

Participation & Leadership 1

Participant Resource Sheet



A common understanding and clear team goals are keys to any team's success. In the Participation & Leadership Level 1 badge, participants learn about their own team history, demonstrate knowledge of the foundations of FIRST, learn safety practices and recognize how FIRST robots work.

This badge is organized into 4 topics. To earn the Level 1 Participation & Leadership Badge, participants must successfully complete all items in each topic.

Mentors will certify the participant knowledge using the downloadable rubric.

Name: _____ Email used for badges: _____

<i>Topic</i>	<i>Task</i>	<i>Mentor Sign & Date</i>
Team Information	Identify how the team communicates internally.	
Team Information	Identify how the team communicates externally.	
Team Information	Know basic team history (how long the team has been participating, etc.)	
Team Information	Know the team name and number, and team sponsors	
Team Information	Identify how the team is funded.	
Safety	Demonstrate proper lifting techniques.	
Safety	Demonstrate how to turn the robot on and off.	
Safety	Describe how energy is stored and released in the team robot.	
Safety	Name 3 behaviors that are prohibited in the pit area.	
Safety	Identify the required attire to be in the field area	
Safety	Demonstrate proper use of safety glasses in the shop.	
Safety	Identify proper attire and dress expectations while working in a shop setting	
Safety	Explain and apply safety procedures for common shop tools.	
Safety	Explain how to safely store batteries and how to react in the case of a battery spill or leak.	
Safety	Explain how to safely store materials in the team shop.	
Safety	Know the location of the first aid kit.	
Foundations of FIRST	Actively participate for 60 hours in build season	
Foundations of FIRST	Attend 2 competitive FIRST FRC Events; can stretch multiple years	
Foundations of FIRST	Describe the concept of coopertition and give an example	
Foundations of FIRST	Describe the concept of Gracious Professionalism and give an example	
Foundations of FIRST	Describe the basic definition of FRC	
Foundations of FIRST	Describe who Dean Kamen is and why FRC is important	
Foundations of FIRST	Describe who Woodie Flowers is and what his contribution is to FIRST	
Team Robot	Describe how to locate the rules of the robot competition	
Team Robot	Name 3 design constraints (size, weight, etc.) of the robot.	
Team Robot	Describe the desired function of the team's robot.	
Team Robot	Describe a strategy that the team will use or have used	
Team Robot	Describe how the mechanisms and appendages work on the team robot.	
Team Robot	Identify and describe parts of the robot and how they work together.	
Team Robot	At a competition, watch a robot from another team that works differently and describe how it functions.	

Badge Completed Date: _____

Date Submitted: _____