

Section 3 ■ Electric Circuits



Schedule

Block Schedule: 2.5 sessions (■ denotes activities recommended for block schedule.)
Single Periods: 5 sessions

Objectives

- 8. **Explain** how voltage, current, and resistance are related in an electric circuit.
- 9. **Investigate** the difference between series and parallel circuits.
- 10. **Determine** the electrical power used in a circuit.
- 11. **Describe** how to avoid dangerous electric shock.



QCC Standards

1, 2, 3.4, 4, 8.1, 8.3, 9.1,
9.5, 20.2, 20.4, 20.6, 20.7,
20.9, 20.10

Motivate

- Section Focus Transparency 3, **TCR** (Transparency Master and Study Guide, p. 46, **CRB**)

Teach

- _____ Math Skills Activity, pp. 453, 456
- _____ MiniLAB: Identifying Simple Circuits, p. 454 (MiniLAB Worksheet, p. 4, **CRB**)
- _____ Science Online, p. 457
- _____ Life Science Integration, p. 458
- Activity: Current in a Parallel Circuit, p. 459 (Activity Worksheet, pp. 5–6, **CRB**)
- Activity: A Model for Voltage and Current, pp. 460–461 (Activity Worksheet, pp. 7–8, **CRB**)
- _____ Science and Society, pp. 462–463
- _____ Content Outline for Teaching, Section 3 (Note-taking Worksheet, pp. 33–35, **CRB**)
- _____ Home and Community Involvement, p. 35, **TCR**
- _____ Spanish Resources, Section 3, **CRB**

Assess

- Section Assessment, p. 458
- _____ Skill Builder Activities, p. 458
- _____ Performance Assessment in the Science Classroom, pp. 89, 97, 127, **TCR**

Reteach/Reinforce

- Directed Reading for Content Mastery, pp. 21, 22, **CRB**
- _____ Spanish Directed Reading for Content Mastery, pp. 25, 26, **CRB**
- Reinforcement, p. 29, **CRB**
- _____ Mathematics Skill Activities, p. 11, **TCR**

Enrich/Apply

- _____ Enrichment, p. 32, **CRB**
- _____ Physical Science Critical Thinking/Problem-Solving, p. 8, **TCR**

Chapter Assessment

- Chapter Study Guide, pp. 464–465
- Chapter Review, pp. 37–38, **CRB**
- Chapter Assessment, pp. 466–467
- Chapter Test, pp. 39–42, **CRB**
- Assessment Transparency, **TCR**, (Transparency Master and Study Guide, p. 47, **CRB**)
- _____ Standardized Test Practice by The Princeton Review, pp. 63–66, **TCR**

Multimedia Options

- _____ Vocabulary Puzzlemaker Software, Ch. 15
- _____ Guided Reading Audio Program (English & Spanish), Ch. 15
- _____ MindJogger Videoquiz, Ch. 15
- _____ ExamView Pro Test Bank Software, Ch. 15
- _____ Interactive CD-ROM, Exploration and Quiz, Ch. 15
- _____ Science Web site: science.glencoe.com