



5.4

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

Free Fall

Section Objectives

- _____ Recognize the meaning of the acceleration due to gravity.
- _____ Define the magnitude of the acceleration due to gravity as a positive quantity and determine the sign of the acceleration relative to the chosen coordinate system.
- _____ Use the motion equations to solve problems involving freely falling objects.

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

Georgia QCC 2, 2.2, 2.5, 2.6, 3.4, 24, 24.1, 24.2, 24.3, 24.9, 24.10

Schedule

Block schedule: 1 1/2 sessions
 Single-period schedule: 3 sessions

Focus

- _____ Focus Strategy, TWE p. 104

Teach

- _____ Quick Demo, TWE p. 105
- _____ Physics Journal, TWE p. 106
- _____ Laboratory Manual, Lab 5.2, TCR
- _____ Physics Skills, Skill 15 p. 33, TCR
- _____ Spanish Resources, TCR

Assess/Reteach

- _____ Section Review, SE p. 106
- _____ Checking for Understanding, TWE p. 106
- _____ Reteaching, TWE p. 106
- _____ Study Guide, p. 30, TCR
- _____ Supplemental Problems, TCR
- _____ Reviewing Physics: Mastering the Georgia QCC, TCR

Enrichment/Application

- _____ Extension, TWE p. 106

Close

- _____ Closing Strategy, TWE p. 106

Chapter Assessment

- _____ Chapter Review, SE pp. 107–115
- _____ Assessment, TWE p. 105
- _____ Chapter Assessment, pp. 17–22, TCR
- _____ Alternate Assessment in the Science Classroom
- _____ Performance Assessment in the Science Classroom

Multimedia Options

- _____ CD-ROM: Mathematical Relationships; Acceleration, PCA
- _____ Videotape: MindJogger Videoquizzes
- _____ TestCheck Software