

# Robot Design



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

## Feedback Comments

Great Job:

Think about: