



5.3

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

Acceleration

Section Objectives

- _____ Determine from the curves on a velocity-time graph both the constant and instantaneous acceleration.
- _____ Determine the sign of acceleration using a $v-t$ graph and a motion diagram.
- _____ Calculate the velocity and the displacement of an object undergoing constant acceleration.

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

Georgia QCC 1, 1.1, 1.2, 1.3, 1.4, 2, 2.2, 2.6, 3.4, 24, 24.1, 24.2

Schedule

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

Focus

- Focus Strategy, TWE p. 94

Teach

- _____ Physics & Technology, SE p. 95
- _____ Help Wanted, SE p. 98
- Pocket Lab, SE p. 99
- Design Your Own Physics Lab, SE p. 100
- _____ Connections to Mathematics, TWE p. 95
- _____ Tech Prep, TWE p. 95
- Demonstration 5-3, TWE pp. 96–97
- _____ Physics Journal, TWE p. 98
- Quick Demo, TWE p. 101
- _____ Applying Physics, TWE p. 102
- _____ Graphing Calculators in the Science Classroom
- Laboratory Manual, Lab 5.1, TCR
- Physics Lab and Pocket Lab Worksheets, pp. 17–18, 22, TCR
- _____ Spanish Resources, TCR

Assess/Reteach

- Section Review, SE p. 103
- _____ Checking for Understanding, TWE p. 103
- Reteaching, TWE p. 103
- Study Guide, p. 29, TCR
- _____ Supplemental Problems, TCR

Enrichment/Application

- Extension, TWE p. 103
- _____ Critical Thinking, p. 8, TCR

Close

- Closing Strategy, TWE p. 103

Chapter Assessment

- _____ Assessment, TWE p. 97
- _____ Performance Assessment in the Science Classroom
- _____ Alternate Assessment in the Science Classroom

Multimedia Options

- Videotape: MindJogger Videoquizzes
- Videotape: The Mechanical Universe, Quad 3
- Videodisc: STVS Physics, Disc 1, Side 1, Ch. 4
- _____ TestCheck Software