



# 6.3 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

## Interaction Forces

### Section Objectives

- \_\_\_\_\_ Explain the meaning of interaction pairs of forces and how they are related by Newton's third law.
- \_\_\_\_\_ List the four fundamental forces and illustrate the environment in which each can be observed.
- \_\_\_\_\_ Explain the tension in ropes and strings in terms of Newton's third law.

**National Science Content Standards** UCP.1, UCP.2, UCP.3, UCP.5, A.1, A.2, B.4, E.1, E.2, G.3

**Georgia QCC** 1, 2.2, 2.5, 3, 3.3, 4, 4.1, 24, 24.1, 24.2, 24.3, 24.5, 24.6, 24.7, 24.9, 24.10

**Schedule**

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

### Focus

- Focus Strategy, TWE p. 138

### Teach

- Pocket Lab, SE p. 141
- \_\_\_\_\_ How It Works, SE p. 142
- Quick Demo, TWE p. 139
- \_\_\_\_\_ Physics Journal, TWE p. 140
- Transparency 8 Master and Worksheet, pp. 17–18, TCR
- Physics Lab and Pocket Lab Worksheets, p. 30, TCR
- Laboratory Manual, Lab 6.3, TCR
- \_\_\_\_\_ Spanish Resources, TCR

### Assess/Reteach

- Section Review, SE p. 143
- \_\_\_\_\_ Checking for Understanding, TWE p. 143
- Reteaching, TWE p. 143
- Study Guide, p. 36, TCR
- \_\_\_\_\_ Supplemental Problems, TCR
- Reviewing Physics: Mastering the Georgia QCC, TCR

### Enrichment/Application

- Extension, TWE p. 143
- \_\_\_\_\_ Advanced Concepts in Physics, pp. 9–14, TCR
- \_\_\_\_\_ Critical Thinking, p. 9, TCR

### Close

- Closing Strategy, TWE p. 143

### Chapter Assessment

- Chapter Review, SE pp. 144–147
- \_\_\_\_\_ Assessment, TWE p. 139
- Chapter Assessment, pp. 23–28, TCR
- \_\_\_\_\_ Alternate Assessment in the Science Classroom
- \_\_\_\_\_ Performance Assessment in the Science Classroom

### Multimedia Options

- Videotape: MindJogger Videoquizzes
- Videotape: The Mechanical Universe, Quad 2
- Videodisc: STVS Physics, Disc 1, Side 2, Chs. 4, 5
- \_\_\_\_\_ TestCheck Software