



5.2

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

Graphing Velocity in One Dimension

Section Objectives

- _____ Determine, from a graph of velocity versus time, the velocity of an object at a specified time.
- _____ Interpret a v - t graph to find the time at which an object has a specific velocity.
- _____ Calculate the displacement of an object from the area under a v - t curve.

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

Georgia QCC 1, 2, 2.2, 2.6, 3.4

Schedule

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

Focus

- _____ Focus Strategy, *TWE* p. 90

Teach

- _____ Pocket Labs, *SE* pp. 91, 93
- _____ Quick Demo, *TWE* p. 90
- _____ Physics Journal, *TWE* p. 92
- _____ Demonstration 5-2, *TWE* pp. 90–91
- _____ *Physics Lab and Pocket Lab Worksheets*, pp. 20–21, *TCR*
- _____ *Spanish Resources*, *TCR*

Assess/Reteach

- _____ Section Review, *SE* p. 93
- _____ Checking for Understanding, *TWE* p. 92
- _____ Reteaching, *TWE* p. 92
- _____ *Study Guide*, p. 28, *TCR*
- _____ *Reteaching*, p. 6, *TCR*
- _____ *Supplemental Problems*, *TCR*

Enrichment/Application

- _____ Extension, *TWE* p. 93

Close

- _____ Closing Strategy, *TWE* p. 93

Chapter Assessment

- _____ Assessment, *TWE* p. 92
- _____ *Performance Assessment in the Science Classroom*
- _____ *Alternate Assessment in the Science Classroom*

Multimedia Options

- _____ **Videotape:** *MindJogger Videoquizzes*
- _____ **TestCheck Software**