

Unit 9: Electric Circuits

Think Sheets

Electric Potential Difference (2 pages)
Electric Current (2 pages)
Light Bulb Anatomy (2 pages)
What Affects Current? (2 pages)
 ΔV -I-R Relationship (2 pages)
Series vs. Parallel Circuits (1 page)
Series Circuits – Concepts (2 pages)
Series Circuits – Mathematics (2 pages)
Parallel Circuits – Concepts (3 pages)
Parallel Circuits – Mathematics (2 pages)

(Each Think Sheet has a corresponding answer key)

Student Lab Sheets

Sparky The Electrician
Understanding Charge Flow in Wires
Bulb and Socket Analysis
Resistance
The Greatest Resistance Bulb
Series vs. Parallel Circuits Activity

(Each Student Lab Sheet has a corresponding Teachers Guide with answers)

BONUS:

Slide Deck
CircuitBuilderParallel.docx (Simulation Activity)
CircuitBuilderSeries.docx (Simulation Activity)
CrackingTheCode.docx (Simulation Activity)
KEYCircuitBuilderParallel.docx (Answer Key)
KEYCircuitBuilderSeries.docx (Answer Key)
KEYCrackingTheCode.docx (Answer Key)
OhmsJokes (Folder with Bad Dad Jokes)