



# 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

## Applications of Circuits

### Section Objectives

- \_\_\_\_\_ Explain how fuses, circuit breakers, and ground-fault interrupters protect household wiring.
- \_\_\_\_\_ State the important characteristics of voltmeters and ammeters, and explain how each is used in circuits.

**National Science Content Standards** UCP.1, UCP.2, UCP.3, UCP.5, A.1, A.2, E.2  
**Georgia QCC** 1, 1.1, 1.2, 1.3, 1.4, 17, 17.1, 17.2, 17.6, 20.1, 24, 24.1, 24.2, 24.3, 24.4, 24.5, 24.6, 24.7, 24.9, 24.10

### Schedule

Block schedule: 2 1/2 sessions  
 Single-period schedule: 4 sessions

### Focus

- \_\_\_\_\_ Guest Speaker, TWE p. 542

### Teach

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| <ul style="list-style-type: none"> <li>_____ Help Wanted, SE p. 543</li> <li>_____ Economics Connection, SE p. 544</li> <li> _____ Design Your Own Physics Lab, SE p. 545</li> <li> _____ Pocket Lab, SE p. 547</li> <li>_____ How It Works, SE p. 549</li> <li>_____ Applying Physics, TWE pp. 543, 546</li> <li>_____ Tech Prep, TWE p. 543</li> <li> _____ Quick Demo, TWE p. 544</li> </ul> | <ul style="list-style-type: none"> <li>_____ Physics Journal, TWE p. 544</li> <li> _____ Demonstration 23-2, TWE pp. 546–547</li> <li> _____ Transparency 41 Master and Worksheet, pp. 89–91, TCR</li> <li> _____ Physics Lab and Pocket Lab Worksheets, pp. 123–124, 127, TCR</li> <li>_____ Physics Skills, Skill 19, pp. 39–40, TCR</li> <li>_____ Spanish Resources, TCR</li> </ul> |
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### Assess/Reteach

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| <ul style="list-style-type: none"> <li> _____ Section Review, SE p. 548</li> <li>_____ Checking for Understanding, TWE p. 548</li> <li> _____ Reteaching, TWE p. 548</li> <li> _____ Study Guide, pp. 137–138, TCR</li> </ul> | <ul style="list-style-type: none"> <li> _____ Reteaching, p. 29, TCR</li> <li>_____ Supplemental Problems, TCR</li> <li> _____ Reviewing Physics: Mastering the Georgia QCC, TCR</li> </ul> |
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### Enrichment/Application

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| <ul style="list-style-type: none"> <li>_____ Enrichment, TWE p. 543</li> <li> _____ Extension, TWE p. 548</li> </ul> | <ul style="list-style-type: none"> <li>_____ Critical Thinking, p. 30, TCR</li> <li> _____ Tech Prep Applications, pp. 35–38, TCR</li> </ul> |
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### Close

- \_\_\_\_\_ Activity, TWE p. 548

### Chapter Assessment

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| <ul style="list-style-type: none"> <li> _____ Chapter Review, SE pp. 550–553</li> <li>_____ Assessment, TWE p. 543</li> <li> _____ Chapter Assessment, pp. 107–110, TCR</li> </ul> | <ul style="list-style-type: none"> <li>_____ Alternate Assessment in the Science Classroom</li> <li>_____ Performance Assessment in the Science Classroom</li> </ul> |
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### Multimedia Options

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| <ul style="list-style-type: none"> <li> _____ Videotape: MindJogger Videoquizzes</li> <li> _____ Videodisc: STVS Physics, Disc 1, Side 1, Ch. 20; Disc 1, Side 2, Ch. 15</li> </ul> | <ul style="list-style-type: none"> <li>_____ TestCheck Software</li> </ul> |
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