



# 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

## Electronic Devices

### Section Objectives

- \_\_\_\_\_ Describe how diodes limit current to motion in only one direction.
- \_\_\_\_\_ Explain how a transistor can amplify or increase voltage changes.

**National Science Content Standards** UCP.1, UCP.2, UCP.3, A.1, A.2, E.1, E.2, F.6  
**Georgia QCC** 1, 1.1, 1.2, 1.3, 1.4, 17.1, 17.2, 17.6, 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: optional lesson  
 Single-period schedule: 3 sessions

### Focus

- \_\_\_\_\_ Discrepant Event, TWE p. 679

### Teach

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| <ul style="list-style-type: none"> <li> _____ Pocket Lab, SE p. 682</li> <li>_____ Physics &amp; Society, SE p. 683</li> <li> _____ Physics Lab, SE p. 684</li> <li>_____ Fine Arts Connection, SE p. 686</li> <li>_____ Physics Journal, TWE p. 679</li> <li> _____ Demonstration 29-2, TWE pp. 680–681</li> <li>_____ Tech Prep, TWE p. 680</li> </ul> | <ul style="list-style-type: none"> <li>_____ Applying Physics, TWE p. 681</li> <li> _____ Quick Demo, TWE p. 682</li> <li>_____ Connections to Chemistry, TWE p. 685</li> <li> _____ Physics Lab and Pocket Lab Worksheets, pp. 157–158, 160, TCR</li> <li> _____ Laboratory Manual, Lab 29.2, TCR</li> <li>_____ Spanish Resources, TCR</li> </ul> |
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### Assess/Reteach

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| <ul style="list-style-type: none"> <li> _____ Section Review, SE p. 686</li> <li>_____ Checking for Understanding, TWE p. 686</li> <li> _____ Reteaching, TWE p. 686</li> <li> _____ Study Guide, pp. 173–174, TCR</li> </ul> | <ul style="list-style-type: none"> <li> _____ Reteaching, p. 37, TCR</li> <li>_____ Supplemental Problems, TCR</li> <li> _____ Reviewing Physics: Mastering the Georgia QCC, TCR</li> </ul> |
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### Enrichment/Application

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| <ul style="list-style-type: none"> <li> _____ Extension, TWE p. 686</li> </ul> | <ul style="list-style-type: none"> <li>_____ Critical Thinking, p. 36, TCR</li> </ul> |
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### Close

- \_\_\_\_\_ Closing Strategy, TWE p. 686

### Chapter Assessment

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| <ul style="list-style-type: none"> <li> _____ Chapter Review, SE pp. 687–689</li> <li>_____ Assessment, TWE p. 682</li> <li> _____ Chapter Assessment, pp. 131–134, TCR</li> </ul> | <ul style="list-style-type: none"> <li>_____ Alternate Assessment in the Science Classroom</li> <li>_____ Performance Assessment in the Science Classroom</li> </ul> |
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### Multimedia Options

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| <ul style="list-style-type: none"> <li> _____ Videotape: MindJogger Videoquizzes</li> <li> _____ Videodisc: STVS Physics, Disc 1, Side 1, Ch. 19; Disc 1, Side 2, Chs. 2, 14–17, 19</li> </ul> | <ul style="list-style-type: none"> <li>_____ TestCheck Software</li> </ul> |
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