

Course:		TEJ3M	Royal St. George's College	
		Kit Name:	AVR Foundations	2026/2027
Year	#	Line #	Part	Note
2018	1	1	5V DC Adapter 2A	276-ADA (5V 2A)
2022	2	2	ABRA Nano	ABRANANO
2022	1	3	Sparkfun AVR Pocket Programmer	PGM-09825
2018	2	4	Jumper Wire Kit	144 pcs
2024	1	5	Breadboard	ABRA-12
2024	1	6	Solder Tube	50-3000
2018	2	7	DC Jack	PRT-10811
2016	4	8	Elec Cap: 1uF	1R50
2016	4	9	Elec Cap: 10uF	10R50
2018	4	10	Power Diode	1N400n
2020	4	11	LED 3mm: Red	LED-3R
2020	4	12	LED 3mm: Amber	LED-3A
2020	4	13	LED 3mm: Green	LED-3G
2016	1	14	5mm LED Pack	COM-12062
2018	1	15	NTC Thermistor (10k)	334-103
2016	1	16	TMP36	TO-92
2023	10	17	SPDT Slide Switch	SSW-120-BB
2016	2	18	Bicolor LED	LED-5RG-2
2019	4	19	RGBLED (CC) Diffused	LED-5RGB-4-CC-DIFF
2016	2	20	Common Cathode 7-Segment Disp.	FND500
2025	8	21	Disk Cap: 102	0.001uF
2016	8	22	Disk Cap: 103	0.01uF
2016	8	23	Disk Cap: 104	0.1uF
2021	2	24	10k Trim Pot	356-ADA
2021	2	25	100k Trim Pot	3386P-1-104SH
2022	2	26	1M Trim Pot	3386P-1-105SH
2018	6	27	IC Socket	8LP
2018	6	28	IC Socket	14LP
2020	6	29	IC Socket	16LP
2022	1	30	IC Puller	ICP-20
2018	1	31	2x3 Male Header Pins	SH-3
2018	1	32	16x2 LCD Blue (Assembled)	1447-ADA
2018	1	33	LD1117V33	LD1117
2016	4	34	LM7805	TO-220
2016	2	35	LM7809	TO-220
2016	1	36	LM317	TO-220
2022	4	37	LM358 (Op Amp)	LM358
2023	4	38	LM386 (Audio Op Amp)	LM386
2021	4	39	LM741 (Op Amp)	LM741
2022	4	40	CMOS IC (logic)	NOR(4001)
2026	1	41	TDK PS1240 (4kHz) Buzzer	160-ADA
2023	1	42	Speaker 8 Ohm 0.5W	1890-ADA
2016	2	43	NE555	NE555

2018	2	44	10mm Red LED (Diffused)	LED-10R
2018	2	45	10mm Red Yellow (Diffused)	LED-10Y
2018	2	46	10mm Red Green (Diffused)	LED-10G
2018	4	47	Breakaway Male Pins (RTAng)	SH-4
2020	4	48	Breakaway Male Pins (Straight)	SH-2
2016	2	49	LED Bargraph (Blue)	COM-09937
2020	10	50	Ser In/Par Out Shift Register	74HC595
2018	2	51	IC Socket	16LP
2020	1	52	Dual CC RED Alphanumeric Display	1907-ADA
2016	12	53	NPN BJT	2N3904
2016	8	54	PNP BJT	2N3906
2016	1	55	8x8 LED Matrix (Green)	861-ADA
2018	2	56	TPIC6C595	TPIC6C595
2018	2	57	1 row X 8 pins Straight Female Receptacle	1018-POLOLU
2018	2	58	16 MHz Crystal and 20pF caps	2215-ADA
2018	1	59	ATmega328P	DIP-28
2018	1	60	4-Digit 7-Segment Display (Blue)	COM-09481
2018	1	61	CR1220 Coin Battery	CR1220-2
2018	1	62	32.768 kHz Crystal	2211-ADA
2020	2	63	15 MOhm	R1/4-15M
2018	1	64	DS1307	DS1307+
2018	1	65	CR1220 Coin Cell Holder	BK-917-ND
2018	1	66	Electret Microphone	1713-ADA
2019	1	67	8x8 LED Matrix (Yellow)	860-ADA
2021	1	68	DPDT Toggle Switch	SW203
2016	1	69	DC Hobby Motor	ROB-11696
2024	1	70	Standard Servo with Feedback	FS5103B-FB
2017	1	71	Stepper with ULN2003 Driver	MOT-28BYJ48
2016	1	72	SN754410	SN754410NE
2018	1	73	L293D	L293D
2016	1	74	IRF520	TO-220
2019	1	75	nRF24L01	WL-200
2026	1	76	PC817	PC817
2020	4	77	33pF Disk Capacitor	CD330
2020	4	78	200k Fixed Resistor	R1/4-200K-1