2010 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
1st 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
2nd Combined Standard reported	**B. PHYSICAL SCIENCE**	4, 8, 11
3rd Content Standard reported	Standard 3: Physical Science	4, 8, 11
3rd Combined Standard reported	**C. LIFE SCIENCE**	4, 8, 11
4th Content Standard reported	Standard 4: Life Science	4, 8, 11
4th Combined Standard reported	**D. EARTH AND SPACE SCIENCE**	4, 8, 11
5th Content Standard reported	Standard 5: Earth and Space Science	4, 8, 11
5th 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	8, 11

	Standards/Benchmarks	Total # of points	Total # of items
Reading Grade 3	**Standard 1: Engage in the research process**	**7**	**6**
1st benchmark reported	2.2 List questions related to a topic	3	3
2nd benchmark reported	2.3 Use reference tools to get information	4	3
	Items not reporting to Benchmarks	0	0
	Standard 2: Engage in the reading process	**56**	**54**
3rd benchmark reported	2.1 Read a variety of genres	1	1
4th benchmark reported	2.2 Describe the elements of a fiction text	6	6
5th benchmark reported	2.3 Describe features of a non-fiction text	1	1
6th benchmark reported	2.4 Know, apply letter/sound relationship	2	2
7th benchmark reported	2.6 Make and confirm/disconfirm predictions	1	1
8th benchmark reported	2.7 Recall/retell detail/events in sequence	10	9
9th benchmark reported	2.8 Relate text-to-self, text, world	6	5
10th benchmark reported	2.9 Use strategies to monitor comprehension	5	5
11th benchmark reported	2.10 Use strategies to improve comprehension	16	16
12th benchmark reported	2.11 Locate main idea & supporting details	4	4
13th benchmark reported	2.12 Use meaning, syntax & phonics clues	4	4
	Items not reporting to Benchmarks	0	0
Reading Grade 4	**Standard 1: Engage in the research process**	**7**	**7**
1st benchmark reported	3.2 Generate questions on research topic	1	1
2nd benchmark reported	3.4 Use relevant resources for information	4	4
3rd benchmark reported	3.5 Identify accurate information	2	2
	Items not reporting to Benchmarks	0	0
	Standard 2: Engage in the reading process	**58**	**53**
4th benchmark reported	3.1 Identify the elements of a fiction text	15	12
5th benchmark reported	3.2 ID characteristics of expository text	2	2
6th benchmark reported	3.3 ID characteristics of multicultural text	5	5
7th benchmark reported	3.4 Use gloss./table of cont./index for info.	1	1
8th benchmark reported	3.5 Use word recog strategies for meaning	4	4
9th benchmark reported	3.6 Use word reference aids for meaning	2	1
10th benchmark reported	3.7 Use strategies to increase comprehension	23	23
11th benchmark reported	3.9 Read for a variety of purposes	2	2
12th benchmark reported	3.10 Reflect, respond to various texts	4	3
	Items not reporting to Benchmarks	0	0
Reading Grade 5	**Standard 1: Engage in the research process**	**8**	**6**
1st benchmark reported	4.1 Organize research topic using strategy	1	1
2nd benchmark reported	4.2 Use relevant materials to access info	3	3
3rd benchmark reported	4.3 Use criteria to evaluate the accuracy	1	1
4th benchmark reported	4.4 Use note-taking to organize information	3	1
	Items not reporting to Benchmarks	0	0
	Standard 2: Engage in the reading process	**56**	**54**
5th benchmark reported	4.2 Compare, contrast fiction charact	2	2
6th benchmark reported	4.3 Compare and contrast texts	2	2
7th benchmark reported	4.4 Determine elements of fiction text	13	12
8th benchmark reported	4.5 Determine expository text charact	3	3

9th benchmark reported	4.6 Use word recog strategies for meaning	2	2
10th benchmark reported	4.7 Use resources to determine word meaning	2	2
11th benchmark reported	4.8 Use text comprehension strategies	27	27
12th benchmark reported	4.10 Use reading for a variety of purposes	3	3
13th benchmark reported	4.11 Respond to text: various genres/cultures	2	1
	Items not reporting to Benchmarks	0	0
Reading Grade 6	**Standard 1: Engage in the research process**	**13**	**11**
1st benchmark reported	5.1 Connect issues/texts/topics of interest	1	1
2nd benchmark reported	5.2 Plan & use a research strategy	2	2
3rd benchmark reported	5.3 Use relevant resources for information	4	4
4th benchmark reported	5.4 Use criteria to eval. accuracy of info.	2	2
5th benchmark reported	5.6 Create charts, outlines, graphs to org	4	2
	Items not reporting to Benchmarks	0	0
	Standard 2: Engage in the reading process	**52**	**49**
6th benchmark reported	5.2 Analyze the elements of a fiction text	9	9
7th benchmark reported	5.3 Analyze expository text charact	3	3
8th benchmark reported	5.4 Compare, contrast fict characteristics	1	1
9th benchmark reported	5.5 Compare, contrast nonfiction charact	1	1
10th benchmark reported	5.6 Use word recog strategies for meaning	9	9
11th benchmark reported	5.7 Use references: determine word meaning	1	1
12th benchmark reported	5.8 Use text comprehension strategies	23	23
13th benchmark reported	5.11 Respond to text: genres and cultures	5	2
	Items not reporting to Benchmarks	0	0
Reading Grade 7	**Standard 1: Engage in the research process**	**8**	**8**
1st benchmark reported	6.2 Use sources appropriate for purpose	6	6
2nd benchmark reported	6.3 Differentiate accurate, inaccurate info.	2	2
	Items not reporting to Benchmarks	0	0
	Standard 2: Engage in the reading process	**56**	**52**
3rd benchmark reported	6.1 ID fiction genre characteristics	3	3
4th benchmark reported	6.2 ID nonfiction genre characteristics	3	3
5th benchmark reported	6.3 Use word recog. strategies for meaning	8	8
6th benchmark reported	6.4 Use graphic organizers & summarizing	12	11
7th benchmark reported	6.5 Use prior knowledge to comprehend	4	4
8th benchmark reported	6.6 Read for a variety of purposes	4	4
9th benchmark reported	6.8 Identify literary elements	20	17
10th benchmark reported	6.9 Identify figurative language	2	2
	Items not reporting to Benchmarks	0	0
Reading Grade 8	**Standard 1: Engage in the research process**	**11**	**9**
1st benchmark reported	7.1 Generate, evaluate relevant questions	2	2
2nd benchmark reported	7.2 Use variety of sources for information	4	4
3rd benchmark reported	7.3 Question info accuracy, relevance	1	1
4th benchmark reported	7.4 Organize research information	4	2
	Items not reporting to Benchmarks	0	0
	Standard 2: Engage in the reading process	**52**	**50**
5th benchmark reported	7.1 Differentiate fiction from nonfiction	1	1
6th benchmark reported	7.2 Use graphic organizers	16	16

7th benchmark reported	7.3 Generate and revise predictions	7	7
8th benchmark reported	7.4 Use prior knowledge and expertise	4	4
9th benchmark reported	7.5 Read for a variety of purposes	2	2
10th benchmark reported	7.7 Identify literary elements	7	7
11th benchmark reported	7.8 Locate figurative language in texts	5	4
12th benchmark reported	7.9 Identify sound devices in literary texts	1	1
13th benchmark reported	7.10 Relate literature, history, culture	2	1
14th benchmark reported	7.11 Use vocab building skills, strategies	7	7
	Items not reporting to Benchmarks	0	0
Reading Grade 11	**Standard 1: Engage in the research process**	**7**	**7**
1st benchmark reported	10.3 Gather reliable info to support thesis	2	2
2nd benchmark reported	10.4 Use relevant information	2	2
3rd benchmark reported	10.6 Cite sources using MLA/APA style sheet	1	1
4th benchmark reported	10.7 Paraphrase information	2	2
	Items not reporting to Benchmarks	0	0
	Standard 2: Engage in the reading process	**59**	**53**
5th benchmark reported	9.15 Build vocabulary by reading variety	1	1
6th benchmark reported	10.1 Summarize information from nonfiction	18	16
7th benchmark reported	10.2 Identify persuasive writing techniques	2	2
8th benchmark reported	10.3 Read for various purposes and intents	2	2
9th benchmark reported	10.4 ID author's use of figurative language	8	6
10th benchmark reported	10.5 Analyze literary elements	15	15
11th benchmark reported	10.6 Analyze author's use of mood	8	6
12th benchmark reported	10.7 Apply universal themes to real life	5	5
	Items not reporting to Benchmarks	0	0

	Standards/Benchmarks	Total # of points	Total # of items
Language Arts Grade 3	**Standard 3: Engage in the writing process**	**34**	**24**
1st benchmark reported	2.1 Select purpose for writing	2	2
2nd benchmark reported	2.2 Gather & organize ideas	1	1
3rd benchmark reported	2.3 Select a plan to organize thoughts	6	3
4th benchmark reported	2.4 Use specific genre to match the purpose	2	2
5th benchmark reported	2.6 Incorporate vocabulary in writing	2	2
6th benchmark reported	2.8 ID, include characteristics of genres	3	1
7th benchmark reported	2.10 Analyze writing for ideas/word choice	11	11
8th benchmark reported	2.12 Select approp. tools for writing	1	1
9th benchmark reported	2.13 Compose text for purpose, understanding	6	1
	Items not reporting to Benchmarks	0	0
	Standard 6: Understand & use princ. of lang.	**36**	**36**
10th benchmark reported	2.1 Use sentences to convey a message	2	2
11th benchmark reported	2.2 Use grade-appropriate parts of speech	8	8
12th benchmark reported	2.3 Recognize subject & predicate	4	4
13th benchmark reported	2.4 Use grade-appropriate capitalization	5	5
14th benchmark reported	2.5 Use grade-appropriate punctuation	1	1
15th benchmark reported	2.6 Use principles of spelling	16	16
	Items not reporting to Benchmarks	0	0
Language Arts Grade 4	**Standard 3: Engage in the writing process**	**36**	**25**
1st benchmark reported	3.1 Select ideas, info. for various purposes	4	3
2nd benchmark reported	3.3 Characteristics of multicultural text	3	3
3rd benchmark reported	3.4 Use a variety of sentence structures	3	3
4th benchmark reported	3.5 Develop paragraph with topic sentences	10	7
5th benchmark reported	3.6 Incorporate vocabulary in writing	2	2
6th benchmark reported	3.7 Review organization to improve meaning	1	1
7th benchmark reported	3.8 Use proofreading marks to edit	3	3
8th benchmark reported	3.9 Use reference tools to edit writing	1	1
9th benchmark reported	3.10 Compose text for understanding	9	2
	Items not reporting to Benchmarks	0	0
	Standard 6: Understand & use princ. of lang.	**35**	**35**
10th benchmark reported	3.1 Use parts of speech	9	9
11th benchmark reported	3.2 Use subject, predicate	9	9
12th benchmark reported	3.3 Use verb tenses	6	6
13th benchmark reported	3.4 Use capitalization	1	1
14th benchmark reported	3.5 Use conventions of punctuation	3	3
15th benchmark reported	3.6 Use principles of spelling	4	4
16th benchmark reported	3.7 Use figurative language	3	3
	Items not reporting to Benchmarks	0	0
Language Arts Grade 5	**Standard 3: Engage in the writing process**	**36**	**27**
1st benchmark reported	4.1 Determine message for purpose	2	2
2nd benchmark reported	4.2 Plan to organize thoughts	4	3
3rd benchmark reported	4.4 Develop ideas by writing 3 paragraphs	6	6
4th benchmark reported	4.5 Use indents/capitals/punct. in paragraphs	3	1

5th benchmark reported	4.6 Incorporate vocabulary in writing	3	3
6th benchmark reported	4.7 Review organization to improve meaning	9	9
7th benchmark reported	4.10 Use reference tools to edit writing	1	1
8th benchmark reported	4.11 Compose text for understanding	2	1
	Items not reporting to Benchmarks	6	1
	Standard 6: Understand & use princ. of lang.	**34**	**34**
9th benchmark reported	4.1 Use parts of speech	8	8
10th benchmark reported	4.2 Use subject, predicate	5	5
11th benchmark reported	4.3 Use appropriate verb tenses	7	7
12th benchmark reported	4.4 Use capitalization	2	2
13th benchmark reported	4.5 Use conventions of punctuation	2	2
14th benchmark reported	4.6 Use principles of spelling	3	3
15th benchmark reported	4.7 Use figurative language	4	4
	Items not reporting to Benchmarks	3	3
Language Arts Grade 6	**Standard 3: Engage in the writing process**	**40**	**28**
1st benchmark reported	5.1 Plan text to inform, entertain, persuade	2	2
2nd benchmark reported	5.2 Plan text using various techniques	2	2
3rd benchmark reported	5.3 Write using selected genre charact	3	1
4th benchmark reported	5.4 Organize, develop 5 paragraphs	1	1
5th benchmark reported	5.5 Use proper paragraph form, transitions	1	1
6th benchmark reported	5.6 Incorporate vocabulary in writing	6	6
7th benchmark reported	5.7 Review, monitor topic organization	13	13
8th benchmark reported	5.9 Use proofreading marks to edit	6	1
9th benchmark reported	5.11 Compose text for understanding	6	1
	Items not reporting to Benchmarks	0	0
	Standard 6: Understand & use princ. of lang.	**32**	**32**
10th benchmark reported	5.1 Use parts of speech	2	2
11th benchmark reported	5.2 Use subject, predicate	6	6
12th benchmark reported	5.3 Use grammar convent re: parts of speech	13	13
13th benchmark reported	5.4 Use capitalization	3	3
14th benchmark reported	5.5 Use conventions of punctuation	5	5
15th benchmark reported	5.6 Use principles of spelling	1	1
16th benchmark reported	5.7 Use, interpret figurative language	2	2
	Items not reporting to Benchmarks	0	0
Language Arts Grade 7	**Standard 3: Engage in the writing process**	**34**	**23**
1st benchmark reported	6.2 Produce narrative writing	2	1
2nd benchmark reported	6.4 Use prewriting strategies	1	1
3rd benchmark reported	6.5 Use strategies for different purposes	1	1
4th benchmark reported	6.7 Use grade appropriate vocabulary	1	1
5th benchmark reported	6.8 Use criteria to evaluate writing	14	14
6th benchmark reported	6.10 Edit grammar, mechanics, usage, spelling	9	4
	Items not reporting to Benchmarks	6	1
	Standard 6: Understand & use princ. of lang.	**37**	**37**
7th benchmark reported	6.1 Use grade appropriate sentence structure	19	19
8th benchmark reported	6.2 Use grade appropriate grammar	18	18
	Items not reporting to Benchmarks	0	0

Language Arts Grade 8	**Standard 3: Engage in the writing process**	**37**	**28**
1st benchmark reported	7.2 Produce narrative writing	2	1
2nd benchmark reported	7.4 Use strategies for different purposes	2	2
3rd benchmark reported	7.5 Use prewriting strategies for draft	4	1
4th benchmark reported	7.6 Incorporate grade appropriate vocab.	2	2
5th benchmark reported	7.7 Use criteria to evaluate writing	1	1
6th benchmark reported	7.8 Use feedback, multiple drafts to revise	15	15
7th benchmark reported	7.9 Edit grammar, mechanics, usage, spelling	5	5
	Items not reporting to Benchmarks	6	1
	Standard 6: Understand & use princ. of lang.	**32**	**32**
8th benchmark reported	7.1 Use grade appropriate grammar	1	1
9th benchmark reported	7.2 Use sentence structure	19	19
10th benchmark reported	7.3 Use grade appropriate mechanics, usage	8	8
11th benchmark reported	7.4 Use figurative language	4	4
	Items not reporting to Benchmarks	0	0
Language Arts Grade 11	**Standard 3: Engage in the writing process**	**39**	**31**
1st benchmark reported	10.2 Defend a personal opinion using facts	5	2
2nd benchmark reported	10.4 Organize ideas and details by purpose	10	10
3rd benchmark reported	10.5 Use grade-level vocab. to elaborate ideas	5	5
4th benchmark reported	10.7 Use a variety of supporting details	1	1
5th benchmark reported	10.9 Use precise language to describe	1	1
6th benchmark reported	10.11 Edit, revise compositions: content	5	5
7th benchmark reported	10.12 Edit, revise: consistent point of view	1	1
8th benchmark reported	10.13 Use structure to edit, revise	1	1
9th benchmark reported	10.14 Use sentence reduction techniques	4	4
	Items not reporting to Benchmarks	6	1
	Standard 6: Understand & use princ. of lang.	**31**	**29**
10th benchmark reported	10.1 Use grammar conventions	25	23
11th benchmark reported	10.2 Analyze figurative language	3	3
12th benchmark reported	10.3 Interpret the use of sound patterns	1	1
13th benchmark reported	10.4 Critique cultural language differences	1	1
14th benchmark reported	10.5 Critique gender perspectives, bias	1	1
	Items not reporting to Benchmarks	0	0

	Standards/Benchmarks	Total # of points	Total # of items
Math Grade 3	**Standard 1: Number and Operation**	**26**	**24**
1st benchmark reported	2.1 Count, order numbers up to 1,000	3	3
2nd benchmark reported	2.3 Count by 2's, 5's, and 10's	2	2
3rd benchmark reported	2.4 Identify, write numbers to 1,000	2	2
4th benchmark reported	2.5 Connect number words and numerals	1	1
5th benchmark reported	2.6 Differentiate odd from even numbers	2	2
6th benchmark reported	2.7 Identify place value, hundreds place	3	3
7th benchmark reported	2.9 Round to tens, hundreds	2	2
8th benchmark reported	2.11 Represent, explain fractions	2	2
9th benchmark reported	2.12 Solve addition, subtraction problems	1	1
10th benchmark reported	2.13 Demonstrate inverse add, subtract	1	1
11th benchmark reported	2.14 Model multiplication using objects	5	3
12th benchmark reported	2.16 Recall addition, subtraction facts	1	1
13th benchmark reported	2.17 Estimate sums, differences	1	1
	Items not reporting to Benchmarks	0	0
	Standard 2: Geometry and Spatial Sense	**11**	**10**
14th benchmark reported	2.1 Recognize geometric shapes	1	1
15th benchmark reported	2.2 Identify, describe 3-dimensional object	3	3
16th benchmark reported	2.3 Predict results of combining shapes	3	2
17th benchmark reported	2.4 Identify symmetrical shapes	2	2
18th benchmark reported	2.5 Identify congruent shapes	2	2
	Items not reporting to Benchmarks	0	0
	Standard 3: Data Analysis, Statistics, Probability	**7**	**7**
19th benchmark reported	2.1 Sort, classify objects by attributes	1	1
20th benchmark reported	2.3 Answer questions from data in graphs	4	4
21st benchmark reported	2.4 Make predictions based upon data	1	1
22nd benchmark reported	2.5 Describe likelihood of event	1	1
	Items not reporting to Benchmarks	0	0
	Standard 4: Measurement	**11**	**11**
23rd benchmark reported	2.1 Tell time to 5 minute interval	1	1
24th benchmark reported	2.4 Count mixed coins to $1.00	2	2
25th benchmark reported	2.5 Estimate, measure to lb, kg	2	2
26th benchmark reported	2.6 Estimate, measure to cup, liter	1	1
27th benchmark reported	2.7 Estimate, measure length	3	3
28th benchmark reported	2.10 Approximate size of basic units	1	1
29th benchmark reported	2.11 Select appropriate measuring units	1	1
	Items not reporting to Benchmarks	0	0
	Standard 5: Algebra, Functions, and Patterns	**9**	**8**
30th benchmark reported	2.1 Extend, create number patterns	2	2
31st benchmark reported	2.3 Solve equations for unknown variable	3	2
32nd benchmark reported	2.5 Use number sentence, represent problem	4	4
	Items not reporting to Benchmarks	0	0
Math Grade 4	**Standard 1: Number and Operation**	**24**	**22**
1st benchmark reported	3.1 Count, order numbers to 10,000	2	2

2nd benchmark reported	3.2 Read, write numerals to 10,000	1	1
3rd benchmark reported	3.3 Represent numbers to 10,000	1	1
4th benchmark reported	3.5 Identify place value	1	1
5th benchmark reported	3.9 Represent fractions, mixed numbers	2	2
6th benchmark reported	3.10 Explain concept of multiplication	4	2
7th benchmark reported	3.11 Explain concept of division	1	1
8th benchmark reported	3.12 Use variety of methods, tools	2	2
9th benchmark reported	3.13 Add, subtract whole numbers	3	3
10th benchmark reported	3.15 Apply multiplication property 0,1	1	1
11th benchmark reported	3.17 Divide by 1-digit number, no remainder	1	1
12th benchmark reported	3.18 Show inverse multiplication, division	1	1
13th benchmark reported	3.19 Add, subtract fractions	1	1
14th benchmark reported	3.21 Estimate products, quotients	1	1
15th benchmark reported	3.22 Estimate reasonableness of solution	2	2
	Items not reporting to Benchmarks	0	0
	Standard 2: Geometry and Spatial Sense	**10**	**10**
16th benchmark reported	3.1 Compare attributes 2-dimensional shapes	1	1
17th benchmark reported	3.2 Describe characteristics solid shapes	2	2
18th benchmark reported	3.4 Identify right angles	1	1
19th benchmark reported	3.5 Use ordered pairs, find points on grid	2	2
20th benchmark reported	3.6 Identify, create lines of symmetry	2	2
21st benchmark reported	3.7 Identify congruent, similar shapes	2	2
	Items not reporting to Benchmarks	0	0
	Standard 3: Data Analysis, Statistics, Probability	**8**	**8**
22nd benchmark reported	3.2 Display, interpret graphs	1	1
23rd benchmark reported	3.3 Solve problems from data on graphs	4	4
24th benchmark reported	3.6 Determine most likely outcome	3	3
	Items not reporting to Benchmarks	0	0
	Standard 4: Measurement	**12**	**10**
25th benchmark reported	3.1 Tell time to nearest minute	1	1
26th benchmark reported	3.2 Determine elapsed time	1	1
27th benchmark reported	3.3 Count coins, bills	5	3
28th benchmark reported	3.5 Estimate, measure length	3	3
29th benchmark reported	3.6 Relate units in same measuring system	2	2
	Items not reporting to Benchmarks	0	0
	Standard 5: Algebra, Functions, and Patterns	**12**	**10**
30th benchmark reported	3.1 Use patterns to solve problems	4	4
31st benchmark reported	3.2 Create patterns using multiplication	3	1
32nd benchmark reported	3.3 Determine missing elements of patterns	1	1
33rd benchmark reported	3.4 Solve equations with unknown numbers	3	3
34th benchmark reported	3.5 Use symbols to write number sentences	1	1
	Items not reporting to Benchmarks	0	0
Math Grade 5	**Standard 1: Number and Operation**	**24**	**23**
1st benchmark reported	4.1 Identify place value	3	3
2nd benchmark reported	4.3 Read, write numerals to 100,000	1	1
3rd benchmark reported	4.4 Round whole numbers	1	1

4th benchmark reported	4.5 Represent numbers, standard, expanded	1	1
5th benchmark reported	4.8 Communicate mathematical terms	2	1
6th benchmark reported	4.10 Determine relevant information	2	2
7th benchmark reported	4.11 Use strategies to solve problems	2	2
8th benchmark reported	4.12 Add, subtract whole numbers to 100,000	3	3
9th benchmark reported	4.14 Divide by 1-digit number	2	2
10th benchmark reported	4.15 Add, subtract like fractions	2	2
11th benchmark reported	4.16 Add, subtract decimals	2	2
12th benchmark reported	4.18 Determine appropriate rounded solution	1	1
13th benchmark reported	4.19 Estimate computations	2	2
	Items not reporting to Benchmarks	0	0
	Standard 2: Geometry and Spatial Sense	**9**	**9**
14th benchmark reported	4.1 Analyze attributes 2, 3-dimension shape	1	1
15th benchmark reported	4.2 Identify, describe line relationships	1	1
16th benchmark reported	4.3 Recognize figure after transformation	4	4
17th benchmark reported	4.4 Show shapes are congruent, similar	3	3
	Items not reporting to Benchmarks	0	0
	Standard 3: Data Analysis, Statistics, Probability	**12**	**10**
18th benchmark reported	4.3 Display data in line, circle graphs	3	1
19th benchmark reported	4.4 Interpret data displayed in graphs	4	4
20th benchmark reported	4.6 Use number lines, coordinate graphs	1	1
21st benchmark reported	4.7 Conduct simple probability experiments	3	3
22nd benchmark reported	4.8 Calculate mode, mean/average, range	1	1
	Items not reporting to Benchmarks	0	0
	Standard 4: Measurement	**10**	**10**
23rd benchmark reported	4.1 Relate units in same measuring system	2	2
24th benchmark reported	4.2 Estimate, measure length to 1/4 inch	2	2
25th benchmark reported	4.3 Analyze perimeter, area relationships	1	1
26th benchmark reported	4.4 Make change up to $20	1	1
27th benchmark reported	4.5 Apply concept of elapsed time	4	4
	Items not reporting to Benchmarks	0	0
	Standard 5: Algebra, Functions, and Patterns	**9**	**8**
28th benchmark reported	4.1 Determine missing element in patterns	5	4
29th benchmark reported	4.3 Solve problems with variables	4	4
	Items not reporting to Benchmarks	0	0
Math Grade 6	**Standard 1: Number and Operation**	**26**	**25**
1st benchmark reported	5.1 Identify place value	1	1
2nd benchmark reported	5.2 Order whole numbers using symbols	1	1
3rd benchmark reported	5.3 Round whole numbers to nearest million	1	1
4th benchmark reported	5.4 Write numbers standard and expanded	2	2
5th benchmark reported	5.5 Place integers on number line	2	2
6th benchmark reported	5.9 Round, order decimals using symbols	2	2
7th benchmark reported	5.10 Explain, demonstrate percent	3	2
8th benchmark reported	5.12 Represent ratios, percents using model	2	2
9th benchmark reported	5.13 Explain exponential notation	1	1
10th benchmark reported	5.14 Add, subtract whole numbers to 1,000,000	3	3

11th benchmark reported	5.15 Use properties to solve problems	1	1
12th benchmark reported	5.16 Use divisibility rules for 2, 5, 10	1	1
13th benchmark reported	5.21 Multiply numbers by 3-digit numbers	1	1
14th benchmark reported	5.22 Divide numbers by 2-digit numbers	1	1
15th benchmark reported	5.24 Add and subtract multi-digit decimals	3	3
16th benchmark reported	5.25 Multiply and divide decimals	1	1
	Items not reporting to Benchmarks	0	0
	Standard 2: Geometry and Spatial Sense	**9**	**9**
17th benchmark reported	5.1 Describe property 2, 3-dimension figure	2	2
18th benchmark reported	5.3 Draw angles using protractor	1	1
19th benchmark reported	5.5 Determine characteristic points, lines	1	1
20th benchmark reported	5.6 Use ordered pairs in coordinate grid	3	3
21st benchmark reported	5.7 Describe properties of congruent figures	2	2
	Items not reporting to Benchmarks	0	0
	Standard 3: Data Analysis, Statistics, Probability	**11**	**10**
22nd benchmark reported	5.1 Interpret bar, line, circle graphs	3	3
23rd benchmark reported	5.2 Express probability as ratio	1	1
24th benchmark reported	5.3 State possible outcomes for situations	1	1
25th benchmark reported	5.4 Determine arrangements of four items	2	1
26th benchmark reported	5.5 Calculate mode, mean, range	2	2
27th benchmark reported	5.6 Make predictions based on data	2	2
	Items not reporting to Benchmarks	0	0
	Standard 4: Measurement	**9**	**8**
28th benchmark reported	5.2 Measure and apply elapsed time	3	3
29th benchmark reported	5.5 Use appropriate units to measure	2	2
30th benchmark reported	5.6 Use formula, calculate perimeter, area	2	2
31st benchmark reported	5.7 Use formula to calculate volume	2	1
	Items not reporting to Benchmarks	0	0
	Standard 5: Algebra, Functions, and Patterns	**8**	**8**
32nd benchmark reported	5.1 Analyze table, graph patterns	1	1
33rd benchmark reported	5.2 Identify rules for patterns	2	2
34th benchmark reported	5.3 Use pattern rules to solve problems	2	2
35th benchmark reported	5.4 Identify variables in expressions	1	1
36th benchmark reported	5.5 Use equations to solve problems	2	2
	Items not reporting to Benchmarks	0	0
Math Grade 7	**Standard 1: Number and Operation**	**28**	**27**
1st benchmark reported	6.1 Use fraction, represent part of whole	3	3
2nd benchmark reported	6.2 Explain, use whole number percents	3	3
3rd benchmark reported	6.3 Find equivalent forms of numbers	3	3
4th benchmark reported	6.4 Order equivalent forms of numbers	1	1
5th benchmark reported	6.5 List factors, prime factors, multiples	1	1
6th benchmark reported	6.6 Find divisibility 2, 3, 5, 6, 9, 10	1	1
7th benchmark reported	6.9 Use order of operations	1	1
8th benchmark reported	6.10 Multiply, divide decimals	3	3
9th benchmark reported	6.11 Use arithmetic operations, fractions	1	1
10th benchmark reported	6.12 Express exponent in standard form	1	1

11th benchmark reported	6.13 Use strategies to solve problems	6	5
12th benchmark reported	6.14 Estimate involving fraction, decimal	4	4
	Items not reporting to Benchmarks	0	0
	Standard 2: Geometry and Spatial Sense	**7**	**7**
13th benchmark reported	6.1 Identify relationships between angles	1	1
14th benchmark reported	6.2 Identify polygons	1	1
15th benchmark reported	6.3 Describe characteristics right triangle	1	1
16th benchmark reported	6.4 Use coordinates to locate point on grid	1	1
17th benchmark reported	6.5 Identify, describe transformations	3	3
	Items not reporting to Benchmarks	0	0
	Standard 3: Data Analysis, Statistics, Probability	**8**	**7**
18th benchmark reported	6.1 Collect, organize data using displays	1	1
19th benchmark reported	6.3 Use experiment, determine probability	4	3
20th benchmark reported	6.4 Represent probability as decimal, ratio	1	1
21st benchmark reported	6.5 Calculate mean, median, mode, range	1	1
22nd benchmark reported	6.6 Predict from trends in tables, graphs	1	1
	Items not reporting to Benchmarks	0	0
	Standard 4: Measurement	**11**	**9**
23rd benchmark reported	6.1 Measure length to nearest 1/16 inch	1	1
24th benchmark reported	6.2 Select appropriate unit of measurement	2	2
25th benchmark reported	6.3 Convert measurements within system	2	2
26th benchmark reported	6.6 Find circumference, area, perimeter	5	3
27th benchmark reported	6.8 Find volume of rectangular prisms	1	1
	Items not reporting to Benchmarks	0	0
	Standard 5: Algebra, Functions, and Patterns	**10**	**10**
28th benchmark reported	6.1 Identify, describe patterns	4	4
29th benchmark reported	6.2 Use variables to represent unknowns	1	1
30th benchmark reported	6.3 Use representations to solve problems	4	4
	Items not reporting to Benchmarks	1	1
Math Grade 8	**Standard 1: Number and Operation**	**23**	**22**
1st benchmark reported	7.1 Show relationship of ratio, proportion	1	1
2nd benchmark reported	7.3 Use prime factorization	2	2
3rd benchmark reported	7.4 Use integers to compare quantities	2	2
4th benchmark reported	7.5 Explain effect, operations on integers	3	3
5th benchmark reported	7.6 Use order operations with expressions	2	2
6th benchmark reported	7.7 Use operations with fraction, decimal	3	3
7th benchmark reported	7.8 Solve with fraction, decimal, percent	6	5
8th benchmark reported	7.9 Estimate use fraction, decimal, percent	2	2
9th benchmark reported	7.10 Use proportions to solve problems	2	2
	Items not reporting to Benchmarks	0	0
	Standard 2: Geometry and Spatial Sense	**6**	**6**
10th benchmark reported	7.1 Relate 2, 3-dimensional figures	1	1
11th benchmark reported	7.2 Classify triangles by sides, angles	1	1
12th benchmark reported	7.4 Identify congruency, similarity	1	1
13th benchmark reported	7.5 Draw transformation in coordinate plane	1	1
14th benchmark reported	7.6 Construct 3-dimensional solids from net	2	2

	Items not reporting to Benchmarks	0	0
	Standard 3: Data Analysis, Statistics, Probability	**13**	**11**
15th benchmark reported	7.1 Collect, organize, display data	1	1
16th benchmark reported	7.2 Determine possible outcomes	4	2
17th benchmark reported	7.3 Draw conclusions from results	1	1
18th benchmark reported	7.4 Compute probabilities for simple events	3	3
19th benchmark reported	7.5 Use mean, median, mode, range of data	1	1
20th benchmark reported	7.6 Describe how data display is misleading	1	1
21st benchmark reported	7.7 Explain inferences from statistics	2	2
	Items not reporting to Benchmarks	0	0
	Standard 4: Measurement	**9**	**9**
22nd benchmark reported	7.1 Estimate measurements	1	1
23rd benchmark reported	7.2 Convert unit measurements within system	1	1
24th benchmark reported	7.3 Measure, perimeter, area, volume	1	1
25th benchmark reported	7.4 Select, use appropriate tools, units	2	2
26th benchmark reported	7.5 Solve problems using scale factor	2	2
27th benchmark reported	7.8 Find volume right cylinders	1	1
28th benchmark reported	7.9 Find area irregular shaped object	1	1
	Items not reporting to Benchmarks	0	0
	Standard 5: Algebra, Functions, and Patterns	**13**	**12**
29th benchmark reported	7.1 Describe patterns with tables, graphs	5	5
30th benchmark reported	7.2 Create algebraic expression, equation	4	3
31st benchmark reported	7.3 Evaluate numeric expressions	2	2
32nd benchmark reported	7.4 Solve 1-step equations, inequalities	1	1
33rd benchmark reported	7.5 Write 1-step equations, inequalities	1	1
	Items not reporting to Benchmarks	0	0
Math Grade 11	**Standard 1: Number and Operation**	**19**	**18**
1st benchmark reported	9-10.1 Express numbers in different forms	2	2
2nd benchmark reported	9-10.5 Use operations with expressions	3	3
3rd benchmark reported	9-10.6 Analyze operation effects on numbers	1	1
4th benchmark reported	9-10.7 Apply exponent properties	3	3
5th benchmark reported	9-10.8 Estimate to predict realistic solution	3	3
6th benchmark reported	9-10.9 Solve problems with computation	6	5
7th benchmark reported	9-10.10 Explain reasonableness of answers	1	1
	Items not reporting to Benchmarks	0	0
	Standard 2: Geometry and Spatial Sense	**16**	**13**
8th benchmark reported	9-10.1 Identify 2-D, 3-D object properties	4	1
9th benchmark reported	9-10.2 Identify congruent, similar figures	2	2
10th benchmark reported	9-10.3 Compute sides, angles right triangle	2	2
11th benchmark reported	9-10.5 Determine distance, midpoint, slope	1	1
12th benchmark reported	9-10.6 Use distance, midpoint, slope	4	4
13th benchmark reported	9-10.7 Identify, perform transformations	1	1
14th benchmark reported	9-10.8 Analyze transformations effects	1	1
15th benchmark reported	9-10.9 Construct plane figures	1	1
	Items not reporting to Benchmarks	0	0
	Standard 3: Data Analysis, Statistics, Probability	**10**	**10**

16th benchmark reported	9-10.1 Create appropriate displays of data	1	1
17th benchmark reported	9-10.2 Interpret a representation of data	3	3
18th benchmark reported	9-10.4 Determine number of outcomes	2	2
19th benchmark reported	9-10.5 Compute simple event probability	1	1
20th benchmark reported	9-10.6 Compute compound event probability	1	1
21st benchmark reported	9-10.7 Compute central tendencies, spread	1	1
22nd benchmark reported	9-10.8 Find central tendency relationships	1	1
	Items not reporting to Benchmarks	0	0
	Standard 4: Measurement	**6**	**6**
23rd benchmark reported	9-10.1 Select appropriate units, scales	1	1
24th benchmark reported	9-10.2 Describe scale effect on area volume	1	1
25th benchmark reported	9-10.7 Use unit analysis to track units	1	1
26th benchmark reported	9-10.8 Compute area of regular polygon	1	1
27th benchmark reported	9-10.9 Compute surface area and volume	1	1
28th benchmark reported	9-10.10 Solve problems with irregular shapes	1	1
	Items not reporting to Benchmarks	0	0
	Standard 5: Algebra, Functions, and Patterns	**14**	**13**
29th benchmark reported	9-10.1 Generate terms of a sequence	1	1
30th benchmark reported	9-10.2 Express relations and functions	2	2
31st benchmark reported	9-10.4 Perform operations on functions	1	1
32nd benchmark reported	9-10.6 Draw linear and quadratic graphs	1	1
33rd benchmark reported	9-10.7 Write equations from context	3	2
34th benchmark reported	9-10.8 Use real number properties	1	1
35th benchmark reported	9-10.9 Solve linear equations, inequalities	1	1
36th benchmark reported	9-10.10 Solve an equation for any variable	1	1
37th benchmark reported	9-10.11 Determine if relationship is linear	1	1
38th benchmark reported	9-10.12 Solve a system from the graph	1	1
39th benchmark reported	9-10.14 Draw conclusion from a situation	1	1
	Items not reporting to Benchmarks	0	0

	Standards/Benchmarks	Total # of points	Total # of items
Science Grade 4	**SCIENCE CONCEPTS AND INQUIRY**	**16**	**16**
	Standard 1: Unifying Concepts	**5**	**5**
1st benchmark reported	3.1 Identify repetitive changes	2	2
	Items not reporting to Benchmarks	3	3
	Standard 2: Science Inquiry	**11**	**11**
2nd benchmark reported	3.1 Select science tools for investigations	4	4
3rd benchmark reported	3.2 Ask scientific investigation questions	3	3
4th benchmark reported	3.3 Record observations of investigations	4	4
	Items not reporting to Benchmarks	0	0
	PHYSICAL SCIENCE	**10**	**10**
	Standard 3: Physical Science	**10**	**10**
5th benchmark reported	3.1 ID physical properties: solids, liquid	5	5
6th benchmark reported	3.2 Identify a force as push or pull	1	1
7th benchmark reported	3.3 Describe magnetic attraction/repulsion	2	2
8th benchmark reported	3.4 Explain how vibration produces sound	1	1
9th benchmark reported	3.5 Describe direction and motion of light	1	1
	Items not reporting to Benchmarks	0	0
	LIFE SCIENCE	**16**	**15**
	Standard 4: Life Science	**16**	**15**
10th benchmark reported	3.1 Identify functions of an organism's parts	6	5
11th benchmark reported	3.2 Describe life cycles: plants and animals	4	4
12th benchmark reported	3.3 Identify the needs of living things	5	5
	Items not reporting to Benchmarks	1	1
	EARTH AND SPACE SCIENCE	**7**	**7**
	Standard 5: Earth and Space Science	**7**	**7**
13th benchmark reported	3.1 Identify measureable weather conditions	1	1
14th benchmark reported	3.3 Identify ways in which rocks break down	2	2
15th benchmark reported	3.4 Identify properties of soil	2	2
16th benchmark reported	3.5 Explain how stars are like the sun	1	1
	Items not reporting to Benchmarks	1	1
	SCIENCE AND CULTURE	**14**	**12**
	Standard 6: Science and Technology	**4**	**4**
17th benchmark reported	3.1 Identify ways technology solves problems	3	3
	Items not reporting to Benchmarks	1	1
	Standard 7: Science and Other Areas	**10**	**8**
18th benchmark reported	3.1 Identify ways to prevent spread of germs	1	1
19th benchmark reported	3.2 Identify benefits of recycling, reducing	5	5
	Items not reporting to Benchmarks	4	2
Science Grade 8	**SCIENCE CONCEPTS AND INQUIRY**	**17**	**17**
	Standard 1: Unifying Concepts	**7**	**7**
1st benchmark reported	7.2 Identify components of body & ecosystems	3	3
2nd benchmark reported	7.4 Relate form to function	4	4
	Items not reporting to Benchmarks	0	0
	Standard 2: Science Inquiry	**10**	**10**

3rd benchmark reported	7.1 Communicate science investigation results	4	4
	Items not reporting to Benchmarks	6	6
	PHYSICAL SCIENCE	**11**	**11**
	Standard 3: Physical Science	**11**	**11**
4th benchmark reported	7.1 Explain transfer of energy across forms	8	8
	Items not reporting to Benchmarks	3	3
	LIFE SCIENCE	**12**	**12**
	Standard 4: Life Science	**12**	**12**
5th benchmark reported	7.1 Explain functions of the cell	1	1
6th benchmark reported	7.3 Identify characteristics of reproduction	2	2
7th benchmark reported	7.4 Identify organism/environment interaction	4	4
8th benchmark reported	7.5 Classify organisms into taxonomic groups	3	3
9th benchmark reported	7.6 Relate adaptations to survival	2	2
	Items not reporting to Benchmarks	0	0
	EARTH AND SPACE SCIENCE	**11**	**9**
	Standard 5: Earth and Space Science	**11**	**9**
10th benchmark reported	7.1 Identify factors that affect climate	8	6
11th benchmark reported	7.2 Explain how seasons affect organisms	1	1
12th benchmark reported	7.3 Identify renewable/nonrenewable resources	1	1
	Items not reporting to Benchmarks	1	1
	SCIENCE AND CULTURE	**13**	**11**
	Standard 6: Science and Technology	**6**	**5**
13th benchmark reported	7.1 Identify influences of technology	2	2
14th benchmark reported	7.3 Identify technology benefits/consequences	4	3
	Items not reporting to Benchmarks	0	0
	Standard 7: Science and Other Areas	**4**	**4**
15th benchmark reported	7.2 Identify factors that may cause disease	2	2
16th benchmark reported	7.4 Explain science impact on food technology	2	2
	Items not reporting to Benchmarks	0	0
	Standard 8: History and Nature of Science	**3**	**2**
17th benchmark reported	7.1 Explain role: human qualities in science	2	1
18th benchmark reported	7.2 Keep accurate records of investigations	1	1
	Items not reporting to Benchmarks	0	0
Science Grade 11	**SCIENCE CONCEPTS AND INQUIRY**	**9**	**9**
	Standard 1: Unifying Concepts	**2**	**2**
1st benchmark reported	9-10.1 Use models to explain sci. principles	1	1
2nd benchmark reported	9-10.4 Relate form to function	1	1
	Items not reporting to Benchmarks	0	0
	Standard 2: Science Inquiry	**7**	**7**
3rd benchmark reported	9-10.3 Identify investig concepts/questions	2	2
4th benchmark reported	9-10.4 Formulate a testable hypothesis	1	1
5th benchmark reported	9-10.5 Identify variables, control, constants	2	2
6th benchmark reported	9-10.6 Design, conduct guided investigation	1	1
7th benchmark reported	9-10.8 Analyze data in tables, charts, graphs	1	1
	Items not reporting to Benchmarks	0	0
	PHYSICAL SCIENCE	**17**	**16**

	Standard 3: Physical Science	**17**	**16**
8th benchmark reported	9-10.1 Classify elements: similar properties	3	3
9th benchmark reported	9-10.2 Classify physical/chemical changes	5	4
10th benchmark reported	9-10.3 Identify Law of Conservation of Matter	2	2
11th benchmark reported	9-10.4 Construct a model of an atom	1	1
12th benchmark reported	9-10.6 Distinguish balanced chem. equations	1	1
13th benchmark reported	9-10.7 Use Newton's Laws to describe motion	2	2
14th benchmark reported	9-10.8 Desc. kinetic/potential energy changes	3	3
	Items not reporting to Benchmarks	0	0
	LIFE SCIENCE	**12**	**12**
	Standard 4: Life Science	**12**	**12**
15th benchmark reported	9-10.1 Relate cell function to cell structure	1	1
16th benchmark reported	9-10.2 Relate functions of cells to cell type	2	2
17th benchmark reported	9-10.5 Explain DNA changes: genetic variation	2	2
18th benchmark reported	9-10.6 Compare results of mitosis and meiosis	1	1
19th benchmark reported	9-10.7 Apply genetic concepts: predict traits	1	1
20th benchmark reported	9-10.8 Relate natural selection/evol. conseq.	3	3
21st benchmark reported	9-10.10 Explain energy, org: trophic pyramids	1	1
22nd benchmark reported	9-10.11 Explain flow matter/energy: ecosystem	1	1
	Items not reporting to Benchmarks	0	0
	EARTH AND SPACE SCIENCE	**11**	**9**
	Standard 5: Earth and Space Science	**11**	**9**
23rd benchmark reported	9-10.1 Explain the Big Bang Theory	1	1
24th benchmark reported	9-10.2 Relate atmosph change: plant evolution	2	2
25th benchmark reported	9-10.4 Relate physical proc: envir, society	3	3
26th benchmark reported	9-10.5 Analyze geol. events to predict future	2	1
27th benchmark reported	9-10.6 Explain effects: humans on environment	1	1
	Items not reporting to Benchmarks	2	1
	SCIENCE AND CULTURE	**14**	**14**
	Standard 6: Science and Technology	**4**	**4**
28th benchmark reported	9-10.1 Use technologies to solve a problem	3	3
29th benchmark reported	9-10.3 Explain impacts: emerging technology	1	1
	Items not reporting to Benchmarks	0	0
	Standard 7: Science and Other Areas	**4**	**4**
30th benchmark reported	9-10.1 Relate pers. health: lifestyle factors	2	2
31st benchmark reported	9-10.2 ID factors that affect populations	1	1
	Items not reporting to Benchmarks	1	1
	Standard 8: History and Nature of Science	**6**	**6**
32nd benchmark reported	9-10.1 ID theoretical/applied scientist roles	2	2
33rd benchmark reported	9-10.2 ID human traits influential in science	1	1
34th benchmark reported	9-10.3 ID ind./group contributions to science	1	1
35th benchmark reported	9-10.4 ID theories that changed over time	1	1
36th benchmark reported	9-10.5 Explain: attitudes influence science	1	1
	Items not reporting to Benchmarks	0	0