

26.1 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

Interaction Between Electric and Magnetic Fields and Matter

Section Objectives








- _____ Describe the measurement of the charge-to-mass ratio of the electron and **solve** problems related to this measurement.
- _____ **Explain** how a mass spectrometer separates ions of different masses and **solve** problems involving this instrument.

National Science Content Standards UCP.1, UCP.2, UCP.3, UCP.5, A.1, A.2, B.4, E.1, E.2, F.6, G.3
Georgia QCC 1, 1.1, 1.2, 1.3, 1.4, 24.1, 24.3, 24.4
Schedule
 Block schedule: 2 sessions
 Single-period schedule: 3 sessions




Focus

-  Focus Strategy, TWE p. 605

Teach

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|---|---|
| _____ Help Wanted, SE p. 605 | _____ Applying Physics, TWE p. 609 |
|  Pocket Lab, SE p. 607 |  Transparencies 46, 47 Masters and Worksheets, pp.101–104, TCR |
|  Physics Lab, SE p. 612 |  Physics Lab and Pocket Lab Worksheets, pp. 141–143, TCR |
|  Quick Demos, TWE pp. 603, 606 |  Laboratory Manual, Lab 26.1, TCR |
| _____ Connections to History, TWE p. 605 | _____ Spanish Resources, TCR |
| _____ Connections to Chemistry, TWE p. 610 | |
| _____ Physics Journal, TWE p. 608 | |
|  Demonstration 26-1, TWE pp. 608–609 | |

Assess/Reteach

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|---|---|
|  Section Review, SE p. 611 |  Study Guide, pp. 151–153, TCR |
| _____ Checking for Understanding, TWE p. 610 | _____ Supplemental Problems, TCR |
|  Reteaching, TWE p. 610 | |

Enrichment/Application

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| _____ Enrichment, TWE p. 608 |  Extension, TWE p. 610 |
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Close

-  Quick Demo, TWE p. 611

Chapter Assessment

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| _____ Assessment, TWE p. 606 | _____ Performance Assessment in the Science Classroom |
| _____ Alternate Assessment in the Science Classroom | |

Multimedia Options

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|  Videotape: MindJogger Videoquizzes | _____ TestCheck Software |
|  Videodisc: STVS Earth and Space, Disc 3, Side 1, Ch. 9 | |