



7.1

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

Forces in Two Dimensions

Section Objectives

- _____ Determine the force that produces equilibrium when three forces act on an object.
- _____ Analyze the motion of an object on an inclined plane with and without friction.

National Science Content Standards UCP.1, UCP.2, UCP.3, A.1, A.2, B.4, F6

Georgia QCC 2.2, 2.3, 3.3, 4, 4.2, 24.3, 24.4

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

Focus

- Focus Strategy, *TWE* p. 150

Teach

- _____ Quick Demos, *TWE* pp. 149, 150
- Transparency 9 Master and Worksheet, pp. 19–20, *TCR*
- _____ Applying Physics, *TWE* p. 151
- Graphing Calculators in the Science Classroom*
- Demonstration 7–1, *TWE* pp. 152–153
- Laboratory Manual, Labs 7.1, 7.2, TCR*
- _____ Physics Journal, *TWE* p. 153
- _____ *Spanish Resources, TCR*
- _____ Connections to Biology, *TWE* p. 153

Assess/Reteach

- Section Review, *SE* p. 154
- Study Guide*, pp. 37–39, *TCR*
- _____ Checking for Understanding, *TWE* p. 153
- Reteaching*, pp. 9–10, *TCR*
- Reteaching, *TWE* p. 154
- _____ *Supplemental Problems, TCR*

Enrichment/Application

- _____ Cultural Diversity, *TWE* p. 151
- Tech Prep Applications*, pp. 9–12, *TCR*
- Extension, *TWE* p. 154

Close

- Closing Strategy, *TWE* p. 154

Chapter Assessment

- _____ Assessment, *TWE* p. 152
- _____ *Performance Assessment in the Science Classroom*
- _____ *Alternate Assessment in the Science Classroom*

Multimedia Options

- CD-ROM:** *Interactive Physics*
- _____ **TestCheck Software**
- Videotape:** *MindJogger Videoquizzes*