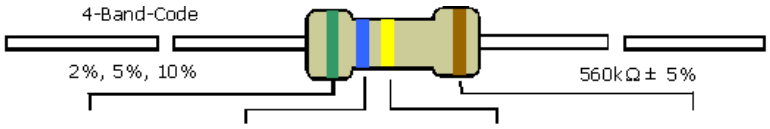
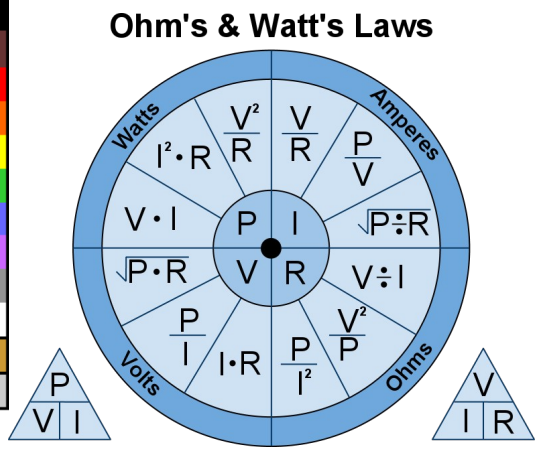
LED and resistor cheat sheet

Wavelength (nm)	Color	Voltage	Resistor 3.3v	Resistor 5v
940	Infrared	1.5	100	180
880	Infrared	1.7	82	
850	Infrared			
660	Ultra Red	1.8		
635	High Eff. Red	2	68	
633	Super Red	2.2		150
620	Super Orange			
612	Super Orange		56	
605	Orange	2.1		
595	Super Yellow	2.2		
592	Super Pure Yellow	2.1		
585	Yellow			
4500K	Incandescent White	3.6	none	82
6500K	Pale White			
8000K	Cool White			
574	Super Lime Yellow	2.4	47	150
570	Super Lime Green	2		
565	High Eff. Green	2.1	68	
560	Super Pure Green			
555	Pure Green			
525	Aqua Green	3.5	none	82
505	Blue Green			
470	Super Blue	3.6		
430	Ultra Blue	3.8	none	68



COLOR	1st BAND	2nd BAND	3rd BAND	MULTIPLIER	TOLERANCE	
Black	0	0	0	1Ω		
Brown	1	1	1	10Ω	± 1%	(F)
Red	2	2	2	100Ω	± 2%	(G)
Orange	3	3	3	1KΩ		
Yellow	4	4	4	10KΩ		
Green	5	5	5	100KΩ	±0.5%	(D)
Blue	6	6	6	1MΩ	±0.25%	(C)
Violet	7	7	7	10MΩ	±0.10%	(B)
Grey	8	8	8		±0.05%	
White	9	9	9			
Gold				0.1	± 5%	(J)
Silver				0.01	± 10%	(K)