



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

Mirrors

Section Objectives

- _____ Explain how concave, convex, and plane mirrors form images.
- _____ Locate images using ray diagrams, and calculate image location and size using equations.
- _____ Explain the cause of spherical aberration and how the effect may be overcome.
- _____ Describe uses of parabolic mirrors.

National Science Content Standards UCP.2, UCP.3, A.1, A.2, E.1, E.2, F.6, G.3

Georgia QCC 1, 7.2, 12.2, 12.4, 14.6, 14.8, 24.2, 24.3, 24.4

Schedule

Block schedule: 1 session
Single-period schedule: 2 sessions

Focus

- Activity, TWE p. 416

Teach

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| <ul style="list-style-type: none"> Pocket Labs, SE pp. 417, 418, 419, 420, 425 _____ Help Wanted, SE p. 421 _____ Physics & Technology, SE p. 428 Quick Demos, TWE pp. 415, 417, 419 _____ Applying Physics, TWE pp. 418, 426 Demonstration 18-1, TWE pp. 418–419 Demonstration 18-2, TWE pp. 422–423 _____ Connections to History, TWE pp. 420, 424 | <ul style="list-style-type: none"> _____ Tech Prep, TWE p. 427 Transparency 29 Master and Worksheet, pp. 59–61, TCR Physics Lab and Pocket Lab Worksheets, pp. 93–97, TCR Laboratory Manual, Lab 18.1, TCR _____ Graphing Calculators in the Science Classroom _____ Spanish Resources, TCR |
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Assess/Reteach

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| <ul style="list-style-type: none"> Section Review, SE p. 428 _____ Checking for Understanding, TWE p. 427 Reteaching, TWE p. 427 | <ul style="list-style-type: none"> Study Guide, pp. 103–105, TCR _____ Supplemental Problems, TCR |
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Enrichment/Application

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| <ul style="list-style-type: none"> _____ Cultural Diversity, TWE p. 421 _____ Enrichment, TWE pp. 423, 424, 426 | <ul style="list-style-type: none"> Extension, TWE p. 427 Tech Prep Applications, pp. 27–30, TCR |
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Close

- Convergent Question, TWE p. 427

Chapter Assessment

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| <ul style="list-style-type: none"> _____ Assessments, TWE pp. 420, 423 _____ Alternate Assessment in the Science Classroom | <ul style="list-style-type: none"> _____ Performance Assessment in the Science Classroom |
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Multimedia Options

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| <ul style="list-style-type: none"> Videotape: MindJogger Videoquizzes Videodisc: STVS Chemistry, Disc 2, Side 2, Ch. 13; Earth and Space, Disc 3, Side 1, Ch. 8; Physics, Disc 1, Side 1, Ch. 9; Disc 1, Side 2, Ch. 17 | <ul style="list-style-type: none"> _____ TestCheck Software |
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