

CHAPTER
9

Lesson
Plans

Section 2 ■ Using Machines



Schedule

Block Schedule: 1.5 sessions (■ denotes activities recommended for block schedule.)

Single Periods: 3 sessions

Objectives

4. **Explain** how a machine makes work easier.
5. **Calculate** the mechanical advantages and efficiency of a machine.
6. **Explain** how friction reduces efficiency.

■ QCC Standards

1, 4, 9.3, 12

Motivate

- Section Focus Transparency 2, **TCR** (Transparency Master and Study Guide, p. 45, **CRB**)

Teach

- Science Online, p. 265
- Math Skills Activity, pp. 265, 267
- Discussion, p. 265, **TWE**
- Teacher FYI, p. 265, **TWE**
- Visual Learning, p. 266, **TWE**
- Quick Demo, p. 266, **TWE**
- Curriculum Connection, p. 266, **TWE**
- Use an Analogy, p. 266, **TWE**
- Fun Fact, p. 266, **TWE**
- Life Science Integration, p. 267
- Extension, p. 267, **TWE**
- Identifying Misconceptions, pp. 268, **TWE**
- Content Outline for Teaching, Section 2 (Note-taking Worksheet, pp. 33–35, **CRB**)
- Teaching Transparency, **TCR** (Transparency Master and Study Guide, pp. 47–48, **CRB**)
- Spanish Resources, Section 2, **CRB**

Assess

- Section Assessment, p. 268
- Skill Builder Activities, p. 268
- Performance Assessment in the Science Classroom, p. 93, **TCR**

Reteach/Reinforce

- Directed Reading for Content Mastery, p. 21, **CRB**
- Spanish Directed Reading for Content Mastery, p. 25, **CRB**
- Reinforcement, p. 28, **CRB**
- Reading and Writing Skill Activities, p. 35, **TCR**

Enrich/Apply

- Enrichment, p. 31, **CRB**
- Physical Science Critical Thinking/Problem-Solving, p. 6, **TCR**

Multimedia Options

- Vocabulary Puzzlemaker Software, Ch. 9
- Guided Reading Audio Program (English & Spanish), Ch. 9
- Using the Internet in the Science Classroom, **TCR**
- Science Web site: science.glencoe.com