

Section 2 ■ Electricity and Magnetism

**Schedule**

Block Schedule: 2 sessions (■ denotes activities recommended for block schedule.)

Single Periods: 4 sessions

Objectives

4. Describe the relationship between electricity and magnetism.
5. Explain how electricity can produce motion.
6. Explain how motion can produce electricity.

 **QCC Standards**

1, 2, 4, 8.2, 9.3, 20.5, 21.2, 21.3, 21.4,
21.5, 21.6, 21.7, 21.8, 21.9

Motivate

- Section Focus Transparency 2, **TCR** (Transparency Master and Study Guide, p. 39, **CRB**)

Teach

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|---|--|
| _____ Visual Learning, pp. 478, 479, 480, TWE | _____ Science Inquiry Lab, pp. 9, 55, TCR |
| _____ MiniLAB: Assembling an Electromagnet, p. 478
(MiniLAB Worksheet, p. 4, CRB) | ■ Teaching Transparency, TCR (Transparency
Master and Study Guide, pp. 41–42, CRB) |
| _____ Science Online, p. 483 | _____ Laboratory Activity 2, pp. 11–12, CRB |
| ■ Activity: How does an electric motor work?,
pp. 488–489 (Activity Worksheet, pp. 7–8, CRB) | _____ Home and Community Involvement, p. 49, TCR |
| _____ Content Outline for Teaching, Section 2
(Note-taking Worksheet, pp. 27–28, CRB) | _____ Spanish Resources, Section 2, CRB |

Assess

- Section Assessment, p. 487
- _____ Skill Builder Activities, p. 487
- _____ Performance Assessment in the Science Classroom, pp. 89, 109, 117, **TCR**

Reteach/Reinforce

- Directed Reading for Content Mastery, pp. 17, 18, **CRB**
- _____ Spanish Directed Reading for Content Mastery, pp. 21, 22, **CRB**
- Reinforcement, p. 24, **CRB**
- _____ Mathematics Skill Activities, p. 1, **TCR**

Enrich/Apply

- _____ Enrichment, p. 26, **CRB**
- _____ Physical Science Critical Thinking/Problem-Solving, p. 20, **TCR**

Chapter Assessment

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| ■ Chapter Study Guide, pp. 490–491 | ■ Assessment Transparency, TCR , (Transparency
Master and Study Guide, p. 43, CRB) |
| ■ Chapter Review, pp. 31–32, CRB | _____ Standardized Test Practice by The Princeton
Review, pp. 67–70, TCR |
| ■ Chapter Assessment, pp. 492–493 | |
| ■ Chapter Test, pp. 33–36, CRB | |

Multimedia Options

- _____ Vocabulary Puzzlemaker Software, Ch. 16
- _____ Guided Reading Audio Program (English & Spanish), Ch. 16
- _____ MindJogger Videoquiz, Ch. 16
- _____ ExamView Pro Test Bank Software, Ch. 16
- _____ Interactive CD-ROM, Exploration and Quiz, Ch. 16
- _____ Science Web site: science.glencoe.com