



7.2

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

Projectile Motion

Section Objectives

- _____ **Recognize** that the vertical and horizontal motions of a projectile are independent.
- _____ **Relate** the height, time in the air, and initial vertical velocity of a projectile using its vertical motion, then **determine** the range.
- _____ **Explain** how the shape of the trajectory of a moving object depends upon the frame of reference from which it is observed.

National Science Content Standards UCP.1, UCP.2, UCP.3, A.1, A.2, B.4

Georgia QCC 1, 1.1, 1.2, 2.2, 4, 24, 24.1, 24.2

Schedule

Block schedule: 2 sessions

Single-period schedule: 3 sessions

Focus

- _____ Focus Strategy, TWE p. 156

Teach

- | | |
|--|---|
| _____ Pocket Lab, SE p. 156 | _____ Transparency 10 Master and Worksheet, pp. 21–22, TCR |
| _____ Biology Connection, SE p. 161 | |
| _____ Design Your Own Physics Lab, SE p. 162 | _____ Physics Lab and Pocket Lab Worksheets, pp. 31–34, TCR |
| _____ Quick Demo, TWE p. 156 | _____ Laboratory Manual, Lab 7.3, TCR |
| _____ Applying Physics, TWE p. 157 | _____ Spanish Resources, TCR |
| _____ Physics Journal, TWE p. 158 | |

Assess/Reteach

- | | |
|--|-----------------------------------|
| _____ Section Review, SE p.161 | _____ Study Guide, pp. 40–41, TCR |
| _____ Checking for Understanding, TWE p. 161 | _____ Supplemental Problems, TCR |
| _____ Reteaching, TWE p. 161 | |

Enrichment/Application

- _____ Extension, TWE p. 161

Close

- _____ Closing Strategy, TWE p. 161

Chapter Assessment

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|---|---|
| _____ Assessment, TWE p. 157 | _____ Performance Assessment in the Science Classroom |
| _____ Alternate Assessment in the Science Classroom | |

Multimedia Options

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| _____ CD-ROM: 2-D Motion, PCA | _____ TestCheck Software |
| _____ Videotape: MindJogger Videoquizzes | |