

CHAPTER
22

Lesson Plans

Section 1 ■ The Nature of Electromagnetic Waves

Schedule

Block Schedule: 1 session (■ denotes activities recommended for block schedule.)

Single Periods: 2 sessions

Objectives

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

National Standards

UCP2, A1, B3

Motivate

- _____ Explore Activity, p. 633
- _____ Before You Read, p. 633 (Foldables, p. 15, **CRB**)
- _____ Section Focus Transparency 1, **TCR** (Transparency Master and Study Guide, p. 42, **CRB**)

Teach

- _____ Content Background, pp. 632E–632F, **TWE**
- _____ Science Online, p. 635
- _____ Quick Demo, p. 635, **TWE**
- _____ Science Journal, p. 635, **TWE**
- _____ Lab Demonstration, p. 636, **TWE**
- _____ Identifying Misconceptions, pp. 636, 638, **TWE**
- _____ Make a Model, p. 636, **TWE**
- _____ Visual Learning, p. 637, **TWE**
- _____ Inclusion Strategies, p. 637, **TWE**
- _____ MiniLAB: Observing Electric Fields, p. 637 (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. 638
- _____ Skill Builder Activities, p. 638
- _____ 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. 22
- _____ Guided Reading Audio Program (English & Spanish), Ch. 22
- _____ Using the Internet in the Science Classroom, **TCR**
- _____ Science Web site: science.glencoe.com