



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

Machines

Section Objectives

- _____ **Demonstrate** knowledge of why simple machines are useful.
- _____ **Communicate** an understanding of mechanical advantage in ideal and real machines.
- _____ **Analyze** compound machines and **describe** them in terms of simple machines.
- _____ **Calculate** efficiencies for simple and compound machines.

National Science Content Standards UCP.1, UCP.2, UCP.3, UCP.5, A.1, A.2, B.4, B.5, C.6, E.1, E.2, G.1

Georgia QCC 1, 6, 6.5, 7.2, 8, 24.3

Schedule

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

Focus

- _____ Discrepant Event, *TWE* p. 234

Teach

- | | |
|---|---|
| <ul style="list-style-type: none"> _____ Help Wanted, <i>SE</i> p. 234 _____ Pocket Lab, <i>SE</i> p. 236 _____ How It Works, <i>SE</i> p. 240 _____ Quick Demo, <i>TWE</i> p. 234 _____ Connections to Architecture, <i>TWE</i> p. 234 _____ Applying Physics, <i>TWE</i> p. 235 _____ Physics Journal, <i>TWE</i> p. 235 | <ul style="list-style-type: none"> _____ Connections to Biology, <i>TWE</i> p. 237 _____ Transparency 14 Master and Worksheet, pp. 29–30, <i>TCR</i> _____ Laboratory Manual, Lab 10.1, <i>TCR</i> _____ Physics Lab and Pocket Lab Worksheets, p. 51, <i>TCR</i> _____ Spanish Resources, <i>TCR</i> |
|---|---|

Assess/Reteach

- | | |
|---|--|
| <ul style="list-style-type: none"> _____ Section Review, <i>SE</i> p. 239 _____ Checking for Understanding, <i>TWE</i> p. 238 _____ Reteaching, <i>TWE</i> p. 239 _____ Study Guide, pp. 58–60, <i>TCR</i> | <ul style="list-style-type: none"> _____ Reteaching, p. 14, <i>TCR</i> _____ Supplemental Problems, <i>TCR</i> _____ Reviewing Physics: Mastering the Georgia QCC, <i>TCR</i> |
|---|--|

Enrichment/Application

- | | |
|---|---|
| <ul style="list-style-type: none"> _____ Cultural Diversity, <i>TWE</i> p. 235 _____ Enrichment, <i>TWE</i> p. 237 _____ Extension, <i>TWE</i> p. 239 | <ul style="list-style-type: none"> _____ Tech Prep Applications, pp. 17–18, <i>TCR</i> _____ Critical Thinking, p. 15, <i>TCR</i> _____ Enrichment, pp. 19–20, <i>TCR</i> |
|---|---|

Close

- _____ Quick Demo, *TWE* p. 239

Chapter Assessment

- | | |
|---|--|
| <ul style="list-style-type: none"> _____ Chapter Review, <i>SE</i> pp. 241–245 _____ Assessment, <i>TWE</i> p. 238 _____ Chapter Assessment, pp. 45–48, <i>TCR</i> | <ul style="list-style-type: none"> _____ Alternate Assessment in the Science Classroom _____ Performance Assessment in the Science Classroom |
|---|--|

Multimedia Options

- | | |
|--|--|
| <ul style="list-style-type: none"> _____ Videotape: <i>MindJogger Videoquizzes</i> _____ Videotape: <i>The Mechanical Universe</i>, Quad 2 | <ul style="list-style-type: none"> _____ Videodisc: <i>STVS Physics</i>, Disc 1, Side 2, Chs. 4, 9, 12, 14, 18; <i>Chemistry</i>, Disc 2, Side 2, Ch. 19 _____ TestCheck Software |
|--|--|