

**Macmillan/McGraw-Hill SCIENCE: A CLOSER LOOK © 2011, Grade 4**  
**Correlated with**  
**Common Core State Standards, Grade 4**

<b>Common Core State Standards for Literacy in History/Social Studies, Science, and Technical Subjects, Grades K-5</b>	
<b>English Language Arts Standards » Anchor Standards » College and Career Readiness Anchor Standards for Reading</b>	
The K–5 standards on the following pages define what students should understand and be able to do by the end of each grade. They correspond to the College and Career Readiness (CCR) anchor standards below by number. The CCR and grade-specific standards are necessary complements—the former providing broad standards, the latter providing additional specificity—that together define the skills and understandings that all students must demonstrate.	
<b>Key Ideas and Details</b>	
1. Read closely to determine what the text says explicitly and to make logical inferences from it; cite specific textual evidence when writing or speaking to support conclusions drawn from the text.	<b>Teacher’s Edition:</b> 10, 11, 13, 21, 22, 29, 33, 34, 41, 45, 46, 55, 56-57, 59, 60, 69, 77, 78, 85, 89, 90, 93, 95, 99, 100, 102, 105, 106-107, 109, 110, 116, 117, 129, 130, 133, 137, 138, 143, 145, 149, 150, 157, 165, 166, 171, 175, 176, 177, 179, 183, 184, 186, 191, 203, 204, 209, 213, 214, 221, 225, 226, 231, 233, 237, 238, 241, 243, 244-245, 251, 252, 255, 259, 263, 264, 269, 270-271, 273, 274, 281, 282-283, 285, 286, 291, 295, 296, 301, 313, 314, 317, 319, 323, 324, 331, 335, 336, 341, 345, 346, 349, 351, 352-353, 359, 360, 363, 365, 369, 370, 373, 375, 379, 380, 389, 393, 394, 399, 400-401, 411, 412, 417, 421, 422, 427, 431, 432, 437, 445, 446, 449, 453, 457, 458, 463, 467, 468, 471, 473, 483, 484, 487, 489, 493, 494, 498, 499, 503, 504, 507, 509, 513, 514, 515, 521, 522-523, 529, 530, 535, 536-537, 539, 540, 547, 544, 551, 552, 557, 564, 559, 560-561, 563, 571, 572-573, 575, 576, 585
2. Determine central ideas or themes of a text and analyze their development; summarize the key supporting details and ideas.	<b>Teacher’s Edition:</b> 4, 5, 6, 7, 8, 9, 10, 17, 22, 24, 26, 28, 34, 36, 40, 46, 48, 50, 52, 54, 60, 61, 62, 64, 66, 67, 68, 78, 79, 80, 83, 84, 90, 91, 92, 94, 100, 104, 107, 110, 112, 114, 115, 116, 130, 132, 138, 139, 140, 141, 142, 143, 144, 145, 150, 151, 152, 153, 155, 156, 161, 166, 168, 170, 171, 176, 178, 184, 185, 186, 188, 190, 192, 199, 204, 205, 206, 208, 214, 216, 217, 218, 219, 220, 226, 228, 230, 232, 234, 238, 240, 242, 252, 254, 256, 258, 264, 266, 268, 271, 274, 276, 278, 280, 286, 288, 290, 296, 297, 298, 300, 303, 314, 315, 316, 317, 318, 319, 324, 326, 330, 336, 338, 340, 346, 348, 350, 355, 360, 362, 364, 370, 372, 373, 374, 380, 381, 382, 383, 385, 386, 387, 388, 389, 391, 394, 395, 396, 398, 412, 414, 416, 422, 424, 426, 432, 434, 436, 446, 447, 448, 450, 451, 452, 455, 458, 459, 460, 461, 462, 468, 484, 486, 488, 494, 495, 496, 498, 504, 505, 506, 507,

**Macmillan/McGraw-Hill SCIENCE: A CLOSER LOOK © 2011, Grade 4**  
**Correlated with**  
**Common Core State Standards, Grade 4**

	508, 509, 511, 514, 516, 517, 518, 519, 520, 525, 530, 533, 534, 540, 542, 543, 544, 546, 552, 553, 554, 555, 556, 557, 558, 564, 566, 567, 568, 570, 576, 578, 580, 582, 583, 584, 589, R2, R3, R4, R5, R6, R7, R8, R9, 10, R11, 13, R14, R15, R16, R17, R18, R19, R20, R21, R22, R23, R24, R25
3. Analyze how and why individuals, events, and ideas develop and interact over the course of a text.	<b>Teacher's Edition:</b> 4-5, 10, 13A-13B, 56-57, 106-107, 244-245, 270-271, 282-283, 352-353, 400-401, 472-473, 522-523, 560-561, 572-573
<b>Craft and Structure</b>	
4. Interpret words and phrases as they are used in a text, including determining technical, connotative, and figurative meanings, and analyze how specific word choices shape meaning or tone.	<b>Teacher's Edition:</b> 16, 18C, 18D, 19, 22, 29, 34, 41, 46, 50, 55, 60, 69, 72, 74C, 74D, 75, 78, 85, 90, 95, 100, 105, 110, 117, 120, 126C, 126D, 127, 130, 133, 138, 145, 150, 157, 160, 162C, 162D, 163, 166, 171, 176, 179, 184, 191, 194, 200C, 200D, 201, 204, 209, 214, 221, 226, 233, 238, 243, 246, 248C, 248D, 249, 252, 259, 264, 269, 274, 281, 286, 291, 296, 301, 304, 310C, 310D, 311, 314, 319, 324, 331, 336, 341, 346, 351, 354, 356C, 356D, 357, 360, 363, 365, 370, 375, 380, 389, 394, 399, 402, 408C, 408D, 409, 412, 417, 422, 427, 432, 437, 440, 442C, 442D, 443, 446, 453, 458, 463, 468, 471, 474, 478, 480C, 480D, 481, 484, 489, 494, 499, 504, 509, 514, 521, 524, 526C, 526D, 527, 530, 535, 540, 547, 552, 559, 564, 571, 576, 585, 588
5. Analyze the structure of texts, including how specific sentences, paragraphs, and larger portions of the text (e.g., a section, chapter, scene, or stanza) relate to each other and the whole.	<b>Teacher's Edition:</b> 42-43, 124-125, 146, 192-193, 198-199, 308-309, 342-343, 390-391, 406-407, 438-439, 454-455,
6. Assess how point of view or purpose shapes the content and style of a text.	<b>Teacher's Edition:</b> 3, 16-17, 42-43, 122, 124-125, 143, 146-147, 192-193, 196, 198-199, 302-303, 306, 308-309, 342-343, 390-391, 404, 406-407, 438-439, 454-455, 476, 478-479, 510-511, 586-587, 590
<b>Integration of Knowledge and Ideas</b>	
7. Integrate and evaluate content presented in diverse media and formats, including visually and quantitatively, as well as in words.	<b>Teacher's Edition:</b> 4, 7, 21, 24, 26, 30-31, 32, 33, 37, 38, 39, 40, 45, 47, 48, 50, 54, 56-57, 59, 61, 62, 65, 66, 67, 68, 76, 77, 79, 80, 81, 83, 84, 86-87, 88, 89, 91, 92, 93, 94, 98, 103, 104, 109, 111, 112, 113, 114, 129, 131, 132, 134-135, 136, 139, 141, 143, 144, 152, 153, 154, 165, 167, 168, 170, 172-173, 174, 175, 176, 178, 184, 187, 202, 207, 210-211, 212, 213, 215,

**Macmillan/McGraw-Hill SCIENCE: A CLOSER LOOK © 2011, Grade 4**  
**Correlated with**  
**Common Core State Standards, Grade 4**

	216, 219, 227, 229, 231, 236, 239, 241, 251, 253, 256, 257, 258, 260-261, 262, 264, 266, 268, 270-271, 276, 278, 279, 280, 282-283, 287, 288, 289, 294, 297, 298, 309, 312, 315, 316, 325, 327, 329, 332-333, 337, 338, 339, 345, 347, 348, 349, 350, 360, 361, 363, 364, 368, 371, 372, 374, 376-377, 379, 381, 382, 383, 385, 386, 390-391, 392, 393, 395, 396, 397, 412, 413, 416, 424, 425, 428-429, 431, 434, 435, 436, 445, 448, 449, 451, 452, 459, 460, 464-465, 469, 470, 483, 485, 486, 488, 490-491, 495, 496, 497, 500, 505, 508, 517, 518, 519, 531, 532, 536, 541, 542, 543, 545, 553, 555, 565, 567, 569, 577, 579, 581, 582, 583, R2, R3, R4, R5, R6, R7, R10, R11, R12-R13, R14, R15, R16, R17, R18, R19, R20, R21, R24, R25, R26
8. Delineate and evaluate the argument and specific claims in a text, including the validity of the reasoning as well as the relevance and sufficiency of the evidence.	<b>Teacher's Edition:</b> 186-187, 190, 280, 292, 296-297, 298-299, 302-303,
9. Analyze how two or more texts address similar themes or topics in order to build knowledge or to compare the approaches the authors take.	<b>Teacher's Edition:</b> 118, 146, 192, 438, Additional opportunities to address: 17, 125, 147, 199, 309, 407, 479
<b>Range of Reading and Level of Text Complexity</b>	
10. Read and comprehend complex literary and informational texts independently and proficiently.	<b>Teacher's Edition:</b> 16-17, 19, 75, 108, 124-125, 127, 163, 198-199, 201, 249, 308-309, 311, 357, 406-407, 409, 443, 478-479, 481, 482, 527
<b>English Language Arts Standards » Anchor Standards » College and Career Readiness Anchor Standards for Writing</b> The K–5 standards on the following pages define what students should understand and be able to do by the end of each grade. They correspond to the College and Career Readiness (CCR) anchor standards below by number. The CCR and grade-specific standards are necessary complements—the former providing broad standards, the latter providing additional specificity—that together define the skills and understandings that all students must demonstrate.	
<b>Text Types and Purposes</b>	
1. Write arguments to support claims in an analysis of substantive topics or texts, using valid reasoning and relevant and sufficient evidence.	<b>Teacher's Edition:</b> 119, 134, 145, 191, 290, 292, 300, 305, 521
2. Write informative/explanatory texts to examine and convey complex ideas and information clearly and accurately through the effective selection, organization, and analysis of content.	<b>Teacher's Edition:</b> 17, 28, 39, 41, 43, 55, 69, 73, 83, 85, 86, 93, 94, 95, 96, 105, 107, 117, 119, 121, 122, 125, 132, 135, 144, 147, 151, 158, 161, 171, 180, 185, 190, 193, 195, 196, 199, 209, 220, 221, 223, 227, 230, 234, 237, 247, 258, 259, 269, 271, 280, 281, 287, 295, 297, 301, 303, 305, 306, 315, 318, 320, 330, 333, 341, 343, 350, 355, 364, 376, 379, 384, 388,

**Macmillan/McGraw-Hill SCIENCE: A CLOSER LOOK © 2011, Grade 4**  
**Correlated with**  
**Common Core State Standards, Grade 4**

	389, 391, 395, 398, 399, 401, 417, 427, 434, 437, 439, 441, 453, 455, 471, 475, 476, 500, 509, 511, 523, 525, 535, 567, 573, 587, 589, 584, R9, R14
3. Write narratives to develop real or imagined experiences or events using effective technique, well-chosen details, and well-structured event sequences.	<b>Teacher's Edition:</b> 29, 70, 73, 85, 95, 117, 122, 158, 171, 172, 180, 281, 309, 366, 403, 407, 436, 473, 479, 488, 499, 548, 590, R17, R20
<b>Production and Distribution of Writing</b>	
4. Produce clear and coherent writing in which the development, organization, and style are appropriate to task, purpose, and audience.	<b>Teacher's Edition:</b> 17, 70, 96, 119, 134, 158, 180, 234, 292, 320, 366, 418, 453, 455, 479, 500, 548
5. Develop and strengthen writing as needed by planning, revising, editing, rewriting, or trying a new approach.	<b>Teacher's Edition:</b> 70, 96, 119, 134, 158, 180, 234, 292, 320, 366, 417, 418, 479, 500, 548
6. Use technology, including the Internet, to produce and publish writing and to interact and collaborate with others.	<b>Teacher's Edition:</b> 17, 22, 29, 34, 39, 40, 41, 43, 46, 54, 55, 60, 65, 69, 70, 72, 78, 79, 85, 86, 90, 95, 96, 100, 105, 110, 113, 116, 117, 119, 120, 122, 125, 129, 130, 133, 138, 145, 147, 150, 152, 156, 157, 158, 160, 166, 171, 176, 179, 180, 184, 191, 193, 194, 196, 199, 204, 209, 214, 221, 223, 226, 229, 233, 234, 238, 239, 243, 246, 252, 259, 264, 269, 274, 281, 286, 291, 292, 296, 301, 303, 304, 306, 309, 314, 319, 320, 324, 327, 331, 336, 341, 343, 346, 351, 354, 360, 363, 365, 366, 370, 375, 380, 389, 391, 394, 399, 402, 404, 407, 412, 417, 418, 422, 425, 427, 432, 437, 439, 440, 446, 449, 453, 455, 458, 463, 468, 471, 474, 476, 479, 484, 489, 494, 496, 499, 500, 504, 509, 511, 514, 517, 521, 524, 530, 535, 540, 547, 548, 552, 559, 564, 569, 571, 576, 583, 585, 587, 588, 590, R9
<b>Research to Build and Present Knowledge</b>	
7. Conduct short as well as more sustained research projects based on focused questions, demonstrating understanding of the subject under investigation.	<b>Teacher's Edition:</b> 21, 25, 28, 33, 35, 39, 40, 41, 45, 54, 65, 77, 79, 83, 84, 85, 86-87, 89, 93, 94, 95, 104, 106-107, 109, 113, 116, 121, 122, 125, 129, 132, 134-135, 137, 139, 144, 145, 151, 156, 157, 158, 159, 165, 180, 183, 185, 189, 193, 195, 208, 213, 217, 220, 221, 227, 230, 232, 235, 237, 239, 242, 243, 244-245, 250-251, 256, 258, 259, 265, 269, 270, 273, 275, 280, 281, 287, 291, 292, 295, 297, 300, 301, 305, 306, 309, 325, 345, 359, 364, 366, 371, 374, 375, 379, 381, 383, 384, 387, 388, 389, 393, 395, 398, 400-401, 407, 434, 439, 441, 449, 452, 453, 462, 479, 485, 500, 505, 529, 531, 542, 551, 555, 557,

**Macmillan/McGraw-Hill SCIENCE: A CLOSER LOOK © 2011, Grade 4**  
**Correlated with**  
**Common Core State Standards, Grade 4**

	567, 572-573, 575, 577, 580, 584, 585, R23
8. Gather relevant information from multiple print and digital sources, assess the credibility and accuracy of each source, and integrate the information while avoiding plagiarism.	<b>Teacher’s Edition:</b> 21, 25, 28, 33, 35, 39, 40, 41, 45, 51, 54, 61, 65, 77, 79, 83, 84, 85, 86-87, 89, 93, 94, 95, 104, 106-107, 109, 113, 116, 121, 122, 125, 129, 132, 134-135, 137, 139, 144, 145, 151, 156, 157, 158, 159, 165, 180, 183, 185, 189, 195, 208, 213, 217, 220, 221, 227, 230, 232, 235, 237, 239, 242, 243, 244-245, 250-251, 256, 258, 259, 265, 269, 270, 273, 275, 280, 281, 287, 291, 292, 295, 297, 300, 301, 305, 306, 309, 325, 345, 359, 364, 366, 371, 374, 375, 379, 381, 383, 384, 387, 388, 389, 393, 395, 398, 400-401, 407, 434, 439, 441, 449, 452, 453, 462, 479, 485, 500, 505, 529, 531, 542, 551, 555, 557, 567, 572-573, 575, 577, 580, 584, 585, R23, R26
9. Draw evidence from literary or informational texts to support analysis, reflection, and research.	<b>Teacher’s Edition:</b> 13B, 17, 28, 33, 39, 40, 41, 54, 65, 79, 84, 86, 89, 93, 94, 104, 107, 109, 113, 116, 122, 125, 128, 129, 132, 144, 151, 156, 159, 167, 170, 179, 180, 189, 199, 208, 220, 227, 232, 235, 237, 239, 242, 245, 251, 273, 280, 295, 297, 309, 318, 330, 339, 345, 350, 359, 364, 374, 379, 381, 391, 388, 398, 404, 407, 414, 427, 439, 452, 462, 470, 479, 529, 551, 575, 587, R23, R24
<b>Range of Writing</b>	
10. Write routinely over extended time frames (time for research, reflection, and revision) and shorter time frames (a single sitting or a day or two) for a range of tasks, purposes, and audiences.	<b>Teacher’s Edition:</b> 11, 14, 16, 17, 27, 28, 29, 40, 41, 43, 50, 55, 65, 69, 70, 72, 73, 79, 83, 84, 85, 86, 93, 94, 95, 96, 105, 107, 117, 119, 120, 121, 122, 125, 132, 133, 134, 135, 145, 151, 157, 158, 160, 161, 170, 171, 172, 179, 180, 185, 190, 191, 194, 195, 196, 199, 209, 220, 221, 227, 230, 233, 234, 237, 239, 243, 246, 247, 259, 269, 281, 287, 291, 292, 301, 303, 304, 305, 306, 309, 319, 320, 330, 331, 333, 340, 341, 343, 347, 350, 351, 354, 355, 364, 365, 366, 375, 379, 384, 389, 399, 401, 402, 403, 404, 407, 414, 417, 418, 427, 434, 436, 437, 439, 440, 441, 453, 463, 471, 473, 474, 475, 476, 488, 489, 499, 500, 509, 511, 521, 523, 524, 525, 535, 547, 548, 559, 571, 584, 585, 587, 588, 589, 590, R9, R14, R17, R20, R23
<b>English Language Arts Standards » Reading: Informational Text » Grade 4</b>	
<b>Key Ideas and Details</b>	
1. Refer to details and examples in a text when explaining what the text says explicitly and when drawing inferences from the text.	<b>Teacher’s Edition:</b> 13, 21, 22, 29, 34, 41, 45, 46, 55, 56-57, 60, 69, 77, 78, 85, 89, 90, 93, 95, 100, 102, 105, 106-107, 110,

**Macmillan/McGraw-Hill SCIENCE: A CLOSER LOOK © 2011, Grade 4**  
**Correlated with**  
**Common Core State Standards, Grade 4**

	<p>116, 117, 130, 133, 137, 138, 143, 145, 149, 150, 157, 165, 166, 171, 175, 176, 177, 179, 183, 184, 186, 191, 204, 209, 213, 214, 221, 225, 226, 231, 233, 238, 241, 243, 244-245, 251, 252, 255, 259, 263, 264, 269, 274, 270-271, 273, 281, 282-283, 285, 286, 291, 295, 296, 301, 313, 314, 317, 319, 324, 331, 336, 341, 346, 349, 351, 352-353, 360, 363, 365, 369, 370, 373, 375, 376, 379, 380, 389, 393, 394, 399, 400-401, 411, 412, 417, 422, 427, 432, 437, 445, 446, 449, 453, 458, 463, 467, 468, 471, 483, 484, 487, 489, 493, 494, 498, 499, 503, 504, 507, 509, 513, 514, 515, 521, 522-523, 529, 530, 535, 536-537, 540, 544, 547, 551, 552, 557, 559, 560-561, 563, 564, 571, 572-573, 576, 585</p>
<p>2. Determine the main idea of a text and explain how it is supported by key details; summarize the text.</p>	<p><b>Teacher's Edition:</b>  4, 5, 6, 7, 8, 9, 10, 17, 22, 24, 26, 28, 34, 36, 40, 46, 48, 50, 52, 54, 60, 61, 62, 64, 66, 67, 68, 78, 79, 80, 83, 84, 90, 91, 92, 94, 100, 104, 107, 110, 112, 114, 115, 116, 130, 132, 138, 139, 140, 141, 142, 143, 144, 145, 150, 151, 152, 153, 155, 156, 161, 166, 168, 170, 171, 176, 178, 184, 185, 186, 188, 190, 192, 199, 204, 205, 206, 208, 214, 216, 217, 218, 219, 220, 226, 228, 230, 232, 234, 238, 240, 242, 252, 254, 256, 258, 264, 266, 268, 271, 274, 276, 278, 280, 286, 288, 290, 296, 297, 298, 300, 303, 314, 315, 316, 317, 318, 319, 324, 326, 330, 336, 338, 340, 346, 348, 350, 355, 360, 362, 364, 370, 372, 373, 374, 380, 381, 382, 383, 385, 386, 387, 388, 389, 391, 394, 395, 396, 398, 412, 414, 416, 422, 424, 426, 432, 434, 436, 446, 447, 448, 450, 451, 452, 455, 458, 459, 460, 461, 462, 468, 484, 486, 488, 494, 495, 496, 498, 504, 505, 506, 507, 508, 509, 511, 514, 516, 517, 518, 519, 520, 525, 530, 533, 534, 540, 542, 543, 544, 546, 552, 553, 554, 555, 556, 557, 558, 564, 566, 567, 568, 570, 576, 578, 580, 582, 583, 584, 589, R2, R3, R4, R5, R6, R7, R8, R9, 10, R11, 13, R14, R15, R16, R17, R18, R19, R20, R21, R22, R23, R24, R25</p>
<p>3. Explain events, procedures, ideas, or concepts in a historical, scientific, or technical text, including what happened and why, based on specific information in the text.</p>	<p><b>Teacher's Edition:</b>  16-17, 28, 29, 37, 39, 41, 42-43, 47, 49, 51, 53, 55, 61, 63, 65, 69, 73, 81, 82, 85, 91, 93, 95, 101, 105, 115, 117, 121, 124-125, 131, 132, 133, 141, 143, 145, 146-147, 155, 156, 157, 161, 167, 169, 171, 178, 179, 185, 187, 189, 191, 192-193, 195, 204, 209, 221, 231, 233, 241, 243, 247, 259, 269, 275, 281, 291, 301, 302-303, 305, 319, 325, 331, 341, 342-343, 351, 355, 365, 375, 389, 390-391, 399,</p>

**Macmillan/McGraw-Hill SCIENCE: A CLOSER LOOK © 2011, Grade 4**  
**Correlated with**  
**Common Core State Standards, Grade 4**

	403, 417, 427, 434, 437, 441, 454-453, 455, 463, 471, 475, 489, 499, 509, 510-511, 521, 525, 535, 547, 553, 559, 567, 571, 573, 585, 586-587, 589
<b>Craft and Structure</b>	
4. Determine the meaning of general academic and domain-specific words or phrases in a text relevant to a <i>grade 4 topic or subject area</i> .	<b>Teacher's Edition:</b> 16, 18C, 18D, 19, 22, 29, 34, 41, 46, 50, 55, 60, 69, 72, 74C, 74D, 75, 78, 85, 90, 95, 100, 105, 110, 117, 120, 126C, 126D, 127, 130, 133, 138, 145, 150, 157, 160, 162C, 162D, 163, 166, 171, 176, 179, 184, 191, 194, 200C, 200D, 201, 204, 209, 214, 221, 226, 233, 238, 243, 246, 248C, 248D, 249, 252, 259, 264, 268, 269, 274, 281, 286, 291, 296, 301, 304, 310C, 310D, 311, 314, 319, 324, 331, 336, 341, 346, 351, 354, 356C, 356D, 357, 360, 363, 365, 370, 375, 380, 389, 394, 399, 402, 408C, 408D, 409, 412, 417, 422, 427, 432, 437, 440, 442C, 442D, 443, 446, 453, 458, 463, 468, 471, 474, 478, 480C, 480D, 481, 484, 489, 494, 499, 504, 509, 514, 521, 524, 526C, 526D, 527, 530, 535, 540, 547, 552, 559, 564, 571, 576, 585, 588
5. Describe the overall structure (e.g., chronology, comparison, cause/effect, problem/solution) of events, ideas, concepts, or information in a text or part of a text.	<b>Teacher's Edition:</b> 22, 29, 34, 41, 90, 95, 100, 101, 105, 110, 115, 117, 118-119, 125, 147, 176, 178, 179, 184, 190, 191, 214, 215, 217, 219, 221, 222-223, 252, 253, 255, 257, 258, 259, 286, 287-289, 290, 291, 324, 325, 327, 329, 330, 331, 360, 361, 363, 364, 365, 370, 371, 373, 374, 375, 390-391, 412, 413-415, 416, 417, 422, 423, 425, 426, 427, 446, 447, 449, 451, 452, 453, 468, 469, 470, 471, 514, 515, 517, 519, 520, 521, 530, 531, 533, 534, 535, 576, 577, 579, 581, 583, 584, 585, 586-587
6. Compare and contrast a firsthand and secondhand account of the same event or topic; describe the differences in focus and the information provided.	<b>Teacher's Edition:</b> Opportunities to address: 118-119, 239, 242, 243, 245, 295, 341,
<b>Integration of Knowledge and Ideas</b>	
7. Interpret information presented visually, orally, or quantitatively (e.g., in charts, graphs, diagrams, time lines, animations, or interactive elements on Web pages) and explain how the information contributes to an understanding of the text in which it appears.	<b>Teacher's Edition:</b> 143, 390-391, 435, 586-587, R11, R12-R13
8. Explain how an author uses reasons and evidence to support particular points in a text.	<b>Teacher's Edition:</b> 17, 42-43, 132, 186-187, 190, 280, 292, 296-297, 298-299, 302-303

**Macmillan/McGraw-Hill SCIENCE: A CLOSER LOOK © 2011, Grade 4**  
**Correlated with**  
**Common Core State Standards, Grade 4**

<p>9. Integrate information from two texts on the same topic in order to write or speak about the subject knowledgeably.</p>	<p><b>Teacher’s Edition:</b>  118, 146, 192, 438  Additional opportunities to address:  17, 125, 147, 199, 309, 407, 479</p>
<b>Range of Reading and Level of Text Complexity</b>	
<p>10. By the end of year, read and comprehend informational texts, including history/social studies, science, and technical texts, in the grades 4–5 text complexity band proficiently, with scaffolding as needed at the high end of the range.</p>	<p><b>Teacher’s Edition:</b>  16-17, 19, 42-43, 44, 75, 118-119, 122, 124-125, 127, 128, 146-147, 163, 192-193, 196, 198-199, 201, 222-223, 249, 302-303, 306, 308-309, 311, 342-343, 357, 390-391, 404, 406-407, 409, 438-439, 443, 454-455, 476, 478-479, 481, 482, 510-511, 527, 586-587, 590</p>
<b>Common Core State Standards for Mathematics</b>	
<p>In Grade 4, instructional time should focus on three critical areas: (1) developing understanding and fluency with multi-digit multiplication, and developing understanding of dividing to find quotients involving multi-digit dividends; (2) developing an understanding of fraction equivalence, addition and subtraction of fractions with like denominators, and multiplication of fractions by whole numbers; (3) understanding that geometric figures can be analyzed and classified based on their properties, such as having parallel sides, perpendicular sides, particular angle measures, and symmetry.</p>	
<b>Overview</b>	
<b>Operations and Algebraic Thinking</b>	
<ul style="list-style-type: none"> <li>• Use the four operations with whole numbers to solve problems.</li> </ul>	<p><b>Teacher’s Edition:</b>  29, 30, 41, 69, 117, 133, 157, 235, 269, 291, 319, 365, 367, 375, 525, 549</p>
<ul style="list-style-type: none"> <li>• Gain familiarity with factors and multiples.</li> </ul>	<p><b>Teacher’s Edition:</b></p>
<ul style="list-style-type: none"> <li>• Generate and analyze patterns.</li> </ul>	<p><b>Teacher’s Edition:</b></p>
<b>Number and Operations in Base Ten</b>	
<ul style="list-style-type: none"> <li>• Generalize place value understanding for multi-digit whole numbers.</li> </ul>	<p><b>Teacher’s Edition:</b>  159</p>
<ul style="list-style-type: none"> <li>• Use place value understanding and properties of operations to perform multi-digit arithmetic.</li> </ul>	<p><b>Teacher’s Edition:</b>  97, 159, 367</p>
<b>Number and Operations—Fractions</b>	
<ul style="list-style-type: none"> <li>• Extend understanding of fraction equivalence and ordering.</li> </ul>	<p><b>Teacher’s Edition:</b>  71</p>
<ul style="list-style-type: none"> <li>• Build fractions from unit fractions by applying and extending previous understandings of operations on whole numbers.</li> </ul>	<p><b>Teacher’s Edition:</b>  259</p>
<ul style="list-style-type: none"> <li>• Understand decimal notation for fractions, and compare decimal fractions.</li> </ul>	<p><b>Teacher’s Edition:</b></p>
<b>Measurement and Data</b>	
<ul style="list-style-type: none"> <li>• Solve problems involving measurement and</li> </ul>	<p><b>Teacher’s Edition:</b></p>



**Macmillan/McGraw-Hill SCIENCE: A CLOSER LOOK © 2011, Grade 4**  
**Correlated with**  
**Common Core State Standards, Grade 4**

conversion of measurements from a larger unit to a smaller unit.	13, 30, 57, 221, 233, 260, 267, 283, 319, 353, 375, 419, 422, 423, 423, 424, 426, 427, 428-429, 445, 464-465, 483, 489, 495, 501, 505, 531, R2-R3, R4-R5, R6
• Represent and interpret data.	<b>Teacher's Edition:</b> 7, 8, 9, 13, 21, 57, 99, 107, 109, 113, 131, 137, 175, 213, 219, 237, 256, 263, 267, 273, 283, 285, 321, 328, 345, 369, 376-377, 393, 403, 411, 428, 431, 435, 445, 461, 470, 473, 483, 490-491, 493, 503, 513, 515, 523, 529, 573, R11, R12-R13
• Geometric measurement: understand concepts of angle and measure angles.	<b>Teacher's Edition:</b> 210, 559, 561
<b>Geometry</b>	
• Draw and identify lines and angles, and classify shapes by properties of their lines and angles.	<b>Teacher's Edition:</b> 181, 559