



# 21.1

# 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

## Creating and Measuring Electric Fields

### Section Objectives

- \_\_\_\_\_ Define and measure an electric field.
- \_\_\_\_\_ Solve problems relating to charge, electric fields, and forces.
- \_\_\_\_\_ Diagram electric field lines.

**National Science Content Standards** UCP.2, UCP.3, A.1, A.2, B.2, B.4, B.6, E.1, E.2, F.6, G.3  
**Georgia QCC** 1, 7, 7.1, 7.2, 16, 16.1, 20, 20.1, 20.2, 24, 24.1, 24.2, 24.3, 24.4, 24.5, 24.6, 24.7, 24.8, 24.9, 24.10

### Schedule

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

### Focus

- \_\_\_\_\_ Discrepant Event, TWE p. 482

### Teach

- \_\_\_\_\_ Pocket Lab, SE p. 484
- \_\_\_\_\_ Physics & Society, SE p. 486
- \_\_\_\_\_ Quick Demos, TWE pp. 481, 483
- \_\_\_\_\_ Demonstration 21-1, TWE pp. 484–485
- \_\_\_\_\_ Physics Journal, TWE p. 485
- \_\_\_\_\_ Physics Lab and Pocket Lab Worksheets, p. 113, TCR
- \_\_\_\_\_ Physics Skills, pp. 39-40, TCR
- \_\_\_\_\_ Spanish Resources, TCR

### Assess/Reteach

- \_\_\_\_\_ Section Review, SE p. 487
- \_\_\_\_\_ Checking for Understanding, TWE p. 487
- \_\_\_\_\_ Reteaching, TWE p. 487
- \_\_\_\_\_ Study Guide, pp. 121–123, TCR
- \_\_\_\_\_ Reteaching, pp. 26–27, TCR
- \_\_\_\_\_ Supplemental Problems, TCR

### Enrichment/Application

- \_\_\_\_\_ Enrichment, TWE p. 483
- \_\_\_\_\_ Extension, TWE p. 487

### Close

- \_\_\_\_\_ Activity, TWE p. 487

### Chapter Assessment

- \_\_\_\_\_ Assessment, TWE p. 485
- \_\_\_\_\_ Performance Assessment in the Science Classroom
- \_\_\_\_\_ Alternate Assessment in the Science Classroom

### Multimedia Options

- \_\_\_\_\_ CD-ROM: Interactive Physics
- \_\_\_\_\_ Videotape: MindJogger Videoquizzes
- \_\_\_\_\_ TestCheck Software