



Biology

© 2009

STANDARDS	PAGE REFERENCES
Science as Inquiry	
Identifies questions and concepts that guide scientific investigations.	<p>Student Edition: 11-14, 16, 18-20 <i>Launch Lab</i> 3 <i>National Geographic</i> 17</p> <p>Teacher Wraparound Edition: MI 11; RS 12</p>
Designs and conducts scientific investigations.	<p>Student Edition: 16, 18-20 <i>BioLab: Design Your Own</i> 23, 51, 83, 173, 235, 259, 533, 567, 593, 653, 925, 1035 <i>National Geographic</i> 17</p> <p>Teacher Wraparound Edition: CT 18</p>
Uses technology and mathematics to improve investigations and communications.	<p>Student Edition: <i>BioLab</i> 783, 809, 899, 1011, 1067 <i>Investigation and Experimentation</i> xxxv-xliii <i>Skillbuilder Handbook</i> 1114-1118</p>

STANDARDS	PAGE REFERENCES
Formulates and revises scientific explanations and models using logic and evidence.	<p>Student Edition: 13-14, 20 <i>BioDiscoveries</i> 842 <i>BioLab: Design Your Own</i> 23, 51, 83, 173, 235, 287, 533, 567, 593, 925, 1035 <i>In the Field</i> 408</p> <p>Teacher Wraparound Edition: RS 12; WS 12</p>
Recognizes and analyzes alternative explanations and models.	<p>Student Edition: 405-407, 440-441 <i>BioDiscoveries</i> 842 <i>BioLab: Design Your Own</i> 23, 51, 83, 173, 235, 287, 533, 567, 593, 925, 1035</p> <p>Teacher Wraparound Edition: DC 406, 407, 440</p>
Communicates and defends a scientific argument.	<p>Student Edition: <i>BioLab: Design Your Own</i> 23, 51, 83, 173, 235, 287, 533, 567, 593, 925, 1035 <i>Skillbuilder Handbook</i> 1113</p> <p>Teacher Wraparound Edition: DC 407; WS 435</p>
Understands about scientific inquiry.	<p>Student Edition: 11-14, 16, 18-20 <i>BioDiscoveries</i> 22, 350, 842 <i>BioLab: Design Your Own</i> 23, 51, 83, 173, 235, 287, 533, 567, 593, 925, 1035 <i>In the Field</i> 408 <i>Launch Lab</i> 3 <i>National Geographic</i> 17</p> <p>Teacher Wraparound Edition: CB 12; RS 12</p>
Life Science	
Understands and applies knowledge of the cell.	<p>Student Edition: 6, 182-183, 185-186, 187-190, 191, 193-200, 202-207, 221 <i>BioLab</i> 209 <i>Launch Lab</i> 181 <i>MiniLab</i> 184, 203, 220 <i>National Geographic</i> 192</p> <p>Teacher Wraparound Edition: WS 183</p>

STANDARDS	PAGE REFERENCES
Understands and applies knowledge of the molecular basis of heredity.	Student Edition: 171, 270-271, 277-280, 283-285, 330-332, 336-337 Teacher Wraparound Edition: DC 171, 332, 338; MI 270
Understands and applies knowledge of biological evolution.	Student Edition: 418-420, 422, 423-430, 431-441 <i>BioLab</i> 442 <i>Cutting-Edge Biology</i> 442 <i>Launch Lab</i> 417 <i>MiniLab</i> 429 <i>National Geographic</i> 421 Teacher Wraparound Edition: DC 426; FA 422
Understands and applies knowledge of the interdependence of organisms.	Student Edition: 32, 35, 38-40, 41-43, 95-96 <i>BioLab</i> 107 <i>BioLab: Design Your Own</i> 83 <i>Data Analysis Lab</i> 98 <i>MiniLab</i> 42 Teacher Wraparound Edition: SP 38; WS 96
Understands and applies knowledge of matter, energy, and organization in living systems.	Student Edition: 8, 10, 36, 41-44, 45-49, 183, 218-220 <i>MiniLab</i> 42, 220 <i>National Geographic</i> 37 Teacher Wraparound Edition: DC 36, 46; SP 44; WS 219
Understands and applies knowledge of the behavior of organisms.	Student Edition: 908-910, 912-915, 916-923 <i>BioDiscoveries</i> 924 <i>BioLab: Design Your Own</i> 567, 925 <i>Launch Lab</i> 907 <i>MiniLab</i> 912 <i>National Geographic</i> 911 Teacher Wraparound Edition: CT 910; DE 922; WS 910