

North Dakota Department of Public Instruction
2013 NDSA Content Standards/Benchmarks Mapping

Mathematics Grades 3 to 8, 11

	Standard Title
1st Content Standard reported	Standard 1: Number and Operation
2nd Content Standard reported	Standard 2: Geometry and Spatial Sense
3rd Content Standard reported	Standard 3: Data Analysis, Statistics, Probability
4th Content Standard reported	Standard 4: Measurement
5th Content Standard reported	Standard 5: Algebra, Functions, and Patterns

Reading Grades 3 to 8, 11

	Standard Title
1st Content Standard reported	Standard 1: Engage in the research process
2nd Content Standard reported	Standard 2: Engage in the reading process

Language Arts Grades 3 to 8, 11

	Standard Title
1st Content Standard reported	Standard 3: Engage in the writing process
2nd Content Standard reported	Standard 6: Understand & use princ. of lang

Science Grades 4, 8, 11

	Combined Content and Content Standard Title	Grades
1 st Combined Standard reported	A. SCIENCE CONCEPTS AND INQUIRY	4, 8, 11
1st Content Standard reported	Standard 1: Unifying Concepts	4, 8, 11
2nd Content Standard reported	Standard 2: Science Inquiry	4, 8, 11
2 nd Combined Standard reported	B. PHYSICAL SCIENCE	4, 8, 11
3 rd Content Standard reported	Standard 3: Physical Science	4, 8, 11
3 rd Combined Standard reported	C. LIFE SCIENCE	4, 8, 11
4th Content Standard reported	Standard 4: Life Science	4, 8, 11
4 th Combined Standard reported	D. EARTH AND SPACE SCIENCE	4, 8, 11
5th Content Standard reported	Standard 5: Earth and Space Science	4, 8, 11
5 th Combined Standard reported	E. SCIENCE AND CULTURE	4, 8, 11
6th Content Standard reported	Standard 6: Science and Technology	4, 8, 11
7th Content Standard reported	Standard 7: Science and Other Areas	4, 8, 11
8th Content Standard reported	Standard 8: History and Nature of Science	4, 8, 11

Gr.	Content		Content Standards Benchmarks	Points	Items
3	Reading	01	Standard 1: Engage in the research process	6	6
	1 st benchmark reported	2.02	2.2 List questions related to a topic	3	3
	2 nd benchmark reported	2.03	2.3 Use reference tools to get information	3	3
			<i>Items aligned at the Standard level</i>	0	0
3	Reading	02	Standard 2: Engage in the reading process	51	49
	3 rd benchmark reported	2.02	2.2 Describe the elements of a fiction text	6	6
	4 th benchmark reported	2.03	2.3 Describe features of a non-fiction text	1	1
	5 th benchmark reported	2.04	2.4 Know, apply letter/sound relationship	3	3
	6 th benchmark reported	2.07	2.7 Recall/retell detail/events in sequence	10	10
	7 th benchmark reported	2.08	2.8 Relate text-to-self, text, world	2	2
	8 th benchmark reported	2.09	2.9 Use strategies to monitor comprehension	5	5
	9 th benchmark reported	2.10	2.10 Use strategies to improve comprehension	18	16
	10 th benchmark reported	2.11	2.11 Locate main idea & supporting details	4	4
	11 th benchmark reported	2.12	2.12 Use meaning, syntax & phonics clues	2	2
			<i>Items aligned at the Standard level</i>	0	0
3	Language	03	Standard 3: Engage in the writing process	32	25
	1 st benchmark reported	2.03	2.3 Select a plan to organize thoughts	3	3
	2 nd benchmark reported	2.04	2.4 Use specific genre to match the purpose	2	2
	3 rd benchmark reported	2.06	2.6 Incorporate vocabulary in writing	1	1
	4 th benchmark reported	2.08	2.8 ID, include characteristics of genres	4	2
	5 th benchmark reported	2.09	2.9 Check written work for meaning & syntax	5	5
	6 th benchmark reported	2.10	2.10 Analyze writing for ideas/word choice	11	11
	7 th benchmark reported	2.13	2.13 Compose text for purpose, understanding	6	1
			<i>Items aligned at the Standard level</i>	0	0
3	Language	06	Standard 6: Understand & use princ. of lang.	35	30
	8 th benchmark reported	2.01	2.1 Use sentences to convey a message	1	1
	9 th benchmark reported	2.02	2.2 Use grade-appropriate parts of speech	6	6
	10 th benchmark reported	2.03	2.3 Recognize subject & predicate	5	5
	11 th benchmark reported	2.04	2.4 Use grade-appropriate capitalization	4	4
	12 th benchmark reported	2.05	2.5 Use grade-appropriate punctuation	4	4
	13 th benchmark reported	2.06	2.6 Use principles of spelling	11	8
			<i>Items aligned at the Standard level</i>	4	2
4	Reading	01	Standard 1: Engage in the research process	4	4
	1 st benchmark reported	3.02	3.2 Generate questions on research topic	1	1
	2 nd benchmark reported	3.04	3.4 Use relevant resources for information	2	2
	3 rd benchmark reported	3.05	3.5 Identify accurate information	1	1
			<i>Items aligned at the Standard level</i>	0	0
4	Reading	02	Standard 2: Engage in the reading process	56	54
	4 th benchmark reported	3.01	3.1 Identify the elements of a fiction text	6	6
	5 th benchmark reported	3.02	3.2 ID characteristics of expository text	5	5
	6 th benchmark reported	3.04	3.4 Use gloss./table of cont./index for info.	3	3
	7 th benchmark reported	3.05	3.5 Use word recog. strategies for meaning	7	7
	8 th benchmark reported	3.06	3.6 Use word reference aids for meaning	2	1
	9 th benchmark reported	3.07	3.7 Use strategies to increase comprehension	26	26
	10 th benchmark reported	3.10	3.10 Reflect, respond to various texts	7	6

Gr.	Content		Content Standards Benchmarks	Points	Items
			<i>Items aligned at the Standard level</i>	0	0
4	Language	03	Standard 3: Engage in the writing process	42	34
	1 st benchmark reported	3.01	3.1 Select ideas, info. for various purposes	2	2
	2 nd benchmark reported	3.02	3.2 State, organize knowledge for text	7	6
	3 rd benchmark reported	3.04	3.4 Use a variety of sentence structures	3	3
	4 th benchmark reported	3.05	3.5 Develop paragraph with topic sentences	13	13
	5 th benchmark reported	3.06	3.6 Incorporate vocabulary in writing	2	2
	6 th benchmark reported	3.07	3.7 Review organization to improve meaning	4	4
	7 th benchmark reported	3.09	3.9 Use reference tools to edit writing	1	1
	8 th benchmark reported	3.10	3.10 Compose text for understanding	4	2
			<i>Items aligned at the Standard level</i>	6	1
4	Language	06	Standard 6: Understand & use princ. of lang.	23	21
	9 th benchmark reported	3.01	3.1 Use parts of speech	5	5
	10 th benchmark reported	3.02	3.2 Use subject, predicate	6	6
	11 th benchmark reported	3.03	3.3 Use verb tenses	2	2
	12 th benchmark reported	3.04	3.4 Use capitalization	1	1
	13 th benchmark reported	3.05	3.5 Use conventions of punctuation	8	6
	14 th benchmark reported	3.07	3.7 Use figurative language	1	1
			<i>Items aligned at the Standard level</i>	0	0
5	Reading	01	Standard 1: Engage in the research process	12	10
	1 st benchmark reported	4.02	4.2 Use relevant materials to access info.	4	4
	2 nd benchmark reported	4.03	4.3 Use criteria to evaluate the accuracy	2	2
	3 rd benchmark reported	4.04	4.4 Use note-taking to organize information	5	3
			<i>Items aligned at the Standard level</i>	1	1
5	Reading	02	Standard 2: Engage in the reading process	48	46
	4 th benchmark reported	4.02	4.2 Compare, contrast fiction charact	3	2
	5 th benchmark reported	4.03	4.3 Compare and contrast texts	2	2
	6 th benchmark reported	4.04	4.4 Determine elements of fiction text	4	4
	7 th benchmark reported	4.05	4.5 Determine expository text charact	2	2
	8 th benchmark reported	4.06	4.6 Use word recog. strategies for meaning	8	8
	9 th benchmark reported	4.07	4.7 Use resources to determine word meaning	1	1
	10 th benchmark reported	4.08	4.8 Use text comprehension strategies	24	24
	11 th benchmark reported	4.10	4.10 Use reading for a variety of purposes	2	2
	12 th benchmark reported	4.11	4.11 Respond to text: various genres/cultures	2	1
			<i>Items aligned at the Standard level</i>	0	0
5	Language	03	Standard 3: Engage in the writing process	37	25
	1 st benchmark reported	4.01	4.1 Determine message for purpose	1	1
	2 nd benchmark reported	4.02	4.2 Plan to organize thoughts	2	2
	3 rd benchmark reported	4.03	4.3 Use characteristics of different genres	3	1
	4 th benchmark reported	4.04	4.4 Develop ideas by writing 3 paragraphs	3	3
	5 th benchmark reported	4.05	4.5 Use indents/capitals/punct. in paragraphs	1	1
	6 th benchmark reported	4.06	4.6 Incorporate vocabulary in writing	1	1
	7 th benchmark reported	4.07	4.7 Review organization to improve meaning	13	13
	8 th benchmark reported	4.09	4.9 Use proofreading marks to edit text	6	1
	9 th benchmark reported	4.10	4.10 Use reference tools to edit writing	1	1

Gr.	Content		Content Standards Benchmarks	Points	Items
		4.11	4.11 Compose text for understanding	6	1
			<i>Items aligned at the Standard level</i>	0	0
5	Language	06	Standard 6: Understand & use princ. of lang.	29	29
		4.01	4.1 Use parts of speech	8	8
		4.02	4.2 Use subject, predicate	6	6
		4.03	4.3 Use appropriate verb tenses	5	5
		4.04	4.4 Use capitalization	1	1
		4.05	4.5 Use conventions of punctuation	5	5
		4.06	4.6 Use principles of spelling	4	4
			<i>Items aligned at the Standard level</i>	0	0
6	Reading	01	Standard 1: Engage in the research process	7	7
		5.02	5.2 Plan & use a research strategy	1	1
		5.03	5.3 Use relevant resources for information	4	4
		5.06	5.6 Create charts, outlines, graphs to org	2	2
			<i>Items aligned at the Standard level</i>	0	0
6	Reading	02	Standard 2: Engage in the reading process	55	48
		5.02	5.2 Analyze the elements of a fiction text	7	7
		5.03	5.3 Analyze expository text charact	2	2
		5.04	5.4 Compare, contrast fict characteristics	1	1
		5.05	5.5 Compare, contrast nonfiction charact	5	1
		5.06	5.6 Use word recog strategies for meaning	3	3
		5.07	5.7 Use references: determine word meaning	2	2
		5.08	5.8 Use text comprehension strategies	35	32
			<i>Items aligned at the Standard level</i>	0	0
6	Language	03	Standard 3: Engage in the writing process	39	31
		5.01	5.1 Plan text to inform, entertain, persuade	4	3
		5.02	5.2 Plan text using various techniques	1	1
		5.03	5.3 Write using selected genre charact	6	1
		5.04	5.4 Organize, develop 5 paragraphs	3	3
		5.05	5.5 Use proper paragraph form, transitions	1	1
		5.07	5.7 Review, monitor topic organization	19	19
		5.09	5.9 Use proofreading marks to edit	3	1
		5.10	5.10 Use reference tools for writing	2	2
			<i>Items aligned at the Standard level</i>	0	0
6	Language	06	Standard 6: Understand & use princ. of lang.	26	25
		5.01	5.1 Use parts of speech	4	4
		5.02	5.2 Use subject, predicate	4	4
		5.03	5.3 Use grammar convent re: parts of speech	12	12
		5.04	5.4 Use capitalization	1	1
		5.05	5.5 Use conventions of punctuation	1	1
		5.06	5.6 Use principles of spelling	1	1
		5.07	5.7 Use, interpret figurative language	3	2
			<i>Items aligned at the Standard level</i>	0	0
7	Reading	01	Standard 1: Engage in the research process	9	8

Gr.	Content		Content Standards Benchmarks	Points	Items
		6.01	6.1 Pose relevant research questions	2	2
		6.02	6.2 Use sources appropriate for purpose	4	4
		6.03	6.3 Differentiate accurate, inaccurate info.	3	2
			<i>Items aligned at the Standard level</i>	0	0
7	Reading	02	Standard 2: Engage in the reading process	51	47
		6.01	6.1 ID fiction genre characteristics	1	1
		6.02	6.2 ID nonfiction genre characteristics	2	2
		6.03	6.3 Use word recog. strategies for meaning	7	7
		6.04	6.4 Use graphic organizers & summarizing	18	15
		6.05	6.5 Use prior knowledge to comprehend	2	2
		6.06	6.6 Read for a variety of purposes	2	2
		6.08	6.8 Identify literary elements	11	11
		6.09	6.9 Identify figurative language	8	7
			<i>Items aligned at the Standard level</i>	0	0
7	Language	03	Standard 3: Engage in the writing process	49	35
		6.03	6.3 Produce persuasive writing	3	1
		6.05	6.5 Use strategies for different purposes	2	2
		6.07	6.7 Use grade appropriate vocabulary	2	2
		6.08	6.8 Use criteria to evaluate writing	24	22
		6.10	6.10 Edit grammar, mechanics, usage, spelling	12	7
			<i>Items aligned at the Standard level</i>	6	1
7	Language	06	Standard 6: Understand & use princ. of lang.	21	21
		6.01	6.1 Use grade appropriate sentence structure	10	10
		6.02	6.2 Use grade appropriate grammar	5	5
		6.03	6.3 Use grade appropriate mechanics, usage	3	3
		6.04	6.4 Identify and use figurative language	3	3
			<i>Items aligned at the Standard level</i>	0	0
8	Reading	01	Standard 1: Engage in the research process	10	8
		7.01	7.1 Generate, evaluate relevant questions	1	1
		7.02	7.2 Use variety of sources for information	1	1
		7.03	7.3 Question info. accuracy, relevance	7	5
		7.04	7.4 Organize research information	1	1
			<i>Items aligned at the Standard level</i>	0	0
8	Reading	02	Standard 2: Engage in the reading process	51	47
		7.01	7.1 Differentiate fiction from nonfiction	1	1
		7.02	7.2 Use graphic organizers	18	16
		7.03	7.3 Generate and revise predictions	5	5
		7.04	7.4 Use prior knowledge and expertise	3	3
		7.07	7.7 Identify literary elements	13	11
		7.08	7.8 Locate figurative language in texts	2	2
		7.09	7.9 Identify sound devices in literary texts	1	1
		7.10	7.10 Relate literature, history, culture	1	1
		7.11	7.11 Use vocab. building skills, strategies	7	7
			<i>Items aligned at the Standard level</i>	0	0
8	Language	03	Standard 3: Engage in the writing process	35	26

Gr.	Content		Content Standards Benchmarks	Points	Items
		7.02	7.2 Produce narrative writing	6	2
		7.04	7.4 Use strategies for different purposes	4	4
		7.07	7.7 Use criteria to evaluate writing	1	1
		7.08	7.8 Use feedback, multiple drafts to revise	15	15
		7.09	7.9 Edit grammar, mechanics, usage, spelling	3	3
			<i>Items aligned at the Standard level</i>	6	1
8	Language	06	Standard 6: Understand & use princ. of lang.	29	29
		7.01	7.1 Use grade appropriate grammar	6	6
		7.02	7.2 Use sentence structure	18	18
		7.03	7.3 Use grade appropriate mechanics, usage	3	3
			<i>Items aligned at the Standard level</i>	2	2
11	Reading	01	Standard 1: Engage in the research process	10	8
		10.02	10.2 Search databases effectively	2	2
		10.03	10.3 Gather reliable info to support thesis	3	3
		10.04	10.4 Use relevant information	1	1
		10.06	10.6 Cite sources using MLA/APA style sheet	3	1
		10.07	10.7 Paraphrase information	1	1
			<i>Items aligned at the Standard level</i>	0	0
11	Reading	02	Standard 2: Engage in the reading process	51	46
		09.14	9.14 Use de/encoding, connotation, denotation	3	3
		09.15	9.15 Build vocabulary by reading variety	4	4
		10.01	10.1 Summarize information from nonfiction	9	9
		10.02	10.2 Identify persuasive writing techniques	1	1
		10.04	10.4 ID author's use of figurative language	7	5
		10.05	10.5 Analyze literary elements	15	12
		10.06	10.6 Analyze author's use of mood	4	4
		10.07	10.7 Apply universal themes to real life	2	2
		11.01	11.1 ID literary forms, genres	1	1
		11.03	11.3 Analyze nonfiction details, facts	2	2
		11.08	11.8 Analyze use: poetic license/dialogue	2	2
			<i>Items aligned at the Standard level</i>	1	1
11	Language	03	Standard 3: Engage in the writing process	46	39
		10.02	10.2 Defend a personal opinion using facts	2	1
		10.04	10.4 Organize ideas and details by purpose	8	3
		10.05	10.5 Use grade-level vocab. to elaborate ideas	1	1
		10.07	10.7 Use a variety of supporting details	5	4
		10.11	10.11 Edit, revise compositions: content	11	11
		10.12	10.12 Edit, revise: consistent point of view	2	2
		10.13	10.13 Use structure to edit, revise	5	5
		10.14	10.14 Use sentence reduction techniques	7	7
		11.07	11.7 Edit, revise for standard conventions	5	5
			<i>Items aligned at the Standard level</i>	0	0
11	Language	06	Standard 6: Understand & use princ. of lang.	17	17
		10.01	10.1 Use grammar conventions	14	14
		10.02	10.2 Analyze figurative language	1	1

Gr.	Content		Content Standards Benchmarks	Points	Items
			<i>Items aligned at the Standard level</i>	2	2
3	Math	01	Standard 1: Number and Operation	26	25
1 st benchmark reported		2.01	2.1 Count, order numbers up to 1,000	2	2
2 nd benchmark reported		2.02	2.2 Count backwards from 100	1	1
3 rd benchmark reported		2.03	2.3 Count by 2's, 5's, and 10's	1	1
4 th benchmark reported		2.04	2.4 Identify, write numbers to 1,000	1	1
5 th benchmark reported		2.05	2.5 Connect number words and numerals	1	1
6 th benchmark reported		2.06	2.6 Differentiate odd from even numbers	2	2
7 th benchmark reported		2.07	2.7 Identify place value, hundreds place	2	2
8 th benchmark reported		2.08	2.8 Compare whole numbers to 1,000	1	1
9 th benchmark reported		2.09	2.9 Round to tens, hundreds	2	2
10 th benchmark reported		2.10	2.10 Use terms addend, sum, difference	1	1
11 th benchmark reported		2.11	2.11 Represent, explain fractions	1	1
12 th benchmark reported		2.12	2.12 Solve addition, subtraction problems	2	2
13 th benchmark reported		2.13	2.13 Demonstrate inverse add, subtract	1	1
14 th benchmark reported		2.14	2.14 Model multiplication using objects	4	3
15 th benchmark reported		2.15	2.15 Add, subtract without regrouping	2	2
16 th benchmark reported		2.16	2.16 Recall addition, subtraction facts	1	1
17 th benchmark reported		2.17	2.17 Estimate sums, differences	1	1
			<i>Items aligned at the Standard level</i>	0	0
3	Math	02	Standard 2: Geometry and Spatial Sense	6	6
18 th benchmark reported		2.01	2.1 Recognize geometric shapes	1	1
19 th benchmark reported		2.02	2.2 Identify, describe 3-dimensional object	1	1
20 th benchmark reported		2.03	2.3 Predict results of combining shapes	1	1
21 st benchmark reported		2.04	2.4 Identify symmetrical shapes	3	3
			<i>Items aligned at the Standard level</i>	0	0
3	Math	03	Standard 3: Data Analysis, Statistics, Probability	9	7
22 nd benchmark reported		2.01	2.1 Sort, classify objects by attributes	1	1
23 rd benchmark reported		2.02	2.2 Demonstrate ways to represent data	2	2
24 th benchmark reported		2.03	2.3 Answer questions from data in graphs	3	3
25 th benchmark reported		2.04	2.4 Make predictions based upon data	3	1
			<i>Items aligned at the Standard level</i>	0	0
3	Math	04	Standard 4: Measurement	11	10
26 th benchmark reported		2.02	2.2 Distinguish week days, weekend days	1	1
27 th benchmark reported		2.04	2.4 Count mixed coins to \$1.00	2	2
28 th benchmark reported		2.05	2.5 Estimate, measure to lb, kg	1	1
29 th benchmark reported		2.07	2.7 Estimate, measure length	2	2
30 th benchmark reported		2.08	2.8 Estimate, verify quantity	1	1
31 st benchmark reported		2.10	2.10 Approximate size of basic units	1	1
32 nd benchmark reported		2.11	2.11 Select appropriate measuring units	1	1
33 rd benchmark reported		2.12	2.12 Use dollar, cent symbols	2	1
			<i>Items aligned at the Standard level</i>	0	0
3	Math	05	Standard 5: Algebra, Functions, and Patterns	7	7
34 th benchmark reported		2.01	2.1 Extend, create number patterns	1	1

Gr.	Content		Content Standards Benchmarks	Points	Items
		2.02	2.2 State rule to describe patterns	2	2
		2.03	2.3 Solve equations for unknown variable	1	1
		2.05	2.5 Use number sentence, represent problem	3	3
			<i>Items aligned at the Standard level</i>	0	0
4	Math	01	Standard 1: Number and Operation	20	20
		3.01	3.1 Count, order numbers to 10,000	1	1
		3.02	3.2 Read, write numerals to 10,000	1	1
		3.03	3.3 Represent numbers to 10,000	1	1
		3.06	3.6 Use symbols to compare whole numbers	1	1
		3.08	3.8 Round to tens, hundreds, thousands	1	1
		3.09	3.9 Represent fractions, mixed numbers	1	1
		3.10	3.10 Explain concept of multiplication	1	1
		3.11	3.11 Explain concept of division	2	2
		3.12	3.12 Use variety of methods, tools	1	1
		3.13	3.13 Add, subtract whole numbers	3	3
		3.15	3.15 Apply multiplication property 0,1	1	1
		3.17	3.17 Divide by 1-digit number, no remainder	1	1
		3.18	3.18 Show inverse multiplication, division	1	1
		3.19	3.19 Add, subtract fractions	1	1
		3.20	3.20 Recall multiplication, division facts	2	2
		3.21	3.21 Estimate products, quotients	1	1
			<i>Items aligned at the Standard level</i>	0	0
4	Math	02	Standard 2: Geometry and Spatial Sense	9	8
		3.01	3.1 Compare attributes 2-dimensional shapes	3	2
		3.02	3.2 Describe characteristics solid shapes	1	1
		3.04	3.4 Identify right angles	2	2
		3.06	3.6 Identify, create lines of symmetry	2	2
		3.07	3.7 Identify congruent, similar shapes	1	1
			<i>Items aligned at the Standard level</i>	0	0
4	Math	03	Standard 3: Data Analysis, Statistics, Probability	12	10
		3.02	3.2 Display, interpret graphs	2	2
		3.03	3.3 Solve problems from data on graphs	6	6
		3.04	3.4 Recognize elements in Venn diagrams	3	1
		3.06	3.6 Determine most likely outcome	1	1
			<i>Items aligned at the Standard level</i>	0	0
4	Math	04	Standard 4: Measurement	10	10
		3.02	3.2 Determine elapsed time	1	1
		3.03	3.3 Count coins, bills	1	1
		3.05	3.5 Estimate, measure length	3	3
		3.07	3.7 Measure perimeter, area, volume	4	4
		3.08	3.8 Select tools for measuring	1	1
			<i>Items aligned at the Standard level</i>	0	0
4	Math	05	Standard 5: Algebra, Functions, and Patterns	8	7
		3.01	3.1 Use patterns to solve problems	2	2
		3.03	3.3 Determine missing elements of patterns	1	1

Gr.	Content		Content Standards Benchmarks	Points	Items
		3.04	3.4 Solve equations with unknown numbers	4	3
		3.05	3.5 Use symbols to write number sentences	1	1
			<i>Items aligned at the Standard level</i>	0	0
5	Math	01	Standard 1: Number and Operation	27	26
		4.01	4.1 Identify place value	1	1
		4.02	4.2 Order, compare using symbols	1	1
		4.03	4.3 Read, write numerals to 100,000	3	3
		4.04	4.4 Round whole numbers	1	1
		4.05	4.5 Represent numbers, standard, expanded	1	1
		4.06	4.6 Write tenths and hundredths as decimal	1	1
		4.07	4.7 Compare equivalent decimals, fractions	1	1
		4.08	4.8 Communicate mathematical terms	2	1
		4.10	4.10 Determine relevant information	1	1
		4.11	4.11 Use strategies to solve problems	3	3
		4.12	4.12 Add, subtract whole numbers to 100,000	2	2
		4.13	4.13 Multiply numbers by 2-digit number	1	1
		4.14	4.14 Divide by 1-digit number	1	1
		4.15	4.15 Add, subtract like fractions	4	4
		4.16	4.16 Add, subtract decimals	2	2
		4.19	4.19 Estimate computations	2	2
			<i>Items aligned at the Standard level</i>	0	0
5	Math	02	Standard 2: Geometry and Spatial Sense	8	8
		4.01	4.1 Analyze attributes 2, 3-dimension shape	4	4
		4.02	4.2 Identify, describe line relationships	1	1
		4.03	4.3 Recognize figure after transformation	1	1
		4.04	4.4 Show shapes are congruent, similar	2	2
			<i>Items aligned at the Standard level</i>	0	0
5	Math	03	Standard 3: Data Analysis, Statistics, Probability	12	10
		4.02	4.2 Collect and record data	2	2
		4.03	4.3 Display data in line, circle graphs	4	2
		4.04	4.4 Interpret data displayed in graphs	3	3
		4.06	4.6 Use number lines, coordinate graphs	1	1
		4.07	4.7 Conduct simple probability experiments	1	1
		4.09	4.9 Predict from probability experiments	1	1
			<i>Items aligned at the Standard level</i>	0	0
5	Math	04	Standard 4: Measurement	6	6
		4.01	4.1 Relate units in same measuring system	1	1
		4.02	4.2 Estimate, measure length to 1/4 inch	1	1
		4.04	4.4 Make change up to \$20	1	1
		4.05	4.5 Apply concept of elapsed time	3	3
			<i>Items aligned at the Standard level</i>	0	0
5	Math	05	Standard 5: Algebra, Functions, and Patterns	6	5
		4.01	4.1 Determine missing element in patterns	2	2
		4.02	4.2 Explain, variables represent unknowns	2	1
		4.03	4.3 Solve problems with variables	1	1

Gr.	Content		Content Standards Benchmarks	Points	Items
		4.04	4.4 Use parentheses in solving equations	1	1
			<i>Items aligned at the Standard level</i>	0	0
6	Math	01	Standard 1: Number and Operation	27	25
		5.01	5.1 Identify place value	1	1
		5.02	5.2 Order whole numbers using symbols	1	1
		5.03	5.3 Round whole numbers to nearest million	1	1
		5.04	5.4 Write numbers standard and expanded	3	3
		5.05	5.5 Place integers on number line	1	1
		5.09	5.9 Round, order decimals using symbols	2	2
		5.10	5.10 Explain, demonstrate percent	1	1
		5.11	5.11 Compare fraction, decimal, percent	1	1
		5.12	5.12 Represent ratios, percents using model	2	2
		5.14	5.14 Add, subtract whole numbers to 1,000,000	4	4
		5.19	5.19 Determine greatest common factor	1	1
		5.20	5.20 Simplify expressions	1	1
		5.21	5.21 Multiply numbers by 3-digit numbers	1	1
		5.22	5.22 Divide numbers by 2-digit numbers	1	1
		5.23	5.23 Add, subtract unlike fractions	3	1
		5.24	5.24 Add and subtract multi-digit decimals	2	2
		5.25	5.25 Multiply and divide decimals	1	1
			<i>Items aligned at the Standard level</i>	0	0
6	Math	02	Standard 2: Geometry and Spatial Sense	8	7
		5.01	5.1 Describe property 2, 3-dimension figure	2	2
		5.03	5.3 Draw angles using protractor	2	1
		5.05	5.5 Determine characteristic points, lines	1	1
		5.06	5.6 Use ordered pairs in coordinate grid	2	2
		5.07	5.7 Describe properties of congruent figures	1	1
			<i>Items aligned at the Standard level</i>	0	0
6	Math	03	Standard 3: Data Analysis, Statistics, Probability	7	5
		5.01	5.1 Interpret bar, line, circle graphs	5	3
		5.02	5.2 Express probability as ratio	1	1
		5.04	5.4 Determine arrangements of four items	1	1
			<i>Items aligned at the Standard level</i>	0	0
6	Math	04	Standard 4: Measurement	6	6
		5.02	5.2 Measure and apply elapsed time	1	1
		5.03	5.3 Measure angles using protractor	1	1
		5.05	5.5 Use appropriate units to measure	2	2
		5.06	5.6 Use formula, calculate perimeter, area	1	1
		5.07	5.7 Use formula to calculate volume	1	1
			<i>Items aligned at the Standard level</i>	0	0
6	Math	05	Standard 5: Algebra, Functions, and Patterns	12	12
		5.01	5.1 Analyze table, graph patterns	2	2
		5.02	5.2 Identify rules for patterns	2	2
		5.03	5.3 Use pattern rules to solve problems	3	3
		5.04	5.4 Identify variables in expressions	2	2

Gr.	Content		Content Standards Benchmarks	Points	Items
		5.05	5.5 Use equations to solve problems	3	3
			<i>Items aligned at the Standard level</i>	0	0
7	Math	01	Standard 1: Number and Operation	25	25
		6.01	6.1 Use fraction, represent part of whole	4	4
		6.02	6.2 Explain, use whole number percents	3	3
		6.03	6.3 Find equivalent forms of numbers	1	1
		6.04	6.4 Order equivalent forms of numbers	1	1
		6.05	6.5 List factors, prime factors, multiples	1	1
		6.06	6.6 Find divisibility 2, 3, 5, 6, 9, 10	2	2
		6.08	6.8 Use commutative, associative property	1	1
		6.09	6.9 Use order of operations	1	1
		6.10	6.10 Multiply, divide decimals	3	3
		6.12	6.12 Express exponent in standard form	2	2
		6.13	6.13 Use strategies to solve problems	3	3
		6.14	6.14 Estimate involving fraction, decimal	3	3
			<i>Items aligned at the Standard level</i>	0	0
7	Math	02	Standard 2: Geometry and Spatial Sense	6	4
		6.01	6.1 Identify relationships between angles	3	1
		6.03	6.3 Describe characteristics right triangle	1	1
		6.04	6.4 Use coordinates to locate point on grid	1	1
		6.05	6.5 Identify, describe transformations	1	1
			<i>Items aligned at the Standard level</i>	0	0
7	Math	03	Standard 3: Data Analysis, Statistics, Probability	11	9
		6.01	6.1 Collect, organize data using displays	2	2
		6.02	6.2 Count possible outcomes using lists	1	1
		6.03	6.3 Use experiment, determine probability	1	1
		6.04	6.4 Represent probability as decimal, ratio	1	1
		6.05	6.5 Calculate mean, median, mode, range	4	2
		6.06	6.6 Predict from trends in tables, graphs	2	2
			<i>Items aligned at the Standard level</i>	0	0
7	Math	04	Standard 4: Measurement	10	8
		6.01	6.1 Measure length to nearest 1/16 inch	1	1
		6.02	6.2 Select appropriate unit of measurement	2	2
		6.03	6.3 Convert measurements within system	1	1
		6.04	6.4 Discern perimeter, area, volume	3	1
		6.05	6.5 Select tool and unit to measure	1	1
		6.06	6.6 Find circumference, area, perimeter	1	1
		6.08	6.8 Find volume of rectangular prisms	1	1
			<i>Items aligned at the Standard level</i>	0	0
7	Math	05	Standard 5: Algebra, Functions, and Patterns	9	9
		6.01	6.1 Identify, describe patterns	3	3
		6.02	6.2 Use variables to represent unknowns	3	3
		6.03	6.3 Use representations to solve problems	3	3
			<i>Items aligned at the Standard level</i>	0	0

Gr.	Content		Content Standards Benchmarks	Points	Items
8	Math	01	Standard 1: Number and Operation	20	20
		7.01	7.1 Show relationship of ratio, proportion	2	2
		7.02	7.2 Use percents greater than 100	1	1
		7.03	7.3 Use prime factorization	1	1
		7.04	7.4 Use integers to compare quantities	1	1
		7.05	7.5 Explain effect, operations on integers	2	2
		7.06	7.6 Use order operations with expressions	1	1
		7.07	7.7 Use operations with fraction, decimal	4	4
		7.08	7.8 Solve with fraction, decimal, percent	3	3
		7.09	7.9 Estimate use fraction, decimal, percent	2	2
		7.10	7.10 Use proportions to solve problems	3	3
			<i>Items aligned at the Standard level</i>	0	0
8	Math	02	Standard 2: Geometry and Spatial Sense	7	6
		7.01	7.1 Relate 2, 3-dimensional figures	1	1
		7.02	7.2 Classify triangles by sides, angles	2	1
		7.04	7.4 Identify congruency, similarity	2	2
		7.05	7.5 Draw transformation in coordinate plane	1	1
		7.06	7.6 Construct 3-dimensional solids from net	1	1
			<i>Items aligned at the Standard level</i>	0	0
8	Math	03	Standard 3: Data Analysis, Statistics, Probability	15	13
		7.01	7.1 Collect, organize, display data	2	2
		7.02	7.2 Determine possible outcomes	5	3
		7.03	7.3 Draw conclusions from results	1	1
		7.04	7.4 Compute probabilities for simple events	2	2
		7.05	7.5 Use mean, median, mode, range of data	2	2
		7.06	7.6 Describe how data display is misleading	1	1
		7.07	7.7 Explain inferences from statistics	2	2
			<i>Items aligned at the Standard level</i>	0	0
8	Math	04	Standard 4: Measurement	8	8
		7.01	7.1 Estimate measurements	2	2
		7.02	7.2 Convert unit measurements within system	1	1
		7.03	7.3 Measure, perimeter, area, volume	1	1
		7.04	7.4 Select, use appropriate tools, units	1	1
		7.05	7.5 Solve problems using scale factor	1	1
		7.09	7.9 Find area irregular shaped object	2	2
			<i>Items aligned at the Standard level</i>	0	0
8	Math	05	Standard 5: Algebra, Functions, and Patterns	10	8
		7.01	7.1 Describe patterns with tables, graphs	2	2
		7.02	7.2 Create algebraic expression, equation	1	1
		7.03	7.3 Evaluate numeric expressions	1	1
		7.04	7.4 Solve 1-step equations, inequalities	1	1
		7.05	7.5 Write 1-step equations, inequalities	4	2
		7.06	7.6 Graph change over time	1	1
			<i>Items aligned at the Standard level</i>	0	0
11	Math	01	Standard 1: Number and Operation	16	15

Gr.	Content		Content Standards Benchmarks	Points	Items
		10.01	9-10.1 Express numbers in different forms	2	2
		10.02	9-10.2 Explain real number relationships	1	1
		10.03	9-10.3 Identify properties of real numbers	1	1
		10.04	9-10.4 Represent a set of data in a matrix	2	1
		10.05	9-10.5 Use operations with expressions	2	2
		10.06	9-10.6 Analyze operation effects on numbers	1	1
		10.07	9-10.7 Apply exponent properties	2	2
		10.08	9-10.8 Estimate to predict realistic solution	2	2
		10.09	9-10.9 Solve problems with computation	2	2
		10.10	9-10.10 Explain reasonableness of answers	1	1
			<i>Items aligned at the Standard level</i>	0	0
11	Math	02	Standard 2: Geometry and Spatial Sense	17	14
		10.01	9-10.1 Identify 2-D, 3-D object properties	4	1
		10.02	9-10.2 Identify congruent, similar figures	1	1
		10.03	9-10.3 Compute sides, angles right triangle	1	1
		10.04	9-10.4 Prove or disprove a conjecture	1	1
		10.05	9-10.5 Determine distance, midpoint, slope	1	1
		10.06	9-10.6 Use distance, midpoint, slope	1	1
		10.07	9-10.7 Identify, perform transformations	3	3
		10.08	9-10.8 Analyze transformations effects	1	1
		10.09	9-10.9 Construct plane figures	1	1
		10.10	9-10.10 Identify objects from perspectives	1	1
		10.11	9-10.11 Gain insight from geometric model	2	2
			<i>Items aligned at the Standard level</i>	0	0
11	Math	03	Standard 3: Data Analysis, Statistics, Probability	9	9
		10.02	9-10.2 Interpret a representation of data	3	3
		10.04	9-10.4 Determine number of outcomes	2	2
		10.05	9-10.5 Compute simple event probability	2	2
		10.07	9-10.7 Compute central tendencies, spread	1	1
		10.10	9-10.10 Identify trend, describe correlation	1	1
			<i>Items aligned at the Standard level</i>	0	0
11	Math	04	Standard 4: Measurement	7	7
		10.01	9-10.1 Select appropriate units, scales	1	1
		10.02	9-10.2 Describe scale effect on area volume	1	1
		10.03	9-10.3 Compute standard, metric measurement	1	1
		10.04	9-10.4 Convert among standard and metric	1	1
		10.07	9-10.7 Use unit analysis to track units	1	1
		10.08	9-10.8 Compute area of regular polygon	1	1
		10.09	9-10.9 Compute surface area and volume	1	1
			<i>Items aligned at the Standard level</i>	0	0
11	Math	05	Standard 5: Algebra, Functions, and Patterns	12	10
		10.02	9-10.2 Express relations and functions	1	1
		10.03	9-10.3 Determine if relations are functions	1	1
		10.04	9-10.4 Perform operations on functions	1	1
		10.06	9-10.6 Draw linear and quadratic graphs	3	1
		10.07	9-10.7 Write equations from context	1	1

Gr.	Content		Content Standards Benchmarks	Points	Items
		10.08	9-10.8 Use real number properties	1	1
		10.09	9-10.9 Solve linear equations, inequalities	1	1
		10.11	9-10.11 Determine if relationship is linear	1	1
		10.12	9-10.12 Solve a system from the graph	1	1
		10.15	9-10.15 Find rate of change from graph/data	1	1
			<i>Items aligned at the Standard level</i>	0	0
4 Science A SCIENCE CONCEPTS AND INQUIRY					
		01	Standard 1: Unifying Concepts	5	3
		3.01	3.1 Identify repetitive changes	2	2
			<i>Items aligned at the Standard level</i>	3	1
4	Science	02	Standard 2: Science Inquiry	13	13
		3.01	3.1 Select science tools for investigations	3	3
		3.02	3.2 Ask scientific investigation questions	5	5
		3.03	3.3 Record observations of investigations	5	5
			<i>Items aligned at the Standard level</i>	0	0
4	Science	B	PHYSICAL SCIENCE	11	10
		03	Standard 3: Physical Science	11	10
		3.01	3.1 ID physical properties: solids, liquid	2	2
		3.02	3.2 Identify a force as push or pull	2	2
		3.03	3.3 Describe magnetic attraction/repulsion	1	1
		3.04	3.4 Explain how vibration produces sound	1	1
		3.05	3.5 Describe direction and motion of light	1	1
			<i>Items aligned at the Standard level</i>	4	3
4	Science	C	LIFE SCIENCE	13	13
		04	Standard 4: Life Science	13	13
		3.01	3.1 Identify functions of an organism's parts	2	2
		3.02	3.2 Describe life cycles: plants and animals	6	6
		3.03	3.3 Identify the needs of living things	4	4
			<i>Items aligned at the Standard level</i>	1	1
4	Science	D	EARTH AND SPACE SCIENCE	6	6
		05	Standard 5: Earth and Space Science	6	6
		3.01	3.1 Identify measureable weather conditions	1	1
		3.02	3.2 Relate properties to uses of materials	1	1
		3.03	3.3 Identify ways in which rocks break down	1	1
		3.04	3.4 Identify properties of soil	1	1
		3.05	3.5 Explain how stars are like the sun	1	1
			<i>Items aligned at the Standard level</i>	1	1
4	Science	E	SCIENCE AND CULTURE	12	10
		06	Standard 6: Science and Technology	3	3
		3.01	3.1 Identify ways technology solves problems	2	2
			<i>Items aligned at the Standard level</i>	1	1
4	Science	07	Standard 7: Science and Other Areas	8	6
		3.01	3.1 Identify ways to prevent spread of germs	2	2
		3.02	3.2 Identify benefits of recycling, reducing	2	2

Gr.	Content		Content Standards Benchmarks	Points	Items
			<i>Items aligned at the Standard level</i>	4	2
		08	Standard 8: History and Nature of Science	1	1
	21 st benchmark reported	3.01	3.1 Identify uses of science in careers, life	1	1
			<i>Items aligned at the Standard level</i>	0	0
8	Science	A	SCIENCE CONCEPTS AND INQUIRY	16	16
		01	Standard 1: Unifying Concepts	7	7
	1 st benchmark reported	7.01	7.1 Use models to explain science principles	1	1
	2 nd benchmark reported	7.02	7.2 Identify components of body & ecosystems	3	3
	3 rd benchmark reported	7.03	7.3 Identify examples of feedback mechanisms	2	2
	4 th benchmark reported	7.04	7.4 Relate form to function	1	1
			<i>Items aligned at the Standard level</i>	0	0
8	Science	02	Standard 2: Science Inquiry	9	9
	5 th benchmark reported	7.01	7.1 Communicate science investigation results	4	4
			<i>Items aligned at the Standard level</i>	5	5
8	Science	B	PHYSICAL SCIENCE	8	8
		03	Standard 3: Physical Science	8	8
	6 th benchmark reported	7.01	7.1 Explain transfer of energy across forms	6	6
			<i>Items aligned at the Standard level</i>	2	2
8	Science	C	LIFE SCIENCE	11	11
		04	Standard 4: Life Science	11	11
	7 th benchmark reported	7.01	7.1 Explain functions of the cell	1	1
	8 th benchmark reported	7.02	7.2 ID levels of organization: living systems	2	2
	9 th benchmark reported	7.03	7.3 Identify characteristics of reproduction	2	2
	10 th benchmark reported	7.04	7.4 Identify organism/environment interaction	3	3
	11 th benchmark reported	7.05	7.5 Classify organisms into taxonomic groups	2	2
	12 th benchmark reported	7.06	7.6 Relate adaptations to survival	1	1
			<i>Items aligned at the Standard level</i>	0	0
8	Science	D	EARTH AND SPACE SCIENCE	9	8
		05	Standard 5: Earth and Space Science	9	8
	13 th benchmark reported	7.01	7.1 Identify factors that affect climate	5	4
	14 th benchmark reported	7.02	7.2 Explain how seasons affect organisms	2	2
	15 th benchmark reported	7.03	7.3 Identify renewable/nonrenewable resources	2	2
			<i>Items aligned at the Standard level</i>	0	0
8	Science	E	SCIENCE AND CULTURE	13	12
		06	Standard 6: Science and Technology	7	6
	16 th benchmark reported	7.01	7.1 Identify influences of technology	1	1
	17 th benchmark reported	7.02	7.2 Identify society/technology interactions	2	2
	18 th benchmark reported	7.03	7.3 Identify technology benefits/consequences	4	3
			<i>Items aligned at the Standard level</i>	0	0
8	Science	07	Standard 7: Science and Other Areas	4	4
	19 th benchmark reported	7.02	7.2 Identify factors that may cause disease	1	1
	20 th benchmark reported	7.03	7.3 Explain the effects of overpopulation	1	1
	21 st benchmark reported	7.04	7.4 Explain science impact on food technology	2	2
			<i>Items aligned at the Standard level</i>	0	0
8	Science	08	Standard 8: History and Nature of Science	2	2

Gr.	Content		Content Standards Benchmarks	Points	Items
		7.01	7.1 Explain role: human qualities in science	1	1
		7.02	7.2 Keep accurate records of investigations	1	1
			<i>Items aligned at the Standard level</i>	0	0
11	Science	A	SCIENCE CONCEPTS AND INQUIRY	15	14
		01	Standard 1: Unifying Concepts	5	4
		10.01	9-10.1 Use models to explain sci. principles	1	1
		10.02	9-10.2 Describe component interactions	2	1
		10.04	9-10.4 Relate form to function	1	1
		10.05	9-10.5 Explain classification: form, function	1	1
			<i>Items aligned at the Standard level</i>	0	0
11	Science	02	Standard 2: Science Inquiry	10	10
		10.02	9-10.2 Use safety equipment and precautions	1	1
		10.03	9-10.3 Identify investig concepts/questions	1	1
		10.04	9-10.4 Formulate a testable hypothesis	1	1
		10.05	9-10.5 Identify variables, control, constants	2	2
		10.06	9-10.6 Design, conduct guided investigation	1	1
		10.07	9-10.7 Maintain accurate records of investig	1	1
		10.08	9-10.8 Analyze data in tables, charts, graphs	3	3
			<i>Items aligned at the Standard level</i>	0	0
11	Science	B	PHYSICAL SCIENCE	12	11
		03	Standard 3: Physical Science	12	11
		10.01	9-10.1 Classify elements: similar properties	2	2
		10.02	9-10.2 Classify physical/chemical changes	3	2
		10.03	9-10.3 Identify Law of Conservation of Matter	1	1
		10.04	9-10.4 Construct a model of an atom	1	1
		10.05	9-10.5 Identify reactants/product in reaction	1	1
		10.06	9-10.6 Distinguish balanced chem. equations	1	1
		10.07	9-10.7 Use Newton's Laws to describe motion	1	1
		10.08	9-10.8 Desc. kinetic/potential energy changes	1	1
		10.10	9-10.10 Describe series and parallel circuits	1	1
			<i>Items aligned at the Standard level</i>	0	0
11	Science	C	LIFE SCIENCE	12	12
		04	Standard 4: Life Science	12	12
		10.01	9-10.1 Relate cell function to cell structure	1	1
		10.02	9-10.2 Relate functions of cells to cell type	1	1
		10.04	9-10.4 Relate DNA, genes, and chromosomes	2	2
		10.05	9-10.5 Explain DNA changes: genetic variation	2	2
		10.06	9-10.6 Compare results of mitosis and meiosis	1	1
		10.07	9-10.7 Apply genetic concepts: predict traits	1	1
		10.08	9-10.8 Relate natural selection/evol. conseq.	1	1
		10.10	9-10.10 Explain energy, org: trophic pyramids	1	1
		10.11	9-10.11 Explain flow matter/energy: ecosystem	1	1
		10.12	9-10.12 Compare photosynth./cell respiration	1	1
			<i>Items aligned at the Standard level</i>	0	0
11	Science	D	EARTH AND SPACE SCIENCE	6	6

Gr.	Content		Content Standards Benchmarks	Points	Items
		05	Standard 5: Earth and Space Science	6	6
	31 st benchmark reported	10.01	9-10.1 Explain the Big Bang Theory	1	1
	32 nd benchmark reported	10.02	9-10.2 Relate atmosph change: plant evolution	1	1
	33 rd benchmark reported	10.03	9-10.3 Explain energy movement: Earth system	1	1
	34 th benchmark reported	10.04	9-10.4 Relate physical proc: envir, society	2	2
	35 th benchmark reported	10.06	9-10.6 Explain effects: humans on environment	1	1
			<i>Items aligned at the Standard level</i>	0	0
11	Science	E	SCIENCE AND CULTURE	12	12
		06	Standard 6: Science and Technology	4	4
	36 th benchmark reported	10.01	9-10.1 Use technologies to solve a problem	1	1
	37 th benchmark reported	10.02	9-10.2 Explain principles used in technology	1	1
	38 th benchmark reported	10.03	9-10.3 Explain impacts: emerging technology	2	2
			<i>Items aligned at the Standard level</i>	0	0
11	Science	07	Standard 7: Science and Other Areas	3	3
	39 th benchmark reported	10.01	9-10.1 Relate pers. health: lifestyle factors	1	1
	40 th benchmark reported	10.02	9-10.2 ID factors that affect populations	2	2
			<i>Items aligned at the Standard level</i>	0	0
11	Science	08	Standard 8: History and Nature of Science	5	5
	41 st benchmark reported	10.01	9-10.1 ID theoretical/applied scientist roles	1	1
	42 nd benchmark reported	10.02	9-10.2 ID human traits influential in science	1	1
	43 rd benchmark reported	10.03	9-10.3 ID ind./group contributions to science	1	1
	44 th benchmark reported	10.04	9-10.4 ID theories that changed over time	1	1
	45 th benchmark reported	10.05	9-10.5 Explain: attitudes influence science	1	1
			<i>Items aligned at the Standard level</i>	0	0