



Lesson Plans

KEY

SE = Student Edition, TWE = Teacher Wraparound Edition, TCR = Teacher Classroom Resources, STVS = Science and Technology Videodisc Series, PCA = Physics for the Computer Age

Simple Circuits

Section Objectives

- _____ Describe both a series connection and a parallel connection and **state** the important characteristics of each.
- _____ **Calculate** current, voltage drops, and equivalent resistance for devices connected in series and in parallel.
- _____ **Describe** a voltage divider and **solve** problems involving one.

National Science Content Standards UCP.1, UCP.2, UCP.3, UCP.5, A.1, A.2, E.2, G.3
Georgia QCC 1, 1.2, 1.3, 1.4, 17, 17.1, 17.2, 17.6, 24.3, 24.4
Schedule
 Block schedule: 1 1/2 sessions
 Single-period schedule: 3 sessions

Focus

- _____ Activity, TWE p. 532

Teach

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| <ul style="list-style-type: none"> Pocket Labs, SE pp. 534, 539 _____ Using a Calculator, SE p. 535 Quick Demos, TWE pp. 531, 536 _____ Physics Journal, TWE pp. 533, 537 _____ Tech Prep, TWE p. 534 Demonstration 23-1, TWE pp. 538–539 | <ul style="list-style-type: none"> _____ Connections to Biology, TWE p. 540 Transparencies 39, 40 Masters and Worksheets, pp. 83–85, 87–88, TCR Physics Lab and Pocket Lab Worksheets, pp. 125–126, TCR Laboratory Manual, Labs 23.1, 23.2, TCR _____ Spanish Resources, TCR |
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Assess/Reteach

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| <ul style="list-style-type: none"> Section Review, SE p. 541 _____ Checking for Understanding, TWE p. 541 Reteaching, TWE p. 541 | <ul style="list-style-type: none"> Study Guide, pp. 133–136, TCR _____ Supplemental Problems, TCR |
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Enrichment/Application

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| <ul style="list-style-type: none"> _____ Cultural Diversity, TWE p. 537 Extension, TWE p. 541 | <ul style="list-style-type: none"> _____ Enrichment, pp. 45–46, TCR |
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Close

- Activity, TWE p. 541

Chapter Assessment

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| <ul style="list-style-type: none"> _____ Assessment, TWE p. 540 _____ Alternate Assessment in the Science Classroom | <ul style="list-style-type: none"> _____ Performance Assessment in the Science Classroom |
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Multimedia Options

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| <ul style="list-style-type: none"> CD-ROM: Electricity, PCA Videotape: MindJogger Videoquizzes Videotape: The Mechanical Universe, Quad 5 | <ul style="list-style-type: none"> Videodisc: STVS Chemistry, Disc 2, Side 2, Ch. 8 _____ TestCheck Software |
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