

Section 2 ■ The Electromagnetic Spectrum



Schedule

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

Single Periods: 3 sessions

Objectives

3. **Explain** differences among kinds of electromagnetic waves.
4. **Identify** uses for different kinds of electromagnetic waves.

QCC Standards

1, 2, 4, 13.1, 14, 14.3, 15, 15.2, 16.1, 16.2, 17.1, 18, 19.2

Motivate

- Section Focus Transparency 2, **TCR** (Transparency Master and Study Guide, p. 43, **CRB**)

Teach

- Visual Learning, pp. 380, 385, 386, **TWE**
- Use Science Words, pp. 380, 383, **TWE**
- Science Journal, pp. 380, 383, **TWE**
- Extension, pp. 380, 381, 383, 385, 386, **TWE**
- MiniLAB: Observing the Focusing of Infrared Rays, p. 381 (MiniLAB Worksheet, p. 4, **CRB**)
- Activity, pp. 382, 386, **TWE**
- Inclusion Strategies, p. 382, **TWE**
- Identifying Misconceptions, pp. 382, 385, **TWE**
- Curriculum Connection, p. 384, **TWE**
- Use an Analogy, p. 384, **TWE**
- Life Science Integration, p. 384
- Activity: Prisms of Light, p. 388 (Activity Worksheet, pp. 5–6, **CRB**)
- Content Outline for Teaching, Section 2 (Note-taking Worksheet, pp. 31–33, **CRB**)
- Laboratory Activity 1, pp. 9–11, **CRB**
- Spanish Resources, Section 2, **CRB**

Assess

- Section Assessment, p. 387
- Skill Builder Activities, p. 387
- Performance Assessment in the Science Classroom, pp. 97, 127, 169, **TCR**

Reteach/Reinforce

- Directed Reading for Content Mastery, p. 18, **CRB**
- Spanish Directed Reading for Content Mastery, p. 22, **CRB**
- Reinforcement, p. 26, **CRB**
- Reading and Writing Skill Activities, p. 25, **TCR**

Enrich/Apply

- Enrichment, p. 29, **CRB**
- Earth Science Critical Thinking/Problem-Solving, pp. 8, 13, **TCR**

Multimedia Options

- Vocabulary Puzzlemaker Software, Ch. 13
- Guided Reading Audio Program (English & Spanish), Ch. 13
- Interactive CD-ROM, Exploration, Ch. 13
- Using the Internet in the Science Classroom, **TCR**
- Science Web site: science.glencoe.com