

22.1 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

Current and Circuits

Section Objectives

- _____ Define an electric current and the ampere.
- _____ Describe conditions that create current in an electric circuit.
- _____ Draw circuits and recognize that they are closed loops.
- _____ Define power in electric circuits.
- _____ Define resistance and describe Ohm's law.


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

Georgia QCC 1, 1.1, 1.2, 1.3, 1.4, 17, 17.1, 17.2, 20, 20.1, 20.2, 24.1, 24.2, 24.3, 24.4, 24.6








Schedule

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





Focus

-  Activity, TWE p. 508

Teach

- | | |
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| <ul style="list-style-type: none"> _____ Help Wanted, SE p. 510  Pocket Labs, SE pp. 512, 516 _____ Biology Connection, SE p. 515  Physics Lab, SE p. 518 _____ Physics & Technology, SE p. 519  Quick Demos, TWE pp. 507, 511 _____ Physics Journal, TWE p. 510 _____ Connections to Chemistry, TWE p. 511 _____ Tech Prep, TWE p. 513 | <ul style="list-style-type: none"> _____ Connections to Engineering, TWE p. 514  Demonstration 22-1, TWE pp. 516-517  Transparencies 37, 38 Masters and Worksheets, pp. 79-82, TCR  Physics Lab and Pocket Lab Worksheets, pp. 118-119, TCR  Laboratory Manual, Lab 22.1, TCR _____ Spanish Resources, TCR |
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Assess/Reteach

- | | |
|---|---|
| <ul style="list-style-type: none">  Section Review, SE p. 519 _____ Checking for Understanding, TWE p. 517  Reteaching, TWE p. 517 | <ul style="list-style-type: none">  Study Guide, pp. 127-131, TCR  Reteaching, p. 28, TCR _____ Supplemental Problems, TCR |
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Enrichment/Application

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| <ul style="list-style-type: none"> _____ Cultural Diversity, TWE p. 512 _____ Enrichment, TWE p. 515 | <ul style="list-style-type: none">  Extension, TWE p. 517 _____ Enrichment, pp. 43-44, TCR |
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Close

-  Closing Strategy, TWE p. 519

Chapter Assessment

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| <ul style="list-style-type: none"> _____ Assessment, TWE pp. 512, 513, 514 _____ Alternate Assessment in the Science Classroom | <ul style="list-style-type: none"> _____ Performance Assessment in the Science Classroom |
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Multimedia Options

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| <ul style="list-style-type: none">  CD-ROM: Electricity, PCA  Videotape: MindJogger Videoquizzes  Videotape: The Mechanical Universe, Quad 5 | <ul style="list-style-type: none">  Videodisc: STVS Chemistry, Disc 2, Side 2, Chs. 8, 13, 14, 15, 16; Physics, Disc 1, Side 2, Ch. 14 _____ TestCheck Software |
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