

Kit Name:	AVR Foundations	Royal St. George's College	
Single Kit		Parts List	
Quantity	Line #	Part	Note
1	1	9V Battery	30-455
2	2	9V Battery Clip (Best Quality)	2.1mm
1	3	5V DC Adapter 2A	276-ADA (5V 2A)
1	4	Arduino UNO Rev3	A000066
1	5	Arduino Cable	CAB-650
1	6	PermaProto Half size	1609-ADA
2	7	Jumper Wire Kit	144 pcs
4	8	SPDT Slide Switch	SSW-120-BB
4	9	DC Jack	PRT-10811
2	10	Bicolor LED	LED-5RG-2
10	11	RGBLED (CC) Diffused	LED-5RGB-4-CC-DIFF
1	12	5mm LED Pack	COM-12062
2	13	Common Cathode 7-Segment Disp.	FND500
8	14	Disk Cap: 103	0.01uF
8	15	Disk Cap: 104	0.1uF
8	16	Disk Cap	
8	17	Disk Cap	
2	18	10k Trim Pot	356-ADA
1	19	100k Trim Pot	3386P-1-104SH
6	20	IC Socket	8LP
6	21	IC Socket	14LP
6	22	IC Socket	16LP
1	23	2x3 Male Header Pins	SH-3
1	24	16x2 LCD Blue (Assembled)	1447-ADA
1	25	AVR Pocket Programmer	PGM-09825
1	26	LD1117V33	LD1117
4	27	LM7805	TO-220
2	28	LM7809	TO-220
1	29	LM317	TO-220
2	30	ATtiny85	ATtiny85-20PU
2	31	LM741 (Op Amp)	LM741
2	32	LM358 (Op Amp)	LM358
1	33	Long Nose Pliers	LN5
1	34	Side Cutters	HT-109P
1	35	Precision Screwdrivers	PREC-1
1	36	Wire Stripper	147-ADA
1	37	IC Puller	ICP-20
2	38	10mm Red LED (Diffused)	LED-10R
2	39	10mm Red Yellow (Diffused)	LED-10Y
2	40	10mm Red Green (Diffused)	LED-10G
4	41	Breakaway Male Pins (RTAng)	SH-4
4	42	Breakaway Male Pins (Straight)	SH-2
3	43	LED Bargraph (Blue)	COM-09937
10	44	Shift Register	74HC595
10	45	IC Socket	16LP
1	46	Dual CC Alphanumeric Display	2156-ADA
8	47	NPN BJT	2N3904

8	48	PNP BJT	2N3906
1	49	8x8 LED Matrix (Green) (No Substitute)	861-ADA
2	50	TPIC6C595	TPIC6C595
10	51	1 row X 8 pins Straight Female Receptacle	1018-POLOLU
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	57	(Same display and Morland)	
2	58	16 MHz Crystal and 20pF caps	2215-ADA
1	59	ATmega328P	DIP-28
1	60	(Kinked) IC Socket	3M5480-ND
3	61	Transistor Positive Voltage Regulator 1A 5V	7805T
4	62	Elec Cap: 1uF	1R50
4	63	Elec Cap: 10uF	10R50
4	64	Power Diode	1N400n
4	65	LED 3mm: Red	LED-3R
4	66	LED 3mm: Amber	LED-3A
4	67	LED 3mm: Green	LED-3G
1	68	NTC Thermistor (10k)	334-103
1	69	TMP36	TO-92
4	70	SPDT Slide Switch	SSW-120-BB
2	71	4-Digit 7-Segment Display (Blue)	COM-09481
1	72	CR1220 Coin Battery	CR1220-2
1	73	32.768 kHz Crystal	2211-ADA
2	74	15 MOhm	R1/4-15M
1	75	DS1307	DS1307+
1	76	CR1220 Coin Cell Holder	BK-917-ND
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1	79	Electret Microphone	1713-ADA
1	80	8x8 LED Matrix (Yellow)	860-ADA
1	81	MSGEQ7	MSGEQ7
2	82	ATTiny84	ATTiny84-20PU
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1	86	DPDT Toggle Swith	SW203
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1	88	DC Hobby Motor	ROB-11696
1	89	Standard Servo	FS5103B
1	89	Continuous Servo	FS5103R
1	90	Stepper with ULN2003 Driver	MOT-28BYJ48
1	91	SN754410	SN754410NE
1	92	L293D	L293D
1	93	IRF520	TO-220
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1	97	IR RxTx Set (5mm)	IR-SET-5MM
1	98	nRF24L01	WL-200
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	100		
4	101	33pF Disk Capacitor	CD330
4	102	200k Fixed Resistor	R1/4-200K-1
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	104		
	105		
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