



6.2

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

Using Newton's Laws

Section Objectives

- _____ Describe how the weight and the mass of an object are related.
- _____ Differentiate between the gravitational force weight and what is experienced as apparent weight.
- _____ Define the friction force and distinguish between static and kinetic friction.
- _____ Describe simple harmonic motion and explain how the acceleration due to gravity influences such motion.

National Science Content Standards UCP.1, UCP.2, UCP.3, UCP.4, A.1, A.2, B.4, G.1, G.2, G.3
Georgia QCC 1, 1.1, 1.2, 1.3, 1.4, 2.2, 3, 3.1, 3.3, 4, 4.1, 5.2, 8, 24.1, 24.2

Schedule

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

Focus

- Focus Strategy, *TWE* p. 127

Teach

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| <ul style="list-style-type: none"> Pocket Labs, <i>SE</i> pp. 129, 133 _____ Earth Science Connection, <i>SE</i> p. 130 Physics Lab, <i>SE</i> p. 137 Quick Demos, <i>TWE</i> pp. 127, 130 _____ Physics Journal, <i>TWE</i> pp. 129, 130 _____ Applying Physics, <i>TWE</i> p. 131 Demonstration 6–2, <i>TWE</i> pp. 132–133 | <ul style="list-style-type: none"> _____ Tech Prep, <i>TWE</i> p. 134 <i>Physics Lab and Pocket Lab Worksheets</i>, pp. 23–25, 28–29, <i>TCR</i> <i>Laboratory Manual</i>, Lab 6.2, <i>TCR</i> _____ <i>Physics Skills</i>, Skill 15 p. 34, <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. 136 _____ Checking for Understanding, <i>TWE</i> p. 135 Reteaching, <i>TWE</i> p. 135 | <ul style="list-style-type: none"> <i>Study Guide</i>, pp. 34–35, <i>TCR</i> _____ <i>Supplemental Problems</i>, <i>TCR</i> |
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Enrichment/Application

- _____ Enrichment, *TWE* pp. 130, 132, 135
- Extension, *TWE* p. 136

Close

- Closing Strategy, *TWE* p. 136

Chapter Assessment

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| <ul style="list-style-type: none"> _____ Assessment, <i>TWE</i> p. 134 _____ <i>Alternate Assessment in the Science Classroom</i> | <ul style="list-style-type: none"> _____ <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 1 | <ul style="list-style-type: none"> Videodisc: <i>STVS Physics</i>, Disc 1, Side 1, Chs. 3,4; Disc 1, Side 2, Ch. 2 _____ TestCheck Software |
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