



3.3

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

Velocity and Acceleration

Section Objectives

- _____ Define *velocity* and *acceleration* operationally.
- _____ Relate the direction and magnitude of velocity and acceleration vectors to the motion of objects.
- _____ Create pictorial and physical models for solving motion problems.

National Science Content Standards UCP.1, UCP.2, UCP.3, A.1, A.2, B.4, G.3
Georgia QCC 1, 1.1, 2, 2.1, 2.2, 5.2, 24, 24.1, 24.2, 24.3

Schedule

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

Focus

- Activity, TWE p. 53

Teach

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| <ul style="list-style-type: none"> Pocket Lab, SE p. 55 Earth Science Connection, SE p. 56 Design Your Own Physics Lab, SE p. 58 Quick Demo, TWE p. 53 _____ Tech Prep, TWE p. 53 | <ul style="list-style-type: none"> _____ Physics Journal, TWE p. 54 Demonstration 3-2, TWE pp. 54–55 _____ Applying Physics, TWE p. 57 Physics Lab and Pocket Lab Worksheets, pp. 9–10, 12, TCR |
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Assess/Reteach

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| <ul style="list-style-type: none"> Section Review, SE p. 59 _____ Checking for Understanding, TWE p. 59 Reteaching, TWE p. 59 Study Guide, p. 16, TCR | <ul style="list-style-type: none"> _____ Supplemental Problems, TCR Reviewing Physics: Mastering the Georgia QCC, TCR |
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Enrichment/Application

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| <ul style="list-style-type: none"> Extension, TWE p. 59 _____ Cultural Diversity, TWE p. 56 | <ul style="list-style-type: none"> _____ Enrichment, pp. 5–6, TCR |
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Close

- Activity, TWE p. 59

Chapter Assessment

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| <ul style="list-style-type: none"> Chapter Review, SE pp. 60–61 _____ Assessment, TWE p. 57 Chapter Assessment, pp. 9–12, TCR | <ul style="list-style-type: none"> _____ Alternate Assessment in the Science Classroom _____ Performance Assessment in the Science Classroom |
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Multimedia Options

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| <ul style="list-style-type: none"> CD-ROM: Vectors; Acceleration, PCA Videotape: MindJogger Videoquizzes | <ul style="list-style-type: none"> Videodisc: STVS Physics, Disc 1, Side 2, Ch. 7 _____ TestCheck Software |
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