

SONY

Play. Code. Create



Trial Kit



Introduction to Designing Robots

LESSON	MISSION	CHALLENGE	CODE LEARNED	TIME	NOTES
Make a police car				Total: 28 min 33 sec	
		Introduction		33 sec	Explains IR Photo Reflector & Buzzer
		1 – Building	N/A	28 minutes	Mission Complete / Receive a badge: Make a Police Car
How to use the LED & the Buzzer				Total: 11 min 37 sec	
		Introduction		33 sec	
		1 – Coding	LED V2, Wait_Sec, Forever, LED on/off	10 min 39 sec	
		2 – Challenge	Quiz on Wait_Sec	15 sec	
		3 – Summary	LED on/off, Wait_Sec	10 sec	Mission Complete/4 Badges: Using LED, Using the Buzzer, Learn how to use "Wait_seconds", Learn how to use "Forever"
How to use the DC motor & the IR Photoreflexor	Combining buttons & the light sensor			Total: 13 min 9 sec	
		Introduction		1 min 3 sec	
		1 – Coding	DC motor, IR Photoreflexor	11 min	
		2 – Challenge	N/A	27 sec	
		3 – Summary	control block—if then, or else	28 sec	Mission Complete/Get 3 Badges: Using the DC Motor, Using the IR Photo Reflector, Learn how to use "if_then"
How to use functions in your code	Detecting distance & expressing sound			Total: 15 min 16 sec	
		Introduction		41 sec	
		1 – Coding	All coding learned to this point put together	14 min	
		2 – Summary	N/A	35 sec	Mission Complete/Get 4 Badges: Learn how to use "variables", Master connection settings, Master test mode, Introduction to designing robots
				TOTAL TIME: 1 hr 8 min 35 sec	