

8th standard			
S.No	Topic	Subtopic	Detail/Content
Physical programming course will be taught to 8th std students. This will be taught using Code.org's Physical Programming course.			
1	Programming	Text based programming	Students should be comfortable switching between block based and text based programming.
2	UI Elements	2.1) Button	Various input elements available in Code.org's Physical Programming course. Various output elements available in Code.org's Physical Programming course.
		2.2) Radio button	
		2.3) Text input	
		2.4) Dropdown	
		2.5) Check box	
		2.6) Slider	
		2.7) Image, Canvas, Screen	
3	Controller	3.1) Left and right button	Left and Right button(input from your Circuit Playground)
		3.2) Toggle switch	The toggle switch flips between two positions: open and close
4	Sensor	4.1) Soundsensor	Soundsensor allows you to get the current sound sensor reading,
		4.2) Lightsensor	Lightsensor allows you to get the current light sensor reading,
		4.3) Tempsensor	Tempsensor allows you to get the current Tempsensor reading,
		4.4) Accelerometer	Accelerometer, Which can detect the position and rotation of the circuit playground,
5	Actuator	5.1) Led	LED lights shows output through pulse and blink
		5.2) Buzzer sounds	Sound comes as an output
		5.3) Servo Motors	If time permits they will also understand how to operate motors.