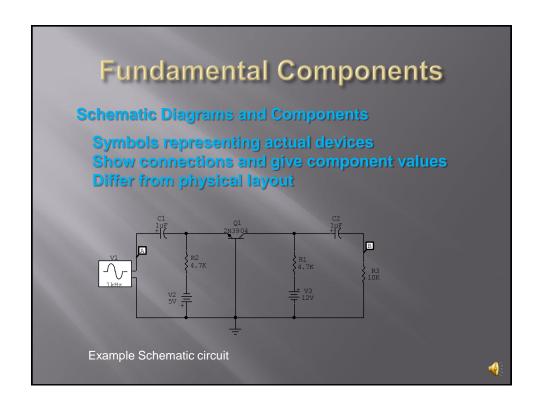
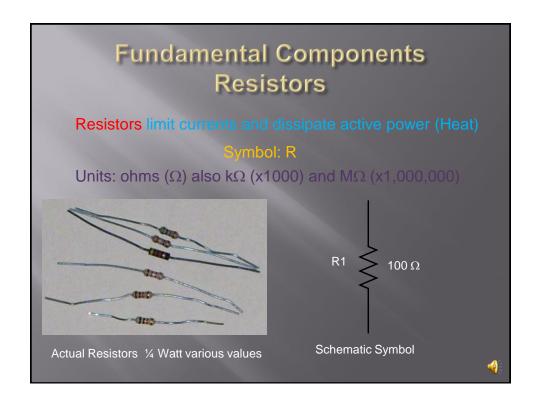


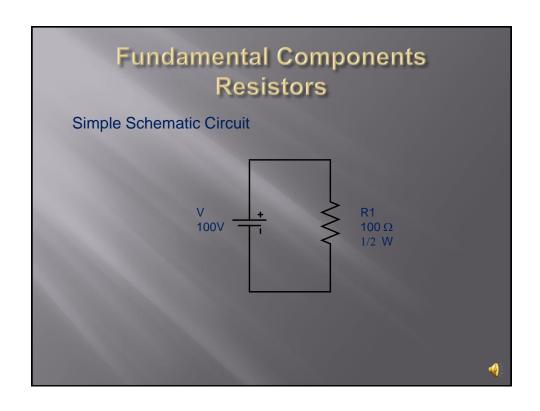
## Components and Symbols Learning Objectives

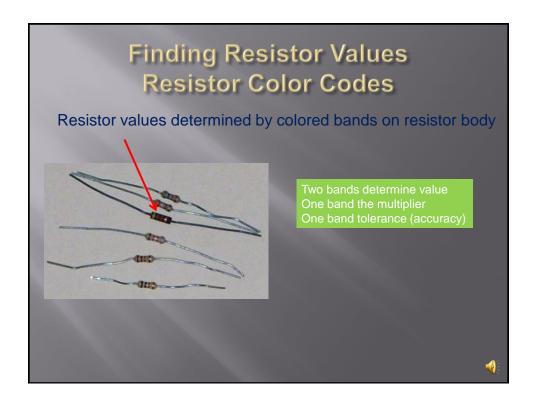
- In this lesson you will:
- learn how schematic diagrams represent electric circuits
- study the different types components found in electric/electronic circuits.
- see the actual components and their schematic symbols
- learn how to read component values from color codes

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	P	esistar	Color Code
Color	s Digit	Multiplier	Add This Number of Zeros
Black	0	1	0
Brown	ո 1	10	1 (0)
Red	2	100	2 (00)
Orang	ge 3	1,000	3 (000)
Yellov	v 4	10,000	4 (0,000)
Green	ո 5	100,000	5 (00,000)
Blue	6	1,000,000	6 (000,000)
Violet	7	10,000,000	7 (0,000,000)
Gray	8	100,000,000	8 (00,000,000)
White	9	1,000,000,000	9 (000,000,000)
Gold		0.1	5% Tolerance
Silver		0.01	10% Tolerance
	1	1000	

