



17.1

Lesson Plans



KEY

SE = Student Edition, TWE = Teacher Wraparound Edition, TCR = Teacher Classroom Resources, STVS = Science and Technology Videodisc Series, PCA = Physics for the Computer Age

How Light Behaves at a Boundary

Section Objectives

- _____ Explain the law of reflection.
- _____ **Distinguish** between diffuse and regular reflection and **provide** examples.
- _____ **Calculate** the index of refraction in a medium.

National Science Content Standards UCP.2, UCP.3, A.1, A.2, G.3

Georgia QCC 1, 1.1, 1.2, 1.3, 1.4, 9.1, 12.2, 12.4, 14.7, 24.1, 24.2, 24.3, 24.4

Schedule

Block schedule: 2 sessions
Single-period schedule: 3 sessions

Focus

- Activity, TWE p. 395

Teach

- Pocket Labs, SE pp. 394, 400
- Physics Lab, SE p. 399
- _____ Help Wanted, SE p. 402
- Quick Demos, TWE pp. 393, 398
- _____ Physics Journal, TWE pp. 395, 401
- Demonstration 17-1, TWE p. 396
- Demonstration 17-2, TWE pp. 400–401
- _____ Applying Physics, TWE p. 397
- _____ Connections to Chemistry, TWE p. 397
- _____ Connections to History, TWE p. 398
- Transparency 28 Master and Worksheet, pp. 57–58, TCR
- Physics Lab and Pocket Lab Worksheets, pp. 85–88, TCR
- Laboratory Manual, Labs 17.1, 17.2, TCR
- _____ Spanish Resources, TCR

Assess/Reteach

- Section Review, SE p. 402
- _____ Checking for Understanding, TWE p. 401
- Reteaching, TWE p. 401
- Study Guide, pp. 97–100, TCR
- Reteaching, p. 22, TCR
- _____ Supplemental Problems, TCR

Enrichment/Application

- _____ Enrichment, TWE p. 398
- Extension, TWE p. 401
- _____ Enrichment, pp. 33–34, TCR

Close

- Quick Demo, TWE p. 402

Chapter Assessment

- _____ Assessment, TWE p. 397
- _____ Alternate Assessment in the Science Classroom
- _____ Performance Assessment in the Science Classroom

Multimedia Options

- Videotape: MindJogger Videoquizzes
- Videotape: The Mechanical Universe, Quad 7
- Videodisc: STVS Physics, Disc 1, Side 1, Ch. 7; Disc 1, Side 2, Ch. 11
- _____ TestCheck Software