



# 6.1 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

## Force and Motion

### Section Objectives

- \_\_\_\_\_ Define a force and differentiate between contact forces and long-range forces.
- \_\_\_\_\_ Recognize the significance of Newton's second law of motion and use it to solve motion problems.
- \_\_\_\_\_ Explain the meaning of Newton's first law and describe an object in equilibrium.

**National Science Content Standards** UCP.1, UCP.2, UCP.3, UCP.4, UCP.5, A.1, A.2, B.4, G.2, G.3  
**Georgia QCC** 1, 2.2, 3, 3.1, 3.4, 4, 4.1, 24, 24.3, 24.4, 24.5, 24.6, 24.7, 24.9, 24.10






**Schedule**

Block schedule: 1 session  
 Single-period schedule: 2 sessions





### Focus

-  Discrepant Event, TWE p. 118

### Teach

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| <ul style="list-style-type: none"> <li> Pocket Labs, SE pp. 119, 123</li> <li>_____ Help Wanted, SE p. 122</li> <li> Quick Demos, TWE pp. 117, 122</li> <li>_____ Connections to Rocketry, TWE p. 121</li> <li> Demonstration 6-1, TWE pp. 122–123</li> </ul> | <ul style="list-style-type: none"> <li>_____ Physics Journal, TWE p. 123</li> <li> Physics Lab and Pocket Lab Worksheets, pp. 26–27, TCR</li> <li> Laboratory Manual, Lab 6.1, TCR</li> <li>_____ Spanish Resources, TCR</li> </ul> |
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### Assess/Reteach

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| <ul style="list-style-type: none"> <li> Section Review, SE p. 125</li> <li>_____ Checking for Understanding, TWE p. 125</li> <li> Reteaching, TWE p. 125</li> </ul> | <ul style="list-style-type: none"> <li> Study Guide, pp. 31–33, TCR</li> <li> Reteaching, pp. 7–8, TCR</li> <li>_____ Supplemental Problems, TCR</li> </ul> |
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### Enrichment/Application

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| <ul style="list-style-type: none"> <li>_____ Cultural Diversity, TWE p. 119</li> <li> Extension, TWE p. 125</li> <li>_____ Enrichment, pp. 11–12, TCR</li> </ul> | <ul style="list-style-type: none"> <li> Tech Prep Applications, pp. 5–8, TCR</li> </ul> |
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### Close

-  Closing Strategy, TWE p. 125

### Chapter Assessment

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| <ul style="list-style-type: none"> <li>_____ Assessment, TWE p. 121</li> <li>_____ Alternate Assessment in the Science Classroom</li> </ul> | <ul style="list-style-type: none"> <li>_____ Performance Assessment in the Science Classroom</li> </ul> |
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### Multimedia Options

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| <ul style="list-style-type: none"> <li> CD-ROM: Interactive Physics</li> <li> CD-ROM: Mathematical Relationships; Forces, PCA</li> <li> Videotape: MindJogger Videoquizzes</li> </ul> | <ul style="list-style-type: none"> <li> Videotape: The Mechanical Universe, Quads 1, 3</li> <li> Videodisc: STVS Physics, Disc 1, Side 1, Ch. 2</li> <li>_____ TestCheck Software</li> </ul> |
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