



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

Electrical Force

Section Objectives

- _____ Summarize the relationship between forces and charges.
- _____ Describe how an electroscope detects electric charge.
- _____ Explain how to charge by conduction and induction.
- _____ Use Coulomb's law to solve problems relating to electrical force.
- _____ Develop a model of how charged objects can attract a neutral object.

National Science Content Standards UCP.2, UCP.3, A.1, A.2, B.2, B.4, B.6, D.1, E.1, E.2, G.3
Georgia QCC 1, 16, 16.1, 24, 24.1, 24.2, 24.3, 24.5, 24.6, 24.7, 24.9, 24.10

Schedule

Block schedule: 2 1/2 sessions
 Single-period schedule: 4 sessions

Focus

- _____ Discrepant Event, *TWE* p. 468

Teach

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| <ul style="list-style-type: none"> _____ Pocket Labs, <i>SE</i> pp. 471, 472 _____ How It Works, <i>SE</i> p. 473 _____ Quick Demos, <i>TWE</i> pp. 469, 470 _____ Connections to Chemistry, <i>TWE</i> p. 469 _____ Demonstration 20-2, <i>TWE</i> pp. 470–471 _____ Physics Journal, <i>TWE</i> p. 474 _____ Tech Prep, <i>TWE</i> p. 474 | <ul style="list-style-type: none"> _____ Transparencies 33, 34 Masters and Worksheets, pp. 71–74, <i>TCR</i> _____ <i>Physics Lab and Pocket Lab Worksheets</i>, pp. 109–110, <i>TCR</i> _____ <i>Laboratory Manual</i>, Lab 20.1, <i>TCR</i> _____ <i>Spanish Resources</i>, <i>TCR</i> |
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Assess/Reteach

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| <ul style="list-style-type: none"> _____ Section Review, <i>SE</i> p. 476 _____ Checking for Understanding, <i>TWE</i> p. 475 _____ Reteaching, <i>TWE</i> p. 475 _____ <i>Study Guide</i>, pp. 117–120, <i>TCR</i> | <ul style="list-style-type: none"> _____ <i>Reteaching</i>, p. 25, <i>TCR</i> _____ <i>Supplemental Problems</i>, <i>TCR</i> _____ <i>Reviewing Physics: Mastering the Georgia QCC</i>, <i>TCR</i> |
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Enrichment/Application

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| <ul style="list-style-type: none"> _____ Cultural Diversity, <i>TWE</i> p. 472 _____ Enrichment, <i>TWE</i> p. 474 _____ Extension, <i>TWE</i> p. 475 | <ul style="list-style-type: none"> _____ <i>Critical Thinking</i>, p. 26, <i>TCR</i> _____ <i>Enrichment</i>, p. 39, <i>TCR</i> |
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Close

- _____ Activity, *TWE* p. 476

Chapter Assessment

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| <ul style="list-style-type: none"> _____ Chapter Review, <i>SE</i> pp. 477–479 _____ Assessment, <i>TWE</i> p. 472 _____ <i>Chapter Assessment</i>, pp. 93–98, <i>TCR</i> | <ul style="list-style-type: none"> _____ <i>Alternate Assessment in the Science Classroom</i> _____ <i>Performance Assessment in the Science Classroom</i> |
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Multimedia Options

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| <ul style="list-style-type: none"> _____ Videotape: <i>MindJogger Videoquizzes</i> _____ Videotape: <i>The Mechanical Universe</i>, Quad 5 | <ul style="list-style-type: none"> _____ Videodisc: <i>STVS Physics</i>, Disc 1, Side 1, Ch. 18 _____ TestCheck Software |
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