

Course	ICS4U-E		Royal St. George's College	
ICS4U-E	Kit Name:		AVR Optimization	
Year	Quantity	Line #	Part	Code/Note
2020	3	1	ABRA-48 Breadboard-3220 Tie Points	ABRA-48
2020	1	2	HOOK-UP WIRE SPOOL SET	22HW-25-KIT
2020	1	3	Arduino Nano Compatible v3 ATMEGA328P	ARD-NANO
2024	1	4	ABX00083, Arduino Nano ESP32 with Headers	ABX00083
2024	1	5	1LB Solder Roll .031" (0.8mm) diameter	S031
2020	1	6	ALU:74LS181	74LS181
2020	2	7	EEPROM:AT28C16	28C16A-15
2020	2	8	(Logic) NAND:74LS00	74LS00
2020	2	9	(Logic) NOT:74LS04 (Inverter for RAM)	74LS04
2020	2	10	(Logic) AND:74LS08 (Branch Control)	74LS08
2020	2	11	(Logic) OR: 74LS32 (Clock)	74LS32
2020	1	12	MUX/SEL: 74LS157	74LS157
2020	1	13	PC: 74LS161	74LS161
2020	1	14	ADDRESS: 74LS174	74LS174
2020	1	15	ACCUM: 74LS377	74LS377
2020	1	16	RAM: 74189	74189
2020	4	17	Clock: LM555	LM555
2020	6	18	Clock: Momentary Tactile Button (12mm)	PBS-190
2025	1	19	CD4018 Divide-By-N Counter	4018
2020	1	20	Clock: 0.1uF Capacitor	753-ADA
2020	4	21	Clock: 1uF Capacitor	1R50
2020	4	22	Clock: SPDT Slide Switch	SSW-120-BB
2020	20	23	LED 3mm: Red	LED-3R
2020	20	24	LED 3mm: Amber	LED-3A
2020	20	25	LED 3mm: Green	LED-3G