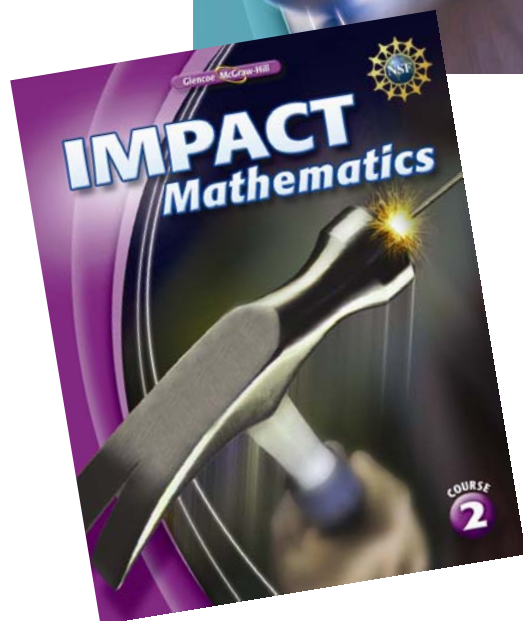


COURSE 1

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IMPACT
Mathematics



COURSE 2

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COURSE 3

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STANDARDS	PAGE REFERENCES		
	<i>Impact Mathematics Course 1</i>	<i>Impact Mathematics Course 2</i>	<i>Impact Mathematics Course 3</i>
Number and Operation			
Understand, apply, and be computationally fluent with multiplication and division of fractions and decimals	<p>Student Edition: 216-218, 219-221, 222-225, 226-232, 233-241, 242-244, 245-247, 248-250, 251-253, 254-256, 257-264</p> <p><i>Review and Self-Assessment</i> 283-287</p> <p>Teacher Guide: DU 228, 251; OSA 221, 223; RAL 225; TD 246</p>	<p>Student Edition: 16 #20, 28, 35-39, 155-156, 160-161, 163 #8-#10, 174-177, 178-181, 185-187, 188-193, 200-201, 202-206, 430 #24-#28, 473 #46-#51</p> <p>Teacher Guide: AA 163; DU 200; OSA 175; QQ 206; RN 160; SS 201; TD 175</p>	<p>Student Edition: 112-115, 119-122, 149-152, 159-161, 578, 584-588, 631-634, 639-641, 642-645, 651-654</p> <p><i>Review and Self-Assessment</i> 140-143</p> <p>Teacher Guide: AA 151; AE 161; DU 150, 644; OSA 594, 634; QQ 122; T 640</p>
Understand, apply, and be computationally fluent with rational numbers, including negative numbers	<p>Student Edition: 126-129, 130-132, 152-156, 200-204, 205-207, 216-218, 219-221, 245-247, 248-250</p> <p>Teacher Guide: DU 228, 251; OSA 127, 145, 221, 223; QQ 142; RAL 225; SS 129; TD 246</p>	<p>Student Edition: 126-127, 128-130, 131-133, 134-139, 148-153, 155-156, 157-159, 160-161, 165-168, 320-323, 324-327, 328-330</p> <p><i>Review and Self-Assessment</i> 169-171</p> <p>Teacher Guide: AA 329; E 154; MB 321; RAL 324; TD 155, 320; TT 135, 325</p>	<p>Student Edition: 146-148, 149-152, 156-158, 185-187, 188-191, 192-194, 195-199, 382, 404-407</p> <p><i>Review and Self-Assessment</i> 200-203</p> <p>Teacher Guide: AA 148; AE 151; DU 147, 187; E 195; MB 185; OSA 194; QQ 199; TT 194</p>

STANDARDS	PAGE REFERENCES		
	<i>Impact Mathematics Course 1</i>	<i>Impact Mathematics Course 2</i>	<i>Impact Mathematics Course 3</i>
Understand and apply ratio and rate, including percents, and connect ratio and rate to fractions and decimals	<p>Student Edition: 291-294, 294-296, 297-301, 302-307, 325-326, 327-331, 349-351, 352-357, 357-361</p> <p><i>Review and Self-Assessment</i> 341-345</p> <p>Teacher Guide: AA 358; DU 291; I 327; MB 292; OSA 291; QQ 307; RAL 296; T 294, 357</p>	<p>Student Edition: 369-372, 373-376, 382-387, 390-393, 495-496, 500-504, 530-533, 534-536, 537-539, 540-543</p> <p>Teacher Guide: AA 503; AE 536; DU 374, 509, 518; E 387; OSA 496, 514, 542; TD 535</p>	<p>Student Edition: 110-111, 112-115, 116-118, 119-122, 123-126, 127-129, 129-131, 132-133, 134-139</p> <p><i>Review and Self-Assessment</i> 140-143</p> <p>Teacher Guide: DU 116; MB 124, 127; OSA 118, 130; QQ 122; RAL 126; SS 115, 118, 129; TD 117</p>
Understand and apply proportional reasoning	<p>Student Edition: 308, 309-311, 312-313, 314-315, 316-320</p> <p><i>Review and Self-Assessment</i> 343</p> <p>Teacher Guide: AA 313, 318, 319; DU 310; E 312; I 308, 314; MB 308; OSA 315; QQ 320; RAL 313; TO 314; WHL 315</p>	<p>Student Edition: 505-507, 508-509, 510-513, 514-516, 517-518, 519-521, 522-529, 530-533, 534-536, 537-539</p> <p>Teacher Guide: AA 517, 521; DU 535; OSA 509; QQ 539; T 511, 515; TD 505</p>	<p>Student Edition: 2-3, 6-9, 10-11, 12-15, 16-23</p> <p><i>Review and Self-Assessment</i> 60-63</p> <p>Teacher Guide: DP 6; DU 8; DV 12; KV 3; QQ 23; RAL 7; SS 9, 12, 15; TT 7, 433</p>

STANDARDS	PAGE REFERENCES		
	<i>Impact Mathematics Course 1</i>	<i>Impact Mathematics Course 2</i>	<i>Impact Mathematics Course 3</i>
Understand, estimate, and represent real numbers, including common irrational numbers and use of scientific notation	<p>Student Edition: 46, 59-60, 61-63, 66-67, 68-73, 75-78, 79-81, 82-83, 84-87, 88-90, 91-93, 94-96, 97-99, 100-104</p> <p>Teacher Guide: DU 356; MB 46; ML 46; OSA 356; RAL 94, 99; TD 66; TT 89; WU 90</p>	<p>Student Edition: 178-181, 182-184, 185-187, 188-193, 319, 320-323, 331-335, 336-338, 339-342</p> <p>Teacher Guide: AA 341; AE 178; DU 338; I 331; ML 334; SS 335; T 333; TD 182; TT 336</p>	<p>Student Edition: 147-148, 149-152, 156-158, 159-161, 162-168, 185-187, 188-191, 192-193, 194-199</p> <p><i>Review and Self-Assessment</i> 200-203</p> <p>Teacher Guide: MB 185; ML 157; QQ 168, 199; RAL 193; T 149; TD 156; TT 151, 186</p>
Algebra			
Write, interpret, and use mathematical expressions, find equivalent forms, and relate such symbolic representations to verbal and tabular representations	<p>Student Edition: 532-533, 536-538, 539-540, 541-545, 546, 547-549, 550-551, 552-554, 555-559</p> <p>Teacher Guide: AA 538; AE 554; DU 537, 549; MB 536; QQ 545, 559; TD 532, 552; UF 547; V 536; WU 548</p>	<p>Student Edition: 9-11, 12-16, 21-29, 32-34, 35-39, 40-42, 43-48, 51-55, 56-59, 60-62, 63-68, 480, 481</p> <p><i>Review and Self-Assessment</i> 69-71</p> <p>Teacher Guide: DU 16; I 9, 32, 56, 60; QQ 48, 68; RAL 7, 16, 33; T 10</p>	<p>Student Edition: 206, 207-209, 210-213, 214-215, 216-218, 219-223, 224, 225-228, 229-230, 230-233</p> <p>Teacher Guide: DU 212; OSA 209, 218; QQ 223; RAL 207; SS 213, 228; TD 206, 210; TT 224</p>

STANDARDS	PAGE REFERENCES		
	<i>Impact Mathematics Course 1</i>	<i>Impact Mathematics Course 2</i>	<i>Impact Mathematics Course 3</i>
Understand and apply proportionality	<p>Student Edition: 308, 309-311, 312-313, 314-315, 316-320 <i>Review and Self-Assessment</i> 343</p> <p>Teacher Guide: AA 313, 318, 319; DU 310; E 312; I 308, 314; MB 308; OSA 315; QQ 320; RAL 313; TO 314; WHL 315</p>	<p>Student Edition: 373-376, 377-379, 380-381, 382-388, 389, 390-393, 394-397, 398-401, 402-408 <i>Review and Self-Assessment</i> 431-433</p> <p>Teacher Guide: DR 373; DU 374; OSA 379; PR 377; QC 408; QQ 388; SS 379; T 390; TD 378; WU 376, 378, 398</p>	<p>Student Edition: 2-3, 6-9, 10-11, 12-15, 16-23 <i>Review and Self-Assessment</i> 60-63</p> <p>Teacher Guide: DP 6; DU 8; DV 12; KV 3; QQ 23; RAL 7; SS 9, 12, 15; TT 7, 433</p>
Understand, solve, and apply linear equations and inequalities	<p>Student Edition: 534, 535-536, 536-538, 541-545, 547-549, 552-554, 560-562, 563-565, 566-567, 568-572 <i>Review and Self-Assessment</i> 573-575</p> <p>Teacher Guide: DU 537; E 534, 564; MB 560; QQ 572; SS 563; TD 567; WU 562</p>	<p>Student Edition: 437-439, 440-443, 444-445, 447-448, 449-452, 453-454, 455-459, 462-463, 464-465, 466-468, 469-473, 474-476, 481-483, 484-488 <i>Review and Self-Assessment</i> 489-491</p> <p>Teacher Guide: MB 462; OSA 466; QQ 445, 459, 473, 488; SS 454</p>	<p>Student Edition: 312-316, 317-321, 322-324, 325, 326-328, 328-330, 331-333, 334-336, 337-341 <i>Review and Self-Assessment</i> 367-371</p> <p>Teacher Guide: DU 317; QQ 324; RAL 327; SS 316; T 330; TD 315, 320, 325</p>

STANDARDS	PAGE REFERENCES		
	<i>Impact Mathematics Course 1</i>	<i>Impact Mathematics Course 2</i>	<i>Impact Mathematics Course 3</i>
Understand and apply linear functions	<p>Student Edition: The following page numbers apply <i>linear functions</i> without using the term. 560-562, 563-565, 566-567, 568-572 <i>Review and Self-Assessment</i> 573-575</p> <p>Teacher Guide: AA 574; DU 567; E 564; QQ 572; TD 567</p>	<p>Student Edition: 410, 411-413, 414-416, 420-422, 423-430, 488 #55-#57 <i>Review and Self-Assessment</i> 431-433</p> <p>Teacher Guide: DU 411, 412, 415, 420, 421; QC 408; SF 417; T 413, 507</p>	<p>Student Edition: 524-525, 526-527, 528-532, 561-563, 564 #1, 565 #8</p> <p>Teacher Guide: AA 526; DU 526; E 561, 565; I 524; MB 522B, 532; QQ 571; SS 532; T 528; TD 525; TT 522D, 524</p>
Use tables and graphs to analyze systems of linear equations	<p>Student Edition: See <i>Impact Math Course 2</i> 375, 376, 377, 383, 384 #4, 387, 391, 392 #11-#12, 395, 396, 400, 403 #3, 404, 405, 407 <i>Review and Self-Assessment</i> 431-433</p> <p>Teacher Guide: AA 383, 384, 403; DG 396; DU 375; PR 377; RAL 500; SS 376; T 376; TD 391</p>	<p>Student Edition: 375, 376, 377, 383, 384 #4, 387, 391, 392 #11-#12, 395, 396, 400, 403 #3, 404, 405, 407 <i>Review and Self-Assessment</i> 431-433</p> <p>Teacher Guide: AA 383, 384, 403; DG 396; DU 375; PR 377; RAL 500; SS 376; T 376; TD 391</p>	<p>Student Edition: 342, 343-345, 346-348, 349-351, 352-355, 361-366 <i>Review and Self-Assessment</i> 367-371</p> <p>Teacher Guide: AA 361; DU 347; E 342; OSA 354; QQ 366; RAL 343; T 345, 351; TD 348, 350, 352</p>

STANDARDS	PAGE REFERENCES		
	<i>Impact Mathematics Course 1</i>	<i>Impact Mathematics Course 2</i>	<i>Impact Mathematics Course 3</i>
Geometry and Measurement			
Understand, determine, and apply area of polygons	<p>Student Edition: 398, 399-401, 402-404, 405-408, 409, 410-412, 413-415, 416-418, 425-433</p> <p><i>Review and Self-Assessment</i> 462-465</p> <p>Teacher Guide: CSU 399; DU 410, 417; E 409; PSA 412; QQ 433; TT 401</p>	<p>Student Edition: 216, 223 #6-#7, 230-233, 235-237, 313 #9-#10, 331, 332, 488 #58-#59</p> <p>Teacher Guide: AA 223; DU 216; E 237; I 331; TD 332</p>	<p>Student Edition: 206, 207-209, 214-215, 219-223, 224, 225, 535-537, 545 #23</p> <p><i>Review and Self-Assessment</i> 573 #7</p> <p><i>Think and Discuss</i> 210-211</p> <p>Teacher Guide: AA 221; AE 209; AH 214; RAL 207; TD 206, 210; TT 224, 535, 536</p>
Understand and apply similarity, with connections to proportion	<p>Student Edition: 321, 325-326, 327-331, 332-334, 335-340</p> <p><i>Review and Self-Assessment</i> 341-345</p> <p>Teacher Guide: AE 329; DU 325; I 321; ISP 332; OSA 328; QQ 340; SS 326, 331; T 334</p>	<p>Student Edition: 517-518, 519-521, 525, 526, 527</p> <p><i>Review and Self-Assessment</i> 552, 554</p> <p>Teacher Guide: AA 517, 521, 526; DU 518; E 517; I 519; S 517; SS 518</p>	<p>Student Edition: 264 #3</p> <p>For more references of similarity see <i>Impact Math Course 2</i></p> <p>Student Edition: 517-518, 519-521, 525, 526, 527</p> <p><i>Review and Self-Assessment</i> 552, 554</p> <p>Teacher Guide: AA 517, 521, 526; DU 518; E 517; I 519; S 517; SS 518</p>

STANDARDS	PAGE REFERENCES		
	<i>Impact Mathematics Course 1</i>	<i>Impact Mathematics Course 2</i>	<i>Impact Mathematics Course 3</i>
Geometry and Measurement			
Understand, determine, and apply surface areas and volume of prisms and cylinders and circumference and area of circles	<p>Student Edition: 44-47, 419-421, 434, 435-437, 437-440, 444-448, 449, 450-453, 454-456</p> <p><i>Review and Self-Assessment</i> 462-465</p> <p>Teacher Guide: AC 419; E 445; QQ 448, 461; RAL 435; SS 421; T 439</p>	<p>Student Edition: 212-215, 216-219, 220-222, 223-227, 229-230, 231-232, 233-234, 235-239, 277 #14-#16, 338 #13</p> <p><i>Review and Self-Assessment</i> 256-259</p> <p>Teacher Guide: DU 216, 231, 234, 338; I 230; RAL 232; T 233; TD 212</p>	<p>Student Edition: 171, 538-539, 548 #38</p> <p><i>Review and Self-Assessment</i> 575</p> <p>Teacher Guide: AS 538; DU 171; TO 538</p>
Analyze two-dimensional space and figures by using distance, angle, coordinates, and transformations	<p>Student Edition: 8-11, 16-17, 24, 25-29, 30-34, 35-39, 40-43, 44-47, 503 #3, 515-518, 519-521, 522-523, 524-527</p> <p><i>Review and Self-Assessment</i> 531</p> <p>Teacher Guide: AA 35; OSA 515; RAL 42, 45; TD 515; TS 16</p>	<p>Student Edition: 343-346, 347-350, 351-354, 355-360</p> <p><i>Review and Self-Assessment</i> 361-365</p> <p><i>Share and Summarize</i> 419</p> <p>Teacher Guide: AA 350; DU 344, 346; E 357; QQ 360; T 346, 350; TA 353</p>	<p>Student Edition: 87-90, 91-93, 94-95, 259, 261-262, 263-265, 274-276, 277-278, 279-281, 285-288, 288-289, 294-298</p> <p>Teacher Guide: KV 259; OSA 92; RAL 89, 264, 278; T 298; TD 87</p>

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	<i>Impact Mathematics Course 1</i>	<i>Impact Mathematics Course 2</i>	<i>Impact Mathematics Course 3</i>
Geometry and Measurement			
Visualize, represent, and describe three-dimensional shapes	Student Edition: 434, 441-443, 447 Teacher Guide: AA 443, 447; QQ 448; RAL 442; TT 434, 441, 443	Student Edition: 210-211, 212, 217, 218, 221, 228, 229-230, 237 #14-#16 <i>Think & Discuss</i> 213 Teacher Guide: AP 212A; DU 216, 218, 229; I 210, 213; KCN 211; OSA 212; RAL 232; TA 221; TD 212	Student Edition: 283 #6 Student Edition: For more references see <i>Impact Math Course 2</i> 210-211, 212, 217, 218, 221, 228, 229-230, 237 #14-#16 <i>Think & Discuss</i> 213 Teacher Guide: AP 212A; DU 216, 218, 229; I 210, 213; KCN 211; OSA 212; RAL 232; TA 221; TD 212
Data Analysis and Probability			
Understand, interpret, determine, and apply measures of center and graphical representations of data	Student Edition: 265-268, 269-271, 272-275, 276-282, 579-580, 581-584, 585-587, 588-591, 592-600, 609-610 <i>Review and Self-Assessment</i> 286 Teacher Guide: DU 270, 273, 586; MM 272; OSA 267; QC 599; QQ 282; TT 58	Student Edition: 162-164, 166, 281, 295-298, 299-301, 302-305, 306-308, 309-313 <i>Review and Self-Assessment</i> 170 #16-#20, 316 #9, #15 Teacher Guide: DU 163, 299, 304; E 300; I 302; OSA 164, 299; RAL 162; SS 164; T 162, 300; WU 305	Student Edition: 74-78, 85, 603, 608-612, 613-621 <i>Share and Summarize</i> 591 Teacher Guide: AA 604; DU 603, 609; OSA 76, 612; QQ 621; RAL 609; SS 591; T 77, 78, 611; TT 603

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	<i>Impact Mathematics Course 1</i>	<i>Impact Mathematics Course 2</i>	<i>Impact Mathematics Course 3</i>
Understand and represent simple probabilistic situations	<p>Student Edition: 576-577, 617, 618-620, 621-625, 626-627, 628-632, 633-637, 639-641, 648-653 <i>Review and Self-Assessment</i> 654-657</p> <p>Teacher Guide: KV 577; MB 576B, 622; ML 618; OSA 619; PEL 618; QQ 637; SS 620, 625; TD 617, 622</p>	<p>Student Edition: 262-263, 264-267, 268-269, 270-271, 272-277 <i>Review and Self-Assessment</i> 314, 317</p> <p>Teacher Guide: DU 263, 265, 268; E 271; RAL 266, 267; SS 264, 267; T 269; WU 269</p>	<p>Student Edition: 576-577, 578, 579-580, 581-584, 584-588, 588-591, 592-594, 595-601 <i>Review and Self-Assessment</i> 622-625</p> <p>Teacher Guide: DU 582; FL 577; MB 576B; OSA 594; QQ 601; SS 584; T 587; TD 578</p>
Use proportions and percentages to analyze data and chance	<p>Student Edition: 308, 312-313, 348, 351, 355, 358-361, 362-367, 588-591, 618-620, 626-627</p> <p>Teacher Guide: AA 627; DU 351, 355; E 318; ML 618; OSA 315; QQ 320; RAL 313; TD 348; TO 314</p>	<p>Student Edition: 292 #17, 311, 530-533, 534-536, 537-539 <i>Review and Self-Assessment</i> 316 #12-#14</p> <p>Teacher Guide: AA 532, 535, 538; AE 536; CS 530; DU 531; O 530A; OSA 531; PP 534; QQ 539; RAL 532, 533; T 536; TD 535</p>	<p>Student Edition: 110-111, 112-115, 116-118, 119-122, 123-126, 129-131, 132-133, 134-139, 608-612, 614 #4 <i>Review and Self-Assessment</i> 140-143</p> <p>Teacher Guide: DU 116; OSA 118; QQ 122; RAL 126; SS 118, 131</p>

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	<i>Impact Mathematics Course 1</i>	<i>Impact Mathematics Course 2</i>	<i>Impact Mathematics Course 3</i>
Analyze and summarize data sets, including initial analysis of variability	<p>Student Edition: 579-580, 581-584, 585-587, 588-591, 592-600, 601, 602-604, 605-606, 611-616</p> <p>Teacher Guide: AA 602; DU 586, 605; I 601; OSA 604; QQ 616; T 604, 606; TD 602; TT 603; WU 610</p>	<p>Student Edition: 279-280, 280-282, 283-285, 286-293, 295-298, 302-305, 306-308, 309-313</p> <p><i>Review and Self-Assessment</i> 314-316</p> <p>Teacher Guide: DU 279, 296, 297, 298, 304, 307; OSA 284; SS 282, 298</p>	<p>Student Edition: 121 #21, 123-126, 134-138, 602-604, 605-608, 608-612, 613-621</p> <p><i>Review and Self-Assessment</i> 622-625</p> <p>Teacher Guide: AA 132, 604; DU 604, 606, 607; RAL 603, 609; SS 604, 608; TD 602, 605; WU 604, 606</p>
Understand, compute, and estimate simple probabilities using counting strategies and simulation	<p>Student Edition: 618-620, 621-625, 626-627, 628-632, 633-637, 639-641, 642-647, 648-653</p> <p><i>Review and Self-Assessment</i> 654-657</p> <p>Teacher Guide: DU 621, 643; OSA 619; PEL 618; RAL 623, 644; SS 620; T 620, 642; TP 621; TT 630</p>	<p>Student Edition: 262-263, 264-267, 268-269, 270-271, 272-277</p> <p><i>Review and Self-Assessment</i> 314, 317</p> <p>Teacher Guide: AA 271; DU 263, 265, 268; E 271; ML 267; MP 270; RAL 265, 266, 267; SS 264, 267; T 269; WU 269</p>	<p>Student Edition: 576-577, 578, 579-580, 581-584, 584-588, 588-591, 592-594, 595-601</p> <p><i>Review and Self-Assessment</i> 622-625</p> <p>Teacher Guide: DU 582; FL 577; KV 577; MB 576B, 583; RAL 580, 581; T 579, 584; TD 578; TT 585; WU 581</p>