analysis used to make design decisions Team should be able to discuss, describe, display, or document the engineering content contained in								
	2	their PORTFOLIO during the formal and pit interviews.								
Encouraged	3	Team PORTFOLIO may include information about technical resources, which includes any number of the following examples: A. how the team acquire new mentors, B. how the team learns from team mentors, and/or C. development plan for team members to learn new skills								
	4	PORTFOLIO information is organized in a clear and intuitive manner.								



Connect Award

Team Number: Team Name:			Judge's Name:								
has	a t	FIRST team is more than a sum of its parts and recogni eam plan and has identified steps to achieve their goals		~ ~	•			an essential part in their success. This team			
Со	nne	ect Award	N/A	Beginning	Developing	Accomplished	Exemplary	Notes			
Required	1	Team must describe, display, or document a team plan that covers <u>all</u> of the following: A. The team's goals for the development of team member skills, and B. The steps the team has taken or will take to reach those goals									
raged	2	Provide examples of developing in person or virtual connections with individuals in the engineering, science, or technology community.									
Encouraged	3	Provide examples of how it actively engages with the engineering community.									



Motivate Award

Te	am	n Number: Team Name: _					J	udge's Name:
		am embraces the culture of FIRST and shows what it m mmunity and sparks others to embrace FIRST's culture.						ort to make <i>FIRST</i> known throughout their schoo
Мо	tiv	ate Award	N/A	Beginning	Developing	Accomplished	Exemplary	Notes
Required	1	Team must describe, display, or document an organizational plan, which includes at least one of the following examples: A. team or organization goals, B. finances and financial sustainability plan, C. risk management planning, D. season timeline project planning, and/or outreach and service plan						
	2	Discuss, describe, display, or document the individual contributions of each team member, and how these apply to the overall success of the team.						
Pi	3	Is a ambassador for <i>FIRST</i> programs and successfully recruits people who were not already active within the STEM community.						
Encouraged	4	Evidence of using lessons learned from outreach activities to improve future events.						
	5	Has a creative approach to materials that market their team and <i>FIRST</i> .						



Innovate Award sponsored by RTX

Team Number: Team Name:				Judge's Name:								
awa this	rd i aw	ovate Award celebrates a team that thinks imaginatively signed to the team that has an innovative and creative ard include design, robustness, and creative thinking red to the ROBOT and does not have to work all the time	ROBO lated t	T design s o design.	olution to a This award	ny specific co may address	omponents the design	in the FIRST Tech Challenge game. Elements of of the whole ROBOT or of a MECHANISM				
Inn	ova	ate Award sponsored by RTX	N/A	Beginning	Developing	Accomplished	Exemplary	Notes				
	1	Team must describe, display, or document examples of the team's engineering content that illustrate how the team arrived at their design solution.										
Required	2	ROBOT or ROBOT MECHANISM is creative and unique in its design.										
	3	Creative design element must be stable, robust, and contribute positively to the team's game objectives most of the time.										
Encouraged	4	Creative designs often come with additional risks, the team should document or describe how they mitigated that risk.										



Control Award

Team Number: Team Name:			Judge's Name:								
den or u	non: sing	ntrol Award celebrates a team that uses sensors and sestrates innovative thinking and solution(s) to solve gamg sensors to achieve better results. The solution(s) shore, sensors, and mechanical control but would not inclu	e cha uld wo	llenges su ork consist	ch as auton ently during	omous opera 1 MATCHES. 1	tion, improv	ving mechanical systems with intelligent control			
				Team s	ubmitted a	PORTFOLIO					
Со	ntro	ol Award	N/A	Beginning	Developing	Accomplished	Exemplary	Notes			
Required	1	The PORTFOLIO must include <u>all</u> of the following: A. hardware and/or software control COMPONENTS on the ROBOT, B. which challenges each COMPONENT or system is intended to solve, and C. how does each COMPONENT or system work									
Ř	2	Team must use one or more hardware or software solutions to improve ROBOT functionality by using external feedback and control.									
raged	3	Team could describe, display, or document how the solution should consider reliability, either through demonstrated effectiveness or identification of how the solution could be improved.									
Encouraged	4	Use of the engineering process to develop the control solutions (sensors, hardware and/or algorithms) used on the ROBOT includes lessons learned.									



Design Award

Team Number: Team Name: _			Judge's Name:								
		sign Award celebrates the team that demonstrates industrates industrates industrates industrially des									
Design Award			N/A	Beginning	Developing	Accomplished	Exemplary	Notes			
ired	1	A team must be able to describe or demonstrate how their ROBOT is elegant, efficient (simple/executable), and practical to maintain.									
Required	2	The entire machine design, or the detailed process used to develop the design, is worthy of this recognition, and not just a single COMPONENT.									
_	3	The ROBOT distinguishes itself from others by its aesthetic and functional design.									
Encouraged	4	The basis for the design is well considered (that is inspiration, function, etc.).									
	5	Design is effective and consistent with team's game plan and/or strategy.									