

Name:

Student Number:

Date:

Lesson 13 Benchmark III: The Time Machine

Project Guide

Your Task:

Continue the story scenario you have been involved in Lesson 4 and Lesson 8 to 9. In this learning activity, you will program mBot the Time Machine to carry you. Think of what your Time Machine could do.

Here below is the evaluation form. Invite two classmates and your teacher to mark your work.

Indicator	A Perfect 10	5 points	0 points	Teacher's Score	Self Score	Total
Internal LEDs	mBot displayed a wide variety of internal LED colors, including custom RGB colors during the demonstration	mBot displays at least one color on its internal LEDs during the demonstration	mBot displays (gasp!) no colors on its internal LEDs during the demonstration			
LED Panel	mBot showed a variety of expressions on its LED panels, and those expressions also moved across the panel	mBot displayed at least one expression on its LED panel during the demonstration	mBot didn't have any expressions on its LED panel during the demonstration			
Sound	mBot displayed perfect pitch and rhythm during the demonstration	mBot tried its best to sing, but did very little singing and/or was a little (or a lot) off-beat or off-key	mBot didn't sing at all during the demonstration			
Loops & Conditionals	The programmers used a wide variety of loops, including nested loops, as well as appropriate conditional algorithm	The programmers used one of the looping and conditional algorithms, but no another	The programmers didn't use either loops or conditionals			
Coordination	The programmers perfectly coordinated the timing of the movements, LED lights, and sounds throughout the demonstration	The programmers coordinated some but not all of the movements, LED lights, and sounds	There was no coordination programmed between the movements, LED lights, or sounds			

Indicator	A Perfect 10	5 points	0 points	Guest 1 Score	Guest 2 Score	Total
Internal LEDs	mBot displayed a wide variety of internal LED colors, including custom RGB colors during the demonstration	mBot displays at least one color on its internal LEDs during the demonstration	mBot displays (gasp!) no colors on its internal LEDs during the demonstration			
LED Panel	mBot showed a variety of expressions on its LED panels, and those expressions also moved across the panel	mBot displayed at least one expression on its LED panel during the demonstration	mBot didn't have any expressions on its LED panel during the demonstration			
Sound	mBot displayed perfect pitch and rhythm during the demonstration	mBot tried its best to sing, but did very little singing and/or was a little (or a lot) off-beat or off-key	mBot didn't sing at all during the demonstration			
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Total Score:

Self-Comments: Reflect on your project and try to point out and highlight at least three points that featured in your Time Machine project. Write down your point and use evidence to support why you highlight this feature.

Is there anything you think you need to improve? Write down your opinions.