



7.3

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

Circular Motion

Section Objectives

- _____ Explain the acceleration of an object moving in a circle at constant speed.
- _____ Describe how centripetal acceleration depends upon the object's speed and the radius of the circle.
- _____ Recognize the direction of the force that causes centripetal acceleration.
- _____ Explain how the rate of circular motion is changed by exerting torque on it.

National Science Content Standards UCP.1, UCP.2, UCP.3, A.1, A.2, B.4, E.1, E.2
Georgia QCC 1, 1.2, 2.2, 2.3, 2.5, 4, 4.1, 4.2, 5, 5.1
Schedule
 Block schedule: 1 1/2 sessions
 Single-period schedule: 3 sessions

Focus

- _____ Focus Strategy, *TWE* p. 163

Teach

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| <ul style="list-style-type: none"> _____ Pocket Labs, <i>SE</i> pp. 164, 166 _____ Help Wanted, <i>SE</i> p. 165 _____ Physics & Technology, <i>SE</i> p. 167 _____ Quick Demo, <i>TWE</i> p. 164 _____ Tech Prep, <i>TWE</i> p. 164 | <ul style="list-style-type: none"> _____ Physics Journal, <i>TWE</i> p. 165 _____ Demonstration 7–2, <i>TWE</i> pp. 166–167 _____ <i>Physics Lab and Pocket Lab Worksheets</i>, pp. 35–36, <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. 168 _____ Checking for Understanding, <i>TWE</i> p. 168 _____ Reteaching, <i>TWE</i> p. 168 _____ <i>Study Guide</i>, p. 42, <i>TCR</i> | <ul style="list-style-type: none"> _____ <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"> _____ Enrichment, <i>TWE</i> p. 165 _____ Extension, <i>TWE</i> p. 168 | <ul style="list-style-type: none"> _____ <i>Critical Thinking</i>, p. 10, <i>TCR</i> _____ <i>Enrichment</i>, pp. 13–14, <i>TCR</i> |
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Close

- _____ Closing Strategy, *TWE* p. 168

Chapter Assessment

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| <ul style="list-style-type: none"> _____ Chapter Review, <i>SE</i> pp. 169–173 _____ Assessment, <i>TWE</i> p. 165 _____ <i>Chapter Assessment</i>, pp. 29–34, <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"> _____ CD-ROM: 2-D Motion; Energy, <i>PCA</i> _____ Videotape: <i>MindJogger Videoquizzes</i> _____ Videotape: <i>The Mechanical Universe</i>, Quad 3 | <ul style="list-style-type: none"> _____ Videodisc: <i>STVS Physics</i>, Disc 1, Side 2, Ch. 8 _____ TestCheck Software |
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