



IEEE Ottawa Robotics Competition
Compétition de robotique d'Ottawa d'IEEE

ORC 2021 Micro:Bit Rubric

Last Revised: February 2nd, 2021

Team Name:

Group Member(s) Name:

Categories	Score
<p>Code Features</p> <ul style="list-style-type: none"> • Must include at least 3 songs, with a different LED display for each song • Should play each song in order, and restart the first song after the last one • Must have at least two features using buttons (e.g. volume up/volume down, mute/unmute, reset to first song, next/previous) • Can the code be easily broken to produce undesired results? 	/10
<p>Code Quality</p> <ul style="list-style-type: none"> • Visual organization • No code reuse • Proper use of function/loops • Proper naming of variables/functions • Proper code comments 	/10
<p>Instruction Manual</p> <ul style="list-style-type: none"> • Is the instruction manual clear on what features are included, and on which inputs are linked to which features? • Does it seem like the simulator is behaving as the instruction manual says it does? 	/10
<p>Creativity and Originality</p> <ul style="list-style-type: none"> • Are the displays and music creative and innovative? • Does the program use more than the default music and LED shapes? • To what degree are the songs and displays fresh and different from others, instead of looking like the idea was copied from another source such as the tutorials? 	/10
<p>Degree of Difficulty</p> <ul style="list-style-type: none"> • Are the program, displays and music appropriate for the team's maturity and ability? • Is the program sufficiently complex? • Does it seem like the team put substantial thought and effort into designing the code? 	/10
<p>One page report</p> <ol style="list-style-type: none"> 1. Introduce team (1 point) <ol style="list-style-type: none"> a. Team name b. Team member names c. School if applicable 	

2. Micro:Bit <ul style="list-style-type: none"> a. Project Name (1 point) b. Project Features (2 points) c. Challenges while coding and how they fixed them (4 points) 3. Mini pitch <ul style="list-style-type: none"> a. What makes your project unique and deserve to win? (2 points) 	/10
Bonus <ul style="list-style-type: none"> • Implement more than 2 features • Project has a theme 	/5
Total	/60