

Section 1 ■ Properties of Light



Schedule

Block Schedule: 2 sessions (■ denotes activities recommended for block schedule.)
Single Periods: 4 sessions

Objectives

1. Describe the wave nature of light.
2. Explain how light interacts with materials.
3. Determine why objects appear to have color.

QCC Standards

1, 15, 15.4, 16, 17.1, 18, 18.1, 18.2, 18.3

Motivate

- _____ Explore Activity, p. 403
- _____ Before You Read, p. 403 (Foldables, p. 17, **CRB**)
- _____ Section Focus Transparency 1, **TCR** (Transparency Master and Study Guide, p. 48, **CRB**)

Teach

- _____ Content Background, pp. 402E–402F, **TWE**
- _____ Identifying Misconceptions, p. 405, **TWE**
- _____ Teacher FYI, p. 405, **TWE**
- _____ MiniLAB: Observing Colors in the Dark, p. 405 (MiniLAB Worksheet, p. 3, **CRB**)
- _____ Use Science Words, p. 406, **TWE**
- _____ Make a Model, p. 406, **TWE**
- _____ Curriculum Connection, p. 406, **TWE**
- _____ Extension, pp. 406, 407, **TWE**
- _____ Visual Learning, p. 407, **TWE**
- _____ Quick Demo, p. 407, **TWE**
- _____ Content Outline for Teaching, Section 1 (Note-taking Worksheet, pp. 35–38, **CRB**)
- _____ Laboratory Activity 1, pp. 9–12, **CRB**
- _____ Laboratory Activity 2, pp. 13–16, **CRB**
- _____ Spanish Resources, Section 1, **CRB**

Assess

- _____ Section Assessment, p. 408
- _____ Skill Builder Activities, p. 408
- _____ Performance Assessment in the Science Classroom, pp. 89, 95, 127, **TCR**

Reteach/Reinforce

- _____ Directed Reading for Content Mastery, pp. 19, 20, **CRB**
- _____ Spanish Directed Reading for Content Mastery, pp. 23, 24, **CRB**
- _____ Reinforcement, p. 27, **CRB**

Enrich/Apply

- _____ Enrichment, p. 31, **CRB**
- _____ Life Science Critical Thinking/Problem-Solving, p. 8, **TCR**

Multimedia Options

- _____ Vocabulary Puzzlemaker Software, Ch. 14
- _____ Guided Reading Audio Program (English & Spanish), Ch. 14
- _____ Interactive CD-ROM, Presentation Builder, Ch. 14
- _____ Using the Internet in the Science Classroom, **TCR**
- _____ Science Web site: science.glencoe.com