

CHAPTER
14

**Lesson
Plans**

Section 4 ■ Using Mirrors and Lenses



Schedule

Block Schedule: 3 sessions (■ denotes activities recommended for block schedule.)
Single Periods: 6 sessions

Objectives

- 9. **Explain** how microscopes magnify objects.
- 10. **Explain** how telescopes make distant objects visible.
- 11. **Describe** how a camera works.



QCC Standards

1, 2, 3.2, 3.4, 4, 19, 19.2, 19.3, 19.4, 19.5

Motivate

- Section Focus Transparency 4, **TCR** (Transparency Master and Study Guide, p. 51, **CRB**)

Teach

- _____ Visual Learning, pp. 422, 423, **TWE**
- _____ MiniLAB: Forming an Image with a Lens, p. 422 (MiniLAB Worksheet, p. 4, **CRB**)
- _____ Discussion, p. 423, **TWE**
- _____ Science Journal, p. 423, **TWE**
- _____ Make a Model, p. 423, **TWE**
- _____ Science Online, p. 424
- _____ Problem-Solving Activity, p. 424
- _____ Quick Demo, p. 425, **TWE**
- _____ Inclusion Strategies, p. 426, **TWE**
- Activity: Image Formation by a Convex Lens, pp. 426–427 (Activity Worksheet, pp. 7–8, **CRB**)
- _____ Oops! Accidents in Science, pp. 428–429
- _____ Content Outline for Teaching, Section 4 (Note-taking Worksheet, pp. 35–38, **CRB**)
- _____ Spanish Resources, Section 4, **CRB**

Assess

- Section Assessment, p. 425
- _____ Skill Builder Activities, p. 425
- _____ Performance Assessment in the Science Classroom, pp. 89, 103, 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. 30, **CRB**

Enrich/Apply

- _____ Enrichment, p. 34, **CRB**
- _____ Cultural Diversity, pp. 51, 57, **TCR**

Chapter Assessment

- Chapter Study Guide, pp. 430–431
- Chapter Review, pp. 41–42, **CRB**
- Chapter Assessment, pp. 432–433
- Chapter Test, pp. 43–46, **CRB**
- Assessment Transparency, **TCR**, (Transparency Master and Study Guide, p. 55, **CRB**)
- _____ Standardized Test Practice by The Princeton Review, pp. 59–62, **TCR**

Multimedia Options

- _____ Vocabulary Puzzlemaker Software, Ch. 14
- _____ Guided Reading Audio Program (English & Spanish), Ch. 14
- _____ MindJogger Videoquiz, Ch. 14
- _____ ExamView Pro Test Bank Software, Ch. 14
- _____ Interactive CD-ROM, Quiz, Ch. 14
- _____ Using the Internet in the Science Classroom, **TCR**
- _____ Science Web site: science.glencoe.com

TWE = Teacher Wraparound Edition,
CRB = Chapter Resources Booklet, TCR = Teacher Classroom Resources