

# CHAPTER 13

## Lesson Plans

# Section 1 ■ The Nature of Electromagnetic Waves



### Schedule

Block Schedule: 1.5 sessions (■ denotes activities recommended for block schedule.)

Single Periods: 3 sessions

### Objectives

1. **Explain** how electromagnetic waves are produced.
2. **Describe** the properties of electromagnetic waves.

### QCC Standards

1, 3.4, 4, 8.2, 9.3, 9.5, 15, 15.1, 16, 21.1, 21.2

### Motivate

- \_\_\_\_\_ Explore Activity, p. 373
- \_\_\_\_\_ Before You Read, p. 373 (Foldables, p. 15, **CRB**)
- \_\_\_\_\_ Section Focus Transparency 1, **TCR** (Transparency Master and Study Guide, p. 42, **CRB**)

### Teach

- \_\_\_\_\_ Content Background, pp. 372E–372F, **TWE**
- \_\_\_\_\_ Science Online, p. 375
- \_\_\_\_\_ Quick Demo, p. 375 **TWE**
- \_\_\_\_\_ Science Journal, p. 375, **TWE**
- \_\_\_\_\_ Lab Demonstration, p. 376, **TWE**
- \_\_\_\_\_ Identifying Misconceptions, pp. 376, 378, **TWE**
- \_\_\_\_\_ Make a Model, p. 376, **TWE**
- \_\_\_\_\_ Visual Learning, p. 377, **TWE**
- \_\_\_\_\_ Inclusion Strategies, p. 377, **TWE**
- \_\_\_\_\_ MiniLAB: Observing Electric Fields, p. 377 (MiniLAB Worksheet, p. 3, **CRB**)
- \_\_\_\_\_ Content Outline for Teaching, Section 1 (Note-taking Worksheet, pp. 31–33, **CRB**)
- \_\_\_\_\_ Science Inquiry Lab, p. 21, **TCR**
- \_\_\_\_\_ Spanish Resources, Section 1, **CRB**

### Assess

- \_\_\_\_\_ Section Assessment, p. 378
- \_\_\_\_\_ Skill Builder Activities, p. 378
- \_\_\_\_\_ Performance Assessment in the Science Classroom, pp. 89, 159, **TCR**

### Reteach/Reinforce

- \_\_\_\_\_ Directed Reading for Content Mastery, pp. 17, 18, **CRB**
- \_\_\_\_\_ Spanish Directed Reading for Content Mastery, pp. 21, 22, **CRB**
- \_\_\_\_\_ Reinforcement, p. 25, **CRB**

### Enrich/Apply

- \_\_\_\_\_ Enrichment, p. 28, **CRB**
- \_\_\_\_\_ Cultural Diversity, p. 61, **TCR**

### Multimedia Options

- \_\_\_\_\_ Vocabulary Puzzlemaker Software, Ch. 13
- \_\_\_\_\_ Guided Reading Audio Program (English & Spanish), Ch. 13
- \_\_\_\_\_ Interactive CD-ROM, Presentation Builder, Ch. 13
- \_\_\_\_\_ Using the Internet in the Science Classroom, **TCR**
- \_\_\_\_\_ Science Web site: [science.glencoe.com](http://science.glencoe.com)