



4.1

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

Properties of Vectors

Section Objectives

- _____ Determine graphically the sum of the magnitudes of two or more vectors.
- _____ Solve problems of relative velocity.

National Science Content Standards UCP.1, UCP.2, UCP.3, A.1, A.2, B.4, C.6, E.1, E.2, F.6
Georgia QCC 1, 1.1, 1.2, 1.3, 1.4, 2, 2.1, 2.2, 2.3, 2.6, 7, 7.1, 7.2, 24, 24.1, 24.2, 24.3, 24.4, 24.5, 24.6, 24.7, 24.8, 24.9, 24.10

Schedule

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

Focus

- Activity, TWE p. 64

Teach

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|--------------------------------------|---|
| _____ Fine Arts Connection, SE p. 64 | _____ Applying Physics, TWE p. 68 |
| _____ Using a Calculator, SE p. 67 | Transparency 4 Master and Worksheet, pp. 9–10, TCR |
| _____ Help Wanted, SE p. 68 | Physics Lab and Pocket Lab Worksheets, pp. 13–15, TCR |
| Physics Lab, SE p. 69 | Laboratory Manual, Lab 4.1, TCR |
| _____ Physics & Society, SE p. 70 | _____ Spanish Resources, TCR |
| _____ Tech Prep, TWE p. 65 | |
| Demonstration 4-1, TWE pp. 66–67 | |
| _____ Physics Journal, TWE p. 68 | |

Assess/Reteach

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|---|----------------------------------|
| Section Review, SE p. 71 | Study Guide, pp. 17–22, TCR |
| _____ Checking for Understanding, TWE p. 71 | _____ Supplemental Problems, TCR |
| Reteaching, TWE p. 71 | |

Enrichment/Application

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| Extension, TWE p. 71 | _____ Enrichment, pp. 7–8, TCR |
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Close

- Closing Strategy, TWE p. 71

Chapter Assessment

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| _____ Assessment, TWE p. 65 | _____ Performance Assessment in the Science Classroom |
| _____ Alternate Assessment in the Science Classroom | |

Multimedia Options

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| CD-ROM: Interactive Physics | Videotape: MindJogger Videoquizzes |
| CD-ROM: Velocity; Mathematical Relationships, PCA | _____ TestCheck Software |