	44PLTWMCRBT - micro:bit custom PLTW Kit, 10 student pack		
Image	**Part #**	**Item Description**	**Quantity**
	01MICROBIT	micro:bit	5
	045USB44	USB cable, 3' (micro USB to standard USB)	5
	2801AA2JST	Battery holder, 2 x AA capacity	5
	2801AA4PWR	Battery holder, 4 x AA capacity	6
	44PWEE2690	Stich/Seam Ripper	2
	2800AKUGAA	Batteries, AA, each	34
	05ALS1	Alligator Cables, 6 inch, 10 pack	7
	05ALS43	Alligator to Pin Lead Set, 15 pack	1
	26SMDBZ1	Piezo/Speaker (5 connected, can snap apart into individual units)	5
	29EXIS1123	Standard Servo, Micro 9gm HXT900	3
	29FS90R	Continuous Servo, 9g SG90	3
	32AFFLXSR	Flex sensor	5
	32ETEXT5607	E-Textile kit (contains, 5 x White diffused LEDs, 10 x Alligator Clips, 1 roll Conductive thread, 5 x Sewable Red LEDs, and 5 x Sewable White LEDs)	5
	32PLTWPK20	LEDs, 4 colors, 20 pack (5 x each BRGY)	1
	29ILFSR402	Pressure sensor	5

	Part Number	Description	Qty
	08VT83B	Photocell resistor	5
	18PMP10K	Potentiometer, 10k	3
	27CT	Conductive thread, 30 ft. spool	1
	29COPTAPE	Copper tape, 5mm width, 50 ft.	2
	060210	Screwdriver, reversible # 0	1
	1300547K	Carbon Film Resistors 47K Ohm, 1/4W*	100

NOTE: Each kit is designed to accomodate 10 students working in pairs. While this kit is durable and reusable, it can only be used by 1 group of students for the duration of this unit. It can be reused after this unit has been taught.

*These resistors are included in kits shipped on/after 11/27/2023. Available for optional separate purchase for those kits shipped prior to this date.