

**0 Grade**

Number	Old Bnchmk Number	Topic	Benchmark description
<b>Communication</b>			
	0.0377	Communication	uses new vocabulary in discussion
	0.042	Communication	uses complete sentences of increasing complexity
	0.045	Communication	uses pronouns of appropriate gender
	0.048	Communication	gives sensible answers to function of objects
	0.05	Communication	responds to a variety of question forms: who, how, when
	0.053	Communication	follows three-related-step commands
	0.056	Communication	participates in discussions
	0.059	Communication	carries on simple conversations
	0.062	Communication	discriminates between common opposites
	0.065	Communication	completes simple analogies
	0.068	Communication	distinguishes spatial relations such as on top, behind, far, and near
<b>Fine Motor Skills</b>			
	0.301	Fine Motor Skills	visually tracks moving objects, vertically and horizontally
	0.307	Fine Motor Skills	demonstrates proper scissors grasp
	0.31	Fine Motor Skills	reproduces basic shapes, letters, numbers and words
	0.313	Fine Motor Skills	cuts out basic shapes within 1/4 inch
	0.316	Fine Motor Skills	colors within lines
	0.319	Fine Motor Skills	draws a person with at least 10 body parts
	0.328	Fine Motor Skills	imitates basic block designs
	0.334	Fine Motor Skills	is independent in school related self-help tasks (zipping, buttoning, lacing, etc.)
	0.043	Handwriting without Tears	copies all upper and lower case letters
	0.046	Handwriting without Tears	writes first name in appropriate case and copies last name
	0.052	Handwriting without Tears	copies numerals 0 - 9 accurately
	0.304	Handwriting without Tears	demonstrates functional pencil and drawing tool grasp
<b>Gross Motor Skills</b>			
	0.337	Gross Motor Skills	safely uses all basic playground equipment
	0.34	Gross Motor Skills	demonstrates locomotor skills appropriate to age
	0.343	Gross Motor Skills	plays simple organized games
	0.346	Gross Motor Skills	demonstrates eye/hand coordination
	0.349	Gross Motor Skills	demonstrates spatial concepts (under, over, etc.)
	0.352	Gross Motor Skills	negotiates school environment efficiently and safely

**Health, Social, Emotional**

<b>0.601</b>	0.601	Health, Social, Emotional	demonstrates attention to task individually and in groups
<b>0.602</b>	0.61	Health, Social, Emotional	follows daily routine
<b>0.603</b>	0.613	Health, Social, Emotional	makes meaningful, relevant choices during unstructured time
<b>0.604</b>	0.604	Health, Social, Emotional	responds to consistency and limits
<b>0.605</b>	0.616	Health, Social, Emotional	shows sensitivity to the needs of others
<b>0.606</b>	0.619	Health, Social, Emotional	works and plays cooperatively within a group
<b>0.607</b>	0.607	Health, Social, Emotional	transitions between activities with minimal direction
<b>0.608</b>	0.622	Health, Social, Emotional	attains attention from peers in socially acceptable ways
<b>0.609</b>	0.625	Health, Social, Emotional	develops at least one friendship at school
<b>0.610</b>	0.628	Health, Social, Emotional	uses materials for appropriate purposes
<b>0.611</b>	0.631	Health, Social, Emotional	respects the rights and property of others
<b>0.612</b>	0.634	Health, Social, Emotional	accepts responsibility for his/her actions
<b>0.613</b>	0.637	Health, Social, Emotional	show problem solving ability in social situations
<b>0.614</b>	0.64	Health, Social, Emotional	understands and applies basic personal hygiene
<b>0.615</b>	0.643	Health, Social, Emotional	shows understanding of conditions necessary for good health - food, rest, exercise

**Language Arts**

<b>0.001</b>	0.004	Reading Readiness	retells simple stories
<b>0.002</b>	0.007	Reading Readiness	retells at least 3 story events; beginning, middle and end
<b>0.003</b>	0.01	Reading Readiness	recognizes and identifies all upper and most lower case letters
<b>0.004</b>	0.019	Reading Readiness	demonstrates use of left/right; top/ bottom orientation
<b>0.005</b>	0.022	Reading Readiness	demonstrates understanding of concepts of print
<b>0.006</b>	0.025	Reading Readiness	matches words to symbols, e.g. stop, exit, fire
<b>0.007</b>	0.028	Reading Readiness	recognizes 15 high frequency words (I, a, the, me, at, etc.)
<b>0.008</b>	0.031	Reading Readiness	identifies/reads simple predictable pattern text
<b>0.009</b>	0	Reading Readiness	shows interest in books and in being read to
<b>0.010</b>	0.033	Writing Process	draws a picture related to a topic and uses known letters, sight words and/or environmental print to write
<b>0.011</b>	0.011	Phonemic Awareness	auditorily discriminates if words are the same or different
<b>0.012</b>	0.012	Phonemic Awareness	identifies and produces rhymes
<b>0.013</b>	0.013	Phonemic Awareness	orally blends and segments syllables
<b>0.014</b>	0.014	Phonemic Awareness	isolates beginning sounds
<b>0.015</b>	0.015	Phonemic Awareness	identifies consonants and short vowel sounds

**Mathematics**

<b>0.101</b>	0.064	Communication and Problem Solving	use basic math vocabulary (i.e. smaller, bigger, more, less than, and same as)
<b>0.102</b>	0.058	Data, Statistics and Probability	create simple real graphs

<b>0.103</b>	0.037	Functions and Algebra	recognize and record basic patterns (glue or color objects to record a pattern)
<b>0.104</b>	0.04	Geometry and Measurement	name 4 basic geometric shapes
<b>0.105</b>	0.061	Geometry and Measurement	recite days of week in order & possess awareness of months
<b>0.106</b>	0.067	Geometry and Measurement	make comparisons
<b>0.107</b>	0.07	Geometry and Measurement	familiar with names of coins
<b>0.108</b>	0.073	Geometry and Measurement	measure length using non-standard tools
<b>0.109</b>	0.0344	Number and Operations	sort and classify a variety of manipulatives
<b>0.110</b>	0.044	Number and Operations	rote count to 31
<b>0.111</b>	0.047	Number and Operations	name and match numerals to 20
<b>0.112</b>	0.05	Number and Operations	count objects to 20
<b>0.113</b>	0.055	Number and Operations	join sets of objects that sum to < 10
<b>0.114</b>	0.052	Number and Operations	recognize ordinal numbers: 1st through 3rd
<b>0.115</b>	0	Number and Operations	understand simple fractions as equal parts of a whole

**Science and Social Studies**

	0.201	Science and Social Studies	recites significant numbers such as phone number, address
	0.204	Science and Social Studies	identifies weather in terms of the seasons
	0.207	Science and Social Studies	names and locates parts of the body
	0.21	Science and Social Studies	describes a given object using the 5 basic senses
	0.213	Science and Social Studies	displays awareness of self, i.e. hair color, age, gender, birth date, etc.
	0.216	Science and Social Studies	identifies and describes function of community helpers, i.e. firefighters, police
	0.219	Science and Social Studies	understands the need for rules and takes part in making some of the classroom rules
	0.222	Science and Social Studies	demonstrates awareness of individual and cultural differences
	0.225	Science and Social Studies	identifies 8 basic colors

**1 Grade**

Number	Old Bnchmk Number	Topic	Benchmark description
<b>Art</b>			
	3.8071	Appreciation	discuss why they like or dislike a work of art
	3.811	Communication	communicate ideas and emotions using the art form
	3.813	Communication	discuss what they think the artist is trying to communicate through a work of art and explain how they arrived at their decision
	3.8161	History and Culture	make a connection between the arts and history and culture
	3.8191	History and Culture	explain, at a basic level, how arts are influenced by the culture in which they are created
	3.8011	Performance	identify basic elements and principles of an art form, appropriate to grade level
	3.8041	Performance	create and/or perform a basic work of art that reflects an ability to select and use the elements and principles of the form
<b>Handwriting</b>			
	1.901	Handwriting without Tears	demonstrate use of appropriate posture, pencil pressure, and grip
	1.904	Handwriting without Tears	write letters using proper alignment, size, spacing, and formation
	1.907	Handwriting without Tears	writing using upper and lower case letters as directed
	1.91	Handwriting without Tears	copy near point words using accurate letter formation, size upper and lower cases, spacing
<b>Health</b>			
	1.401	Human Growth and Development	identify the five senses and discuss their importance
	1.402	Human Growth and Development	identify the major organs of the human body
	1.407	Human Growth and Development	identify the importance of personal health
	1.41	Human Growth and Development	demonstrate independence in personal care
	1.425	Nutrition and Fitness	identify various food sources
	1.426	Nutrition and Fitness	describe the purpose of the food pyramid and identify the basic food groups in the pyramid
	1.408	Safety and Prevention	demonstrate proper dental care
	1.413	Safety and Prevention	identify important safety concepts and name safe people and places to go for help
	1.416	Safety and Prevention	identify the ways germs are spread and practice preventing their spread
	1.419	Safety and Prevention	tell about the differences between harmful and helpful drugs
	1.422	Safety and Prevention	identify various way of caring for the body, including maintaining personal and dental hygiene, eating nutritious foods, exercising and resting
	1.428	Self Esteem and Family Life	demonstrate respect for self and others
<b>Info. Literacy and Comp. Tech.</b>			
<b>1.501</b>	1.501	Information Literacy	identify parts of a book (spine, spine label and title page)
<b>1.502</b>	1.504	Information Literacy	with assistance, distinguish between fiction and non-fiction
<b>1.503</b>	1.507	Information Literacy	frame simple questions related to a topic of interest or assignment

<b>1.504</b>	1.516	Computer Technology	with assistance, use multimedia resources (e.g., interactive books, educational software, multimedia encyclopedias)
<b>1.505</b>	1.510	Information Literacy	observe the gathering of information and communicating with others using telecommunications
<b>1.506</b>	1.513	Computer Technology	with assistance, use input devices (mouse, video, etc.) and output devices (monitor, printer, etc.) to operate computers, VCRs, audio tape players and other technologies

**Language Arts**

	1.025	Listening, Speaking and Viewing	tell a story with accurate sequence
	1.028	Listening, Speaking and Viewing	follow three-step directions
	1.031	Listening, Speaking and Viewing	show increasing ability to sustain attention and inhibit distractibility between fall and spring
	1.034	Listening, Speaking and Viewing	discuss information viewed
	1.001	Reading	use a variety of strategies, including phonemic and structural analysis, for reading
	1.004	Reading	orally read a sight word vocabulary of at least 100 words
	1.007	Reading	demonstrate reading comprehension
	1.01	Reading	focus/participate in shared reading discussion for 20 minutes
	1.013	Reading	identify a purpose for reading
	1.016	Spelling	spell the first 50 Fry words and use standard conventions in writing
	1.022	Writing	write 3-4 related sentences using appropriate conventions
	1.019	Writing, Listening, Speaking, Viewing	use new vocabulary in discussion and writing

**Language Arts/ Reading**

<b>1.001</b>		Word Attack	use phonemic awareness skills
<b>1.002</b>		Word Attack	apply phonics skills
<b>1.003</b>		Oral Reading/ Fluency	use correct pronunciation
<b>1.004</b>		Oral Reading/ Fluency	attend to punctuation
<b>1.005</b>		Oral Reading/ Fluency	build fluency to 40 WCPM on the first grade DIBELS Oral Reading Assessment
<b>1.006</b>		Oral Reading/ Fluency	read the first 150 sight words from the Fry list automatically without sounding out
<b>1.007</b>		Oral Reading/ Fluency	read 50 sounds per minute on the DIBELS Nonsense Word Fluency Assessment
<b>1.008</b>		Word Study	be able to correctly identify nouns and verbs
<b>1.009</b>		Word Study	be able to identify compound words, synonyms and antonyms
<b>1.010</b>		Vocabulary	understand and use content area and theme words
<b>1.011</b>		Vocabulary	use context clues to determine meaning
<b>1.012</b>		Comprehension	use strategies before reading
<b>1.013</b>		Comprehension	use strategies during reading
<b>1.014</b>		Comprehension	use strategies after reading
<b>1.015</b>		Comprehension	use fiction/narrative strategies
<b>1.016</b>		Comprehension	use non-fiction/informational text strategies

**Language Arts/ Writing**

<b>1.030</b>	Spelling	correctly spell the first 50 words in the Fry list
<b>1.031</b>	Spelling	correctly spell grade 1 Glass Analysis spelling words
<b>1.032</b>	Spelling	use the following contractions correctly: n't, 's
<b>1.033</b>	Spelling	use the following word endings appropriately: ed, ing, s, es, er, est, 's
<b>1.034</b>	Spelling	apply the following rule: every word has a vowel or y
<b>1.035</b>	Six Traits of Writing	ideas
<b>1.036</b>	Six Traits of Writing	organization: write events in order (beginning, middle and end)
<b>1.037</b>	Six Traits of Writing	word choice
<b>1.038</b>	Six Traits of Writing	voice
<b>1.039</b>	Six Traits of Writing	sentence fluency
<b>1.040</b>	Six Traits of Writing	conventions
<b>1.041</b>	Written Language Structure	write three to four related sentences with a topic sentence

**Mathematics**

<b>1.101</b>	1.107	Communication and Problem Solving	formulate problems from daily situations, selecting appropriate strategies and materials for problem solving
<b>1.102</b>	1.108	Communication and Problem Solving	orally and in writing, explain the solution to a math problem
<b>1.103</b>	1.108	Communication and Problem Solving	make inferences and predictions to solve story problems
<b>1.104</b>	1.102	Communication and Problem Solving	establish and use a math vocabulary (i.e. more, less, equal, altogether, estimate), etc.)
<b>1.105</b>	1.125	Data, Statistics and Probability	create simple bar graphs, tally charts, picture graphs and simple tables
<b>1.106</b>	1.107	Functions and Algebra	demonstrate mastery of patterns and sorting with increasing difficulty
<b>1.107</b>	1.113	Geometry and Measurement	identify coins and their values
<b>1.108</b>	1.115	Geometry and Measurement	recite days of the week in order and possess awareness of months
<b>1.109</b>	1.116	Geometry and Measurement	tell hour and half-hour on analog and digital clocks
<b>1.110</b>	1.119	Geometry and Measurement	measure for length, weight, temperature and volume using standard and non-standard tools
<b>1.111</b>	1.122	Geometry and Measurement	identify, draw and use basic geometric shapes and solids
<b>1.112</b>	1.126	Geometry and Measurement	write simple fractions to record information and data
<b>1.113</b>	1.101	Number and Operations	demonstrate proficiency with number facts (addition and subtraction) through 10
<b>1.114</b>	1.102	Number and Operations	use math terms and notations, e.g. +, -, =, <, >
<b>1.115</b>	1.103	Number and Operations	demonstrate number sense to 100
<b>1.116</b>	1.104	Number and Operations	add and subtract two digit numbers without regrouping
<b>1.117</b>	1.109	Number and Operations	give appropriate estimation responses

**Music**

	1.8071	Appreciation	discuss why they like or dislike a work of art
	1.8111	Communication	communicate ideas and emotions using the art form

1.8131	Communication	discuss what they think the artist is trying to communicate through a work of art and explain how they arrived at their decision
1.8161	History and Culture	make a connection between the arts and history and culture
1.8191	History and Culture	explain, at a basic level, how arts are influenced by the culture in which they are created
1.8011	Performance	identify basic elements and principles of an art form, appropriate to grade level
1.8041	Performance	create and/or perform a basic work of art that reflects an ability to select and use the elements and principles of the form

**Physical Education**

<b>1.401</b>	1.437	Skill and Fitness	demonstrate basic non-locomotor and locomotor movements in personal and general space
<b>1.402</b>	1.44	Skill and Fitness	demonstrate basic age-appropriate manipulative skills
<b>1.403</b>	1.431	Safety and Prevention	arrive to class prepared for safe physical activity
<b>1.404</b>	1.434	Safety and Prevention	participate in class activities
<b>1.405</b>		Wellness and Health	demonstrate general value for physical activities

**Science**

1.216	Earth Science	observe, describe and record weather conditions
1.219	Life Science	define and describe a habitat
1.204	Physical Science	observe, describe and sort objects by their specific properties and materials
1.207	Physical Science	observe and describe evidence of changes in objects
1.21	Physical Science	investigate properties of various solid and liquid materials
1.213	Physical Science	make predictions and then experiment to prove or disprove those predictions, including air and water
1.201	Scientific Investigation	carry out experiments to test hypotheses

**Social Studies**

1.313	Civics	identify several major national holidays
1.316	Civics	explain the relationship between physical items and their symbolic representations
1.319	Economics	identify ways in which money can be earned and how that money can be used
1.307	Geography	identify maps as tools for locating places
1.31	History	identify traditions, beliefs and customs of the family
1.301	Social Skills and Research Skills	describe the ways in which all people are alike and some ways they may differ
1.304	Social Skills and Research Skills	demonstrate responsible behavior in caring for the school and community environment

**2 Grade**

Number	Old Bnchmk Number	Topic	Benchmark description
<b>Art</b>			
	3.8072	Appreciation	discuss why they like or dislike a work of art
	3.812	Communication	communicate ideas and emotions using the art form
	3.8132	Communication	discuss what they think the artist is trying to communicate through a work of art and explain how they arrived at their decision
	3.8162	History and Culture	make a connection between the arts and history and culture
	3.8192	History and Culture	explain, at a basic level, how arts are influenced by the culture in which they are created
	3.8012	Performance	identify basic elements and principles of an art form, appropriate to grade level
	3.8042	Performance	create and/or perform a basic work of art that reflects an ability to select and use the elements and principles of the form
<b>Handwriting</b>			
	2.901	Handwriting without Tears	in manuscript, form letters and numbers legibly, accurately, and with fluency
	2.904	Loops and Other Groups	write all lower case cursive letters in isolation
	2.907	Loops and Other Groups	write words with appropriate sizing, spacing, and formation in manuscript
	2.91	Loops and Other Groups	write first and last name in cursive
<b>Health</b>			
	2.416	Community and Environment	identify the effects of pollution on our environment
	2.401	Human Growth and Development	label the major bones of the human body
	2.408	Nutrition and Fitness	describe the purpose of the food pyramid and identify the basic food groups in the pyramid
	2.404	Safety and Prevention	describe practices that promote well-being
	2.407	Safety and Prevention	discuss how using alcohol, tobacco or drugs can be harmful
	2.413	Self Esteem and Family Life	demonstrate respect for self and others
<b>Info. Literacy and Comp. Tech.</b>			
<b>2.501</b>	2.501	Information Literacy	identify the table of contents and the index
<b>2.502</b>	2.504	Information Literacy	write and/or state a simple citation (author and title) to indicate an information source
<b>2.503</b>	2.507	Information Literacy	with assistance, locate and retrieve print materials in the library
<b>2.504</b>	2.510	Information Literacy	develop questions and follow-up questions to solve an information problem
<b>2.505</b>	2.516	Computer Technology	use multimedia resources
<b>2.506</b>	2.519	Computer Technology	with assistance, create simple multimedia products
<b>2.507</b>	2.513	Computer Technology	use and name input and output devices to operate computer, VCRs and other technologies
<b>2.508</b>	2.522	Computer Technology	with assistance, gather information and communicate with others using telecommunications

**Language Arts**

2.025	Listening, Speaking and Viewing	orally summarize information
2.028	Listening, Speaking and Viewing	follow multi-step, complex directions
2.031	Listening, Speaking and Viewing	listen for specific information and respond appropriately
2.034	Listening, Speaking and Viewing, Info Literacy	interpret the main idea of a film, video or CD-ROM
2.001	Reading	read independently by applying phonic generalizations and other strategies
2.004	Reading	read fluently and with expression
2.007	Reading	orally read a sight word vocabulary of at least 300 words
2.01	Reading	demonstrate reading comprehension of various types of text through oral and written strategies
2.013	Spelling	spell the first 200 Fry words and use standard conventions in writing, appropriate to grade level
2.016	Writing	write a well-developed story with a beginning, middle and end
2.019	Writing	write a paragraph with a topic sentence, body, and a closing
2.022	Writing	write using complex sentences

**Language Arts/ Reading**

2.001	Word Attack	use phonemic awareness skills
2.002	Word Attack	apply phonics skills
2.003	Oral Reading/ Fluency	read the first 300 sight words from the Fry list automatically
2.004	Oral Reading/ Fluency	build fluency to 94 WCPM on the second grade DIBELS assessment
2.005	Word Study	Identify parts of speech
2.006	Word Study	be able to identify compound words, synonyms, antonyms and homonyms (there/they're/their, your/you're, to/too/two)
2.007	Word Study	understand prefixes: dis, pre, mis, un, re
2.008	Vocabulary	understand and use content area and theme words
2.009	Vocabulary	use context clues to determine meaning
2.010	Comprehension	use strategies before reading
2.011	Comprehension	use strategies during reading
2.012	Comprehension	use strategies after reading
2.013	Comprehension	use fiction/narrative strategies
2.014	Comprehension	use strategies for non-fiction/informational text

**Language Arts/ Writing**

2.030	Spelling	correctly spell the first 200 words on the Fry list
2.031	Spelling	correctly spell grade 2 Glass Analysis spelling words
2.032	Spelling	correctly spell the following word endings: ed, ing, s, es, er, est, 's
2.033	Spelling	correctly spell the following contractions: 'll, 're, 'n

<b>2.034</b>	Spelling	understand and use the following spelling rules
<b>2.035</b>	Six Traits of Writing	ideas
<b>2.036</b>	Six Traits of Writing	organization
<b>2.037</b>	Six Traits of Writing	word choice
<b>2.038</b>	Six Traits of Writing	sentence fluency
<b>2.039</b>	Six Traits of Writing	voice
<b>2.040</b>	Six Traits of Writing	conventions
<b>2.041</b>	Written Language Structure	sentence level
<b>2.042</b>	Written Language Structure	paragraph level to include topic sentence, body, and closing sentence
<b>2.043</b>	Written Language Structure	report level to include introduction, body, and conclusion

**Mathematics**

<b>2.101</b>	2.119	Communication and Problem Solving	solve word problems that require addition and subtraction with regrouping
<b>2.102</b>	2.116	Communication and Problem Solving	understand and apply multiple strategies to solve problems
<b>2.103</b>	2.116	Communication and Problem Solving	introduce the use of clue words in addition and subtraction (i.e. altogether, in all)
<b>2.104</b>	2.141	Communication and Problem Solving	use correct mathematical vocabulary and notations, including equating \$ to (cents), division, - and x
<b>2.105</b>	2.14	Communication and Problem Solving	communicate mathematical ideas and solutions orally and in writing
<b>2.106</b>	2.143	Data, Statistics and Probability	create and interpret graphs
<b>2.107</b>	2.137	Data, Statistics and Probability	sort and classify objects according to their attributes and organize data about the object
<b>2.108</b>	2	Functions and Algebra	identify and extend a variety of patterns representing sequences by extending the patterns
<b>2.109</b>	2.107	Functions and Algebra	compute for missing 1-digit addends to 20
<b>2.110</b>	2.127	Geometry and Measurement	write date in various forms
<b>2.111</b>	2.127	Geometry and Measurement	find information from a calendar
<b>2.112</b>	2.131	Geometry and Measurement	demonstrate knowledge of the value of money to \$2.00
<b>2.113</b>	2.128	Geometry and Measurement	read and write time on an analog and digital clock
<b>2.115</b>	2.137	Geometry and Measurement	sort and classify objects according to their attributes and organize data about the objects
<b>2.116</b>	2.125	Geometry and Measurement	measure length, volume, temperature, distance and weight using standard tools
<b>2.117</b>	2	Number and Operations	identify numbers $<$ , $>$ , $=$ , $\neq$ to hundreds
<b>2.118</b>	2	Number and Operations	demonstrate knowledge and understanding of a fact family
<b>2.119</b>	2	Number and Operations	demonstrate expanded notations to 999
<b>2.120</b>	2.101	Number and Operations	demonstrate proficiency with number facts to 20
<b>2.121</b>	2.103	Number and Operations	identify place value in the 1 s, 10 s, and 100 s
<b>2.122</b>	2.104	Number and Operations	add and subtract with regrouping to the 100 s place
<b>2.123</b>	2.105	Number and Operations	identify and explain odd and even numbers
<b>2.124</b>	2.113	Number and Operations	describe multiplication as repeated addition and division as repeated subtraction
<b>2.125</b>	2.103	Number and Operations	demonstrate number sense to one thousand

<b>2.126</b>	2.122	Number and Operations	use subtraction to verify addition results and addition to verify subtraction results
<b>2.127</b>	2.11	Number and Operations	identify and compare fractions
<b>2.128</b>	2	Number and Operations	estimate answers where an exact response is not necessary
<b>2.129</b>	2	Data, Statistics and Probability	use probability to predict the outcomes of simple experiments

**Music**

	2.8072	Appreciation	discuss why they like or dislike a work of art
	2.8122	Communication	communicate ideas and emotions using the art form
	2.8132	Communication	discuss what they think the artist is trying to communicate through a work of art and explain how they arrived at their decision
	2.8192	History and Culture	explain, at a basic level, how arts are influenced by the culture in which they are created
	3.8162	History and Culture	make a connection between the arts and history and culture
	1.8012	Performance	identify basic elements and principles of an art form, appropriate to grade level
	2.8042	Performance	create and/or perform a basic work of art that reflects an ability to select and use the elements and principles of the form

**Physical Education**

<b>2.401</b>	2.425	Skill and Fitness	demonstrate basic non-locomotor and locomotor movements in personal and general space
<b>2.402</b>	2.428	Skill and Fitness	demonstrate age-appropriate manipulative skills
<b>2.403</b>	2.419	Safety and Prevention	arrive to class prepared for safe physical activity
<b>2.404</b>	2.422	Wellness and Health	participate in class activities
<b>2.405</b>	2.431	Safety and Prevention	demonstrate responsible personal and social behavior in games and activities
<b>2.406</b>	2.434	Safety and Prevention	demonstrate understanding and respect for the differences in performance among one's peers during games and activities
<b>2.407</b>		Wellness and Health	demonstrate value for physical activity

**Science**

	2.222	Life Science	observe, identify, record and discuss stages in life cycles of various animals (i.e., butterflies, frogs, chickens)
	2.219	Life Science, Geometry and Measurement	measure, record and discuss growth of various plants and animals
	2.21	Physical Science	identify systems of interacting objects
	2.213	Physical Science	find and describe evidence of interactions
	2.216	Physical Science	construct an operating electric circuit
	2.201	Scientific Investigation	develop an operational definition of an experiment
	2.204	Scientific Investigation	describe changes that occur during an experiment
	2.207	Scientific Investigation	make predictions, carry out experiments and write reports of experiments

**Social Studies**

	2.319	Civics	explain the concept of voting and the importance of citizens participating in elections
	2.322	Economics	explain how a community uses its resources to meet the needs of its citizens

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2.307	Geography	locate community places on a map
2.31	Geography	locate major physical features on a map
2.313	Geography	identify a variety of customs, traditions and beliefs within a community
2.316	History	identify several major individuals in American history
2.301	Social Skills and Research Skills	describe some cultural differences and similarities in people
2.304	Social Skills and Research Skills, Self-esteem	accept responsibility for personal actions and describe possible consequences of one's actions

**3 Grade**

Number	Old Bnchmk Number	Topic	Benchmark description
<b>Art</b>			
	3.8073	Appreciation	discuss why they like or dislike a work of art
	3.8133	Communication	communicate ideas and emotions using the art form
	3.8133	Communication	discuss what they think the artist is trying to communicate through a work of art and explain how they arrived at their decision
	3.8163	History and Culture	make a connection between the arts and history and culture
	3.8193	History and Culture	explain, at a basic level, how arts are influenced by the culture in which they are created
	3.8013	Performance	identify basic elements and principles of an art form, appropriate to grade level
	3.8043	Performance	create and/or perform a basic work of art that reflects an ability to select and use the elements and principles of the form
<b>Handwriting</b>			
	3.901	Loops and Other Groups	write all upper and lower case letters in cursive, using appropriate formation, size spacing, and base line
	3.904	Loops and Other Groups	connect all cursive letters into words
	3.907	Loops and Other Groups	write words in isolation in cursive
	3.91	Loops and Other Groups	write sentences incursive using appropriate spacing between words, and using upper and lower case letters
	3.914	Loops and Other Groups	use cursive writing for all language arts activities
	3.917	Loops and Other Groups	read isolated high frequency words (calendar, homework assignments, spelling words, Daily Oral Language) in cursive
<b>Health</b>			
<b>3.601</b>	3.401	Human Growth and Development, Life Science	identify and describe the major organs of the respiratory system
<b>3.602</b>	3.422	Nutrition and Fitness	describe how good nutrition is essential to good health
<b>3.603</b>	3.425	Nutrition and Fitness	describe how regular physical activity is essential to good health
<b>3.604</b>	3.404	Safety and Prevention	identify health as an important value and demonstrate practices that promote well-being
<b>3.605</b>	3.41	Safety and Prevention	explain how to prevent the spread of disease
<b>3.606</b>	3.413	Safety and Prevention	distinguish between safe and unsafe situations
<b>3.607</b>	3.416	Safety and Prevention	explain the relationship between health and drugs
<b>3.608</b>	3.419	Safety and Prevention	distinguish between medicinal and non-medicinal drugs
<b>3.609</b>	3.428	Self Esteem and Family Life	identify friends, family members or other trusted people to consult for advice and help
<b>3.610</b>	3.431	Community and Environment, Self-esteem and Family Life	explain importance of group cooperation and demonstrate the ability to work cooperatively
<b>Info. Literacy and Comp. Tech.</b>			
<b>3.501</b>	3.501	Information Literacy	identify a variety of information sources - books, periodicals, electronic resources, internet

<b>3.502</b>	3.507	Information Literacy	identify the need for information when solving a problem
<b>3.503</b>	3.510	Information Literacy	with assistance, use alphabetical index or menus to access print and electronic resources
<b>3.504</b>	3.528	Computer Technology	demonstrate basic knowledge of a computer keyboard
<b>3.505</b>	3.531	Computer Technology	create, edit, save and print a word processed document
<b>3.506</b>	3.534	Computer Technology	with assistance, create a multimedia presentation
<b>3.507</b>	3.504	Information Literacy	describe the basic organization of the library
<b>3.508</b>	3.516	Computer Technology	identify basic components of a computer
<b>3.509</b>	3.519	Computer Technology	demonstrate proper handling and use of computers
<b>3.510</b>	3.522	Computer Technology	identify proper start-up and termination procedures on a computer
<b>3.511</b>	3.525	Computer Technology	identify proper start-up and termination procedures for various software applications

**Language Arts**

	3.031	Listening, Speaking and Viewing	listen to teachers and peers for information and understanding and respond appropriately
	3.034	Listening, Speaking and Viewing	speak clearly and expressively in small and large group settings
	3.037	Listening, Speaking and Viewing	answer both literal and interpretive questions about a presentation
	3.001	Reading	read fiction and non-fiction
	3.002	Reading	demonstrate reading comprehension of various types of texts through oral and written strategies
	3.004	Reading	relate literature to oneself
	3.007	Reading	read, then compare and contrast literature that reflects other cultures
	3.01	Reading	orally read a sight word vocabulary of 500 words
	3.013	Reading	identify a specific purpose for reading such as learning, locating information and enjoyment
	3.016	Spelling	spell the first 300 Fry words and use standard conventions in writing, appropriate to grade level
	3.019	Writing	explain and use the writing process
	3.022	Writing	write for a variety of audiences using different formats (such as letters, narratives, invitations, reports, poetry)
	3.025	Writing	use a model and write a series of grammatically correct sentences (paragraph) with a main idea, topic sentence, details and a conclusion
	3.028	Writing	write a simple report

**Language Arts/ Reading**

<b>3.001</b>	Word Attack	use knowledge of sounds to decode unknown words
<b>3.002</b>	Word Attack	identify syllable types (CVC - closed syllable, CV - open syllable, CVCe - silent e, r-controlled)
<b>3.003</b>	Word Attack	use hyphens correctly
<b>3.004</b>	Word Attack	use word endings correctly: man, er, or, en, tion, sion
<b>3.005</b>	Oral Reading/ Fluency	read the first 500 words on the Fry list automatically
<b>3.006</b>	Oral Reading/ Fluency	build fluency to 114 WCPM on the third grade DIBELS assessment
<b>3.007</b>	Word Study	identify parts of speech
<b>3.008</b>	Word Study	identify compound words, synonyms, and antonyms

<b>3.009</b>	Word Study	understands prefixes: ex, uni, bi, tri, after, post, mid, out, over, super
<b>3.010</b>	Word Study	identify root words
<b>3.011</b>	Vocabulary	understand and use content area and theme words
<b>3.012</b>	Vocabulary	use context clues to determine meaning
<b>3.013</b>	Vocabulary	understand multiple-meaning words
<b>3.014</b>	Comprehension	use strategies before reading
<b>3.015</b>	Comprehension	use strategies during reading
<b>3.016</b>	Comprehension	use strategies after reading
<b>3.017</b>	Comprehension	use fiction/ narrative strategies
<b>3.018</b>	Comprehension	use strategies for non-fiction/informational text

**Language Arts/ Writing**

<b>3.030</b>	Spelling	correctly spell the first 300 words on the Fry List
<b>3.031</b>	Spelling	correctly spell grade 3 Glass Analysis spelling words
<b>3.032</b>	Spelling	correctly spell the following contractions: 've, 'd
<b>3.033</b>	Spelling	understand and use the following spelling rules:
<b>3.034</b>	Six Traits of Writing	ideas
<b>3.035</b>	Six Traits of Writing	organization
<b>3.036</b>	Six Traits of Writing	word choice
<b>3.037</b>	Six Traits of Writing	sentence fluency
<b>3.038</b>	Six Traits of Writing	voice
<b>3.039</b>	Six Traits of Writing	conventions
<b>3.040</b>	Written Language Structure	paragraph level: write a paragraph with a topic sentence, main idea and details, and a conclusion
<b>3.041</b>	Written Language Structure	story level
<b>3.042</b>	Written Language Structure	report level: include intro, body with ideas grouped logically, and a conclusion

**Mathematics**

<b>3.101</b>	3.131	Communication and Problem Solving	communicate mathematical thinking coherently and clearly both orally and in writing and be able to justify results
<b>3.102</b>	3.134	Communication and Problem Solving	apply and adapt a variety of appropriate strategies to solve word problems
<b>3.103</b>	3.134	Data, Statistics and Probability	predict the probability of outcomes of simple experiments and test the predictions using common vocabulary: certain, equally likely, less likely, unlikely, most likely
<b>3.104</b>	3	Data, Statistics and Probability	interpret and construct representations of data
<b>3.105</b>	3.128	Functions and Algebra	identify and describe patterns that involve numbers and shapes
<b>3.106</b>	3	Functions and Algebra	identify properties such as commutative and associative, and identify and use them to compute in addition, subtraction and multiplication
<b>3.107</b>	3	Functions and Algebra	express mathematical relationships using equations and represent a variable as an unknown using a letter or a symbol ( $2 + n = 7$ )

<b>3.108</b>	3.122	Geometry and Measurement	understand the attributes of area and perimeter and express the appropriate type of measurement for measuring each attribute using a variety of models, manipulatives and grids
<b>3.109</b>	3.122	Geometry and Measurement	identify, describe and use the various components of a clock and using the components for telling time: minute, half-hour, quarter-hour, elapsed time, AM, PM
<b>3.110</b>	3	Geometry and Measurement	interpret and apply calendar skills
<b>3.111</b>	3	Geometry and Measurement	demonstrate knowledge of the value of a collection of money
<b>3.112</b>	3.122	Geometry and Measurement	appropriately and consistently make conversions within the systems: inch to foot, centimeter to meter, quart to gallon, gram to kilogram, ounce to pound
<b>3.113</b>	3	Geometry and Measurement	read a thermometer in Celsius and Fahrenheit to 1 degree
<b>3.114</b>	3.122	Geometry and Measurement	estimate and use appropriately units of measure: customary and metric
<b>3.115</b>	3.125	Geometry and Measurement	identify and distinguish basic geometric shapes: triangles, squares, rectangles, rectangles, rhombi, trapezoids, hexagons, circles, diamond, parallelogram (polygons) and create new figures using basic shapes
<b>3.116</b>	3.125	Geometry and Measurement	identify, describe and construct congruent figures using models or other representations
<b>3.117</b>	3.125	Geometry and Measurement	identify and describe symmetrical figures and recognize multiple lines of symmetry
<b>3.118</b>	3.128	Geometry and Measurement	describe attributes of angles: number of angles in a figure; identify acute angles, right angles obtuse angles
<b>3.119</b>	3.128	Geometry and Measurement	identify, describe and construct solid geometric shapes and identify properties of these shapes (cylinders, cones, cubes, spheres, pyramids, faces or sides, edges, corners or angles
<b>3.120</b>	3.101	Number and Operations	accurately compute addition and subtraction math facts (0-18) as demonstrated on a timed test
<b>3.121</b>	3.107	Number and Operations	accurately compute multiplication and division facts as demonstrated on a timed test (through the five's test)
<b>3.122</b>	3.110	Number and Operations	understand the place value number system (base ten) from 0-999 through standard and expanded form, equivalencies, comparisons, estimating, and rounding by using models, explanations or other representations
<b>3.123</b>	3.131	Number and Operations	accurately compute addition and subtraction problems with regrouping (numbers up to three digits). Demonstrate strategies using manipulatives such as base ten blocks
<b>3.124</b>	3.131	Number and Operations	order and compare decimals (tenths, hundredths)
<b>3.125</b>	3.131	Number and Operations	describe or illustrate the relationship between operations: the inverse relationship between addition and subtraction by using models, number lines or representations
<b>3.126</b>	3.131	Number and Operations	describe or illustrate the relationship between operations such as repeated addition and multiplication and repeated subtraction and division, inverse relationships multiplication and division and arrays and multiplication
<b>3.127</b>	3.131	Number and Operations	understand the place value structure of the base ten number system through: representing and comparing whole numbers and decimals( 10ths and 100ths); relationship of decimals to money; relationship of decimals to common fractions
<b>3.128</b>	3.131	Number and Operations	use a variety of mental computation, estimation techniques and measurement skills to solve problems or equations
<b>3.129</b>	3.131	Number and Operations	order, compare, add and subtract common fractions with like denominators and identify equivalent forms of fractions
<b>Music</b>			
	3.8073	Appreciation	discuss why they like or dislike a work of art
	3.8133	Communication	communicate ideas and emotions using the art form
	3.8133	Communication	discuss what they think the artist is trying to communicate through a work of art and explain how they arrived at their decision

3.8163	History and Culture	make a connection between the arts and history and culture
3.8193	History and Culture	explain, at a basic level, how arts are influenced by the culture in which they are created
2.8013	Performance	identify basic elements and principles of an art form, appropriate to grade level
3.8043	Performance	create and/or perform a basic work of art that reflects an ability to select and use the elements and principles of the form

**Physical Education**

<b>3.401</b>	3.44	Skill and Fitness	demonstrate basic non-locomotor and locomotor movements in personal and general space
<b>3.402</b>	3.443	Skill and Fitness	demonstrate age-appropriate manipulative skills
<b>3.403</b>	3.452	Skill and Fitness	use locomotor, non-locomotor, manipulative and social skills in low organized games
<b>3.404</b>	3.437	Wellness and Health	participate in class activities
<b>3.405</b>		Safety and Prevention	arrive to class prepared for safe physical activity
<b>3.406</b>	3.446	Safety and Prevention	demonstrate responsible personal and social behavior in games and activities
<b>3.407</b>	3.449	Wellness and Health	demonstrate understanding and respect for the differences in performance among one's peers during games and activities
<b>3.408</b>		Wellness and Health	demonstrate value for physical activity

**Science**

3.228	Earth Science	identify/discuss planets as a system in our solar system
3.231	Life Science	define, describe and compare habitats
3.234	Life Science	discuss the interactions among populations of plants, plant-eaters, animal-eaters, and plant/animal eaters
3.237	Life Science	discuss the concept of a food chain
3.21	Physical Science	describe objects by their specific properties
3.213	Physical Science	compare and contrast different materials and their properties
3.216	Physical Science	categorize objects according to the materials of which they are made
3.219	Physical Science	identify property categories and sort objects into groups according to specific properties
3.225	Physical Science	identify and describe a variety of interactions
3.222	Physical Science, Life Science	explain the interrelationships between the physical and natural worlds
3.204	Scientific Investigation	make simple predictions and then experiment to prove or disprove those predictions
3.207	Scientific Investigation, Data Analysis	observe, collect, record, graph, describe and compare data
3.201	Scientific Investigation, Problem solving and Reasoning	use variety of strategies to solve problems

**Social Studies**

3.322	Civics	discuss major current events
3.325	Economics and Math	explain the purpose of and create a simple budget (incorporating basic math skills)
3.31	Geography	use, at a basic level, maps and globes to identify continents, oceans and the equator; locate major countries, states and cities; and determine directionality
3.313	History	identify and discuss American heroes

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3.316	History	describe an ancient civilization, including its location, people, daily life, culture, contributions and time in history
3.319	History	describe medieval times, including location, people, daily life, culture, contributions and time in history
3.323	Social Skills and Research Skills	demonstrate a respect and responsibility toward self and others
3.304	Social Skills and Research Skills, Data Analysis	collect and organize data into graphs and charts
3.307	Social Skills and Research Skills, Information Literacy	locate information from a variety of resources
3.301	Social Skills and Research Skills, Writing, Listening, Information Literacy	create and provide a simple oral and written presentation of a research project

**4 Grade**

Number	Old Bnchmk Number	Topic	Benchmark description
<b>Art</b>			
	5.8074	Appreciation	explain how various inventions contribute to the development of a work of art
	5.8134	Communication	use a variety of skills, elements and principles to communicate ideas, emotions, experiences, and stories
	5.814	Communication	identify which elements and principles were utilized and stressed in the development of a work of art
	5.8164	History and Culture	compare at a basic level, the characteristics of artworks in various eras and cultures
	5.8014	Performance	identify basic elements and principles of an art form, appropriate to grade level
	5.8044	Performance	create and/or perform a basic work of art that reflects an ability to select and use the elements and principles of the form
<b>Handwriting</b>			
	4.901	Loops and Other Groups	read cursive writing
	4.904	Loops and Other Groups	transcribe from manuscript to cursive and cursive to manuscript
	4.907	Loops and Other Groups	use cursive in all disciplines
<b>Health</b>			
<b>4.601</b>	4.401	Human Growth and Development	discuss the various physical, social and emotional changes that occur as children enter preadolescence
<b>4.602</b>	4.413	Nutrition and Fitness	relate good nutrition to total wellness
<b>4.603</b>	4.416	Nutrition and Fitness	demonstrates the importance of good personal hygiene habits
<b>4.604</b>	4.419	Nutrition and Fitness: Self-esteem and Family Life	describe how to build/maintain healthy friendships & family relationships
<b>4.605</b>	4.404	Safety and Prevention	identify common symptoms and respond appropriately to types of stress
<b>4.606</b>	4.407	Safety and Prevention	describe common emergency situations and describe appropriate responses
<b>4.607</b>	4.41	Safety and Prevention	distinguish between harmful and helpful substances
<b>4.608</b>	4.422	Community and Environment	interact with the community and environment in a manner which protects, preserves and improves the surroundings
<b>Info. Literacy and Comp. Tech.</b>			
<b>4.501</b>	4.507	Information Literacy	brainstorm to develop a set of questions, which are carefully aligned and focused on a designated main idea
<b>4.502</b>	4.510	Information Literacy	demonstrate the ability to locate specific information in print, non-print, and/or electronic resources
<b>4.503</b>	4.503	Information Literacy	with assistance, use advanced searching features of electronic resources
<b>4.504</b>	4.513	Computer Technology	save and locate files
<b>4.505</b>	4.5131	Computer Technology	electronically edit and revise word-processed documents
<b>4.506</b>	4.519	Computer Technology	with assistance, use spreadsheets to organize data and create graphs
<b>4.507</b>	4.522	Computer Technology	with assistance, use a simple database
<b>4.508</b>	4.525	Computer Technology	create a simple multimedia presentation that includes text, graphics and sound
<b>4.509</b>	4.528	Computer Technology	demonstrate proper keyboarding techniques

**Language Arts**

4.022	Listening, Speaking and Viewing	demonstrate oral presentation skills through individual/small group presentation
4.025	Listening, Speaking and Viewing	listen to and view a variety of presentations, develop questions and respond effectively to questions about the presentation
4.028	Listening, Speaking and Viewing	take notes about a presentation and formulate questions
4.001	Reading	read grade level materials fluently and with proper phrasing
4.004	Reading	orally read a sight word vocabulary of more than 750 words
4.007	Reading	use strategies appropriately to comprehend reading
4.01	Reading	identify story elements, predict and verify outcomes; identify organizational patterns (i.e. fact vs. opinion, cause and effect, compare/contrast)
4.013	Spelling	spell district spelling words
4.016	Writing	create a coherent, organized piece of writing based upon own experiences and/or reactions to other writing
4.019	Writing, Information Literacy	write a report with a minimum of 3 paragraphs and include a simple bibliography (author, title, copyright in alphabetical order with punctuation)

**Language Arts/ Reading**

4.001	Word Attack	use knowledge of sounds to decode unknown words
4.002	Word Attack	identify six syllable types (CVC - closed syllable, CV - open syllable, CVCe - silent e, r-controlled, CVVC - long vowel pair, Cle - consonant followed by 'le')
4.003	Word Attack	use hyphens correctly
4.004	Oral Reading/ Fluency	build oral fluency to 118 WCPM on the fourth grade level material while attending to punctuation
4.005	Word Study	identify parts of speech: nouns, pronouns, verbs, adjectives, adverbs, prepositions
4.006	Word Study	identify synonyms, antonyms, homonyms
4.007	Word Study	understands prefixes: im, in, pro, con, sub
4.008	Word Study	identify root words
4.009	Word Study	understand suffixes: tion, sion, ish, less, ment, ful, ly, able
4.010	Vocabulary	understand and use content area and theme words
4.011	Vocabulary	use context clues to determine meaning
4.012	Vocabulary	understand multiple-meaning words, and shades of meaning
4.013	Comprehension	use strategies before reading
4.014	Comprehension	use strategies during reading
4.015	Comprehension	use strategies after reading
4.016	Comprehension	use fiction/ narrative strategies
4.017	Comprehension	use strategies for non-fiction/informational text

**Language Arts/ Writing**

4.030	Spelling	grade 4 spelling curriculum
4.035	Six Traits of Writing	ideas

<b>4.036</b>	Six Traits of Writing	organization
<b>4.037</b>	Six Traits of Writing	word choice
<b>4.038</b>	Six Traits of Writing	sentence fluency
<b>4.039</b>	Six Traits of Writing	voice
<b>4.040</b>	Six Traits of Writing	conventions
<b>4.041</b>	Written Language Structure	paragraph level: write a paragraph with a topic sentence, main idea, and details, and a conclusion
<b>4.042</b>	Written Language Structure	story level
<b>4.043</b>	Written Language Structure	report level

**Mathematics**

<b>4.101</b>	4.107	Communication and Problem Solving	use mental computation techniques to solve problems
<b>4.102</b>	4.11	Communication and Problem Solving	solve problems that require the use of multi-step strategies
<b>4.103</b>	4.113	Communication and Problem Solving	verify results and discuss the reasonableness of the solution
<b>4.104</b>	4.125	Communication and Problem Solving	communicate mathematical ideas, processes and solutions to problems orally and in writing
<b>4.105</b>	4.128	Data, Statistics and Probability	collect data and construct, interpret and analyze bar, pie, and line graphs
<b>4.106</b>	4.128	Data, Statistics and Probability	find the median, mode, or range for a given set of data and analyze patterns and trends
<b>4.107</b>	4.128	Data, Statistics and Probability	describe a probability as likely, unlikely, impossible, or certain and use a fraction to express the probability of an event
<b>4.108</b>	4	Functions and Algebra	demonstrate understanding of algebraic expressions by using letters or symbols to represent unknown quantities
<b>4.109</b>	4	Functions and Algebra	identify, represent, and analyze patterns and functions and write a rule in words or symbols
<b>4.110</b>	4	Functions and Algebra	demonstrate understanding of equality by showing equivalence between two expressions
<b>4.111</b>	4.122	Geometry and Measurement	identify, describe, and draw models of rays, parallel and perpendicular lines, and a variety of angles
<b>4.112</b>	4.116	Geometry and Measurement	estimate capacity using liters, quarts, and gallons
<b>4.113</b>	4.118	Geometry and Measurement	name, describe, and construct two and three dimensional shapes
<b>4.114</b>	4.119	Geometry and Measurement	estimate, measure, and demonstrate understanding of perimeter and area of rectangles, polygons, or irregular shapes
<b>4.115</b>	4.119	Geometry and Measurement	uses units of measure and makes conversions within the customary and metric systems when solving problems
<b>4.116</b>	4.123	Geometry and Measurement	demonstrate understanding of congruent and similar figures through models, drawings, or writing
<b>4.117</b>	4.101	Number and Operations	demonstrate mastery of multiplication and division facts with factors less than or equal to 12
<b>4.118</b>	4.102	Number and Operations	demonstrate whole number sense to one million using models, explanations, or other representations
<b>4.119</b>	4.102	Number and Operations	demonstrate understanding of the inverse relationship between multiplication and division of whole numbers as well as understanding of the relationship between repeated subtraction and division
<b>4.120</b>	4.104	Number and Operations	add and subtract decimals and simple fractions with like and unlike denominators as well as demonstrate the understanding of place value with respect to fractions and decimals
<b>4.121</b>	4.105	Number and Operations	convert simple fractions to decimals and decimals to fractions
<b>4.122</b>		Functions and Algebra	graph ordered pairs
<b>4.123</b>		Functions and Algebra	multiply 3 factors using properties of multiplication (commutative and associative)

<b>4.124</b>	Functions and Algebra	find perimeter, area, and volume using a formula
<b>4.125</b>	Functions and Algebra	write equations for word sentences
<b>4.126</b>	Number and Operations	multiply 2 or 3 digit numbers by a 1 digit number
<b>4.127</b>	Number and Operations	multiply 2 or 3 digit number by a 2 digit number
<b>4.128</b>	Number and Operations	multiply money by a 1 or 2 digit number
<b>4.129</b>	Number and Operations	divide with remainders
<b>4.130</b>	Number and Operations	interpret remainders
<b>4.131</b>	Number and Operations	divide up to a 3 digit number (including money) by a 1 digit number
<b>4.132</b>	Number and Operations	use divisibility rules to determine mentally if a number is divisible by 2, 3, 5, 9, or 10
<b>4.133</b>	Number and Operations	find average or mean

**Music**

4.8074	Appreciation	explain how various inventions contribute to the development of a work of art
4.8134	Communication	use a variety of skills, elements and principles to communicate ideas, emotions, experiences, and stories
4.8144	Communication	identify which elements and principles were utilized and stressed in the development of a work of art
4.8164	History and Culture	compare at a basic level, the characteristics of artworks in various eras and cultures
4.8014	Performance	identify basic elements and principles of an art form, appropriate to grade level
4.8044	Performance	create and/or perform a basic work of art that reflects an ability to select and use the elements and principles of the form

**Physical Education**

<b>4.401</b>	4.434	Skill and Fitness	perform age-appropriate manipulative skills
<b>4.402</b>	4.443	Skill and Fitness	use locomotor, non-locomotor, manipulative and social skills in low organized games
<b>4.403</b>	4.446	Skill and Fitness	identify the benefits derived from regular physical activity
<b>4.404</b>	4.428	Wellness and Health	participate in class activities
<b>4.405</b>	4.425	Safety and Prevention	arrive to class prepared for safe physical activity
<b>4.406</b>	4.44	Wellness and Health	demonstrate understanding and respect for the differences in performance among one's peers during games and activities
<b>4.407</b>	4.437	Safety and Prevention	demonstrate responsible personal and social behavior in games and activities
<b>4.408</b>	4.449	Social Interaction	work cooperatively and productively with a partner and/or small group

**Science**

4.213	Earth Science	compare and contrast important features of the earth, moon and sun
4.216	Earth Science	investigate the relative position and motion of the earth, moon and sun
4.222	Earth Science	explain the causes of night, day, seasons, phases of the moon, and eclipses
4.219	Earth Science, Data Analysis	determine, plot and analyze the position of a shadow at various times of the day/year
4.225	Earth Science, Scientific Investigation	design and carry out a controlled experiment that has, as the variable, one particular environmental factor
4.228	Life Science	describe similarities and differences in the responses of plants and animals to changes in environmental factors

4.231	Life Science, Human Growth and Development	explain the role of the circulatory system and the major organs as they relate to circulation
4.204	Physical Science	select and use reference objects in the immediate environment to describe the relative position of other objects
4.207	Physical Science	locate objects and places using rectangular coordinates
4.21	Physical Science	describe directions using degrees of angle
4.201	Scientific Investigation, Data Analysis	record and display data in the form of a histogram

**Social Studies**

<b>4.301</b>	4.322	Civics	explain structure of local and state government and the responsibilities of an involved citizen
<b>4.302</b>		Civics	explore current events in the US regions
<b>4.303</b>	4.328	Economics	explain major changes in New Hampshire's economy from colonial times to the present
<b>4.304</b>		Economics	explore economic base of US regions including NH
<b>4.305</b>	4.304	Geography	explain and use symbols, legends and coordinates
<b>4.306</b>		Geography	describe the physical processes that shaped NH's land form
<b>4.307</b>	4.307	Geography	use a map to locate the New England states and locations in New Hampshire
<b>4.308</b>	4.31	Geography	describe the New Hampshire lifestyle and explain how the geography of New Hampshire affects that lifestyle
<b>4.309</b>		Geography	understand the concept of regions and use a map to locate each US region
<b>4.310</b>		Geography	understand how geographical features impact regional lifestyles
<b>4.311</b>	4.313	History	explain impact of Native Americans on the history/culture of New England
<b>4.312</b>	4.316	History	compare and contrast the colonial period (prior to American Revolution) of New Hampshire with regard to various aspects of daily living
<b>4.313</b>	4.319	History	explain the contributions of famous New Hampshire people including early explorers
<b>4.314</b>		History	understand and interpret time in years, decades and centuries through the use of time lines
<b>4.315</b>		History	explore the history of US regions

**5 Grade**

Number	Old Bnchmk Number	Topic	Benchmark description
<b>Art</b>			
	5.8075	Appreciation	explain how various inventions contribute to the development of a work of art
	5.8134	Communication	use a variety of skills, elements and principles to communicate ideas, emotions, experiences, and stories
	5.815	Communication	identify which elements and principles were utilized and stressed in the development of a work of art
	5.8165	History and Culture	compare at a basic level, the characteristics of artworks in various eras and cultures
	5.8015	Performance	identify basic elements and principles of an art form, appropriate to grade level
	5.8045	Performance	create and/or perform a basic work of art that reflects an ability to select and use the elements and principles of the form
<b>Handwriting</b>			
	5.901	Loops and Other Groups	determine when it is appropriate to use cursive or the keyboard, using cursive for all disciplines except when using the keyboard
	5.9011	Loops and Other Groups and Computer Technology	determine when it is appropriate to use cursive or the keyboard, using cursive for all disciplines except when using the keyboard
<b>Health</b>			
<b>5.601</b>	5.401	Human Growth and Development	identify the structures and functions of the immune system and identify common communicable diseases
<b>5.602</b>	5.413	Nutrition and Fitness	discuss the components of a healthy diet
<b>5.603</b>	5.416	Nutrition and Fitness	participate in physical activity on a regular basis
<b>5.604</b>	5.419	Nutrition and Fitness: Self-esteem and Family Life	explain how personal behaviors and choices significantly impact health
<b>5.605</b>	5.422	Nutrition and Fitness: Self-esteem and Family Life	explain the relationship between intellectual, social, emotional and physical factors on well-being
<b>5.606</b>	5.404	Safety and Prevention	identify common causes of stress in young people
<b>5.607</b>	5.407	Safety and Prevention	identify ways that stress impacts health
<b>5.608</b>	5.41	Safety and Prevention	discuss dangers of the improper use of drugs
<b>Info. Literacy and Comp. Tech.</b>			
<b>5.501</b>	5.501	Information Literacy	with assistance, determine the information needed to solve a problem
<b>5.502</b>	5.507	Information Literacy	identify appropriate topics and keywords
<b>5.503</b>	5.504	Information Literacy	access and use information from a variety of information sources: print, electronic, visual, personal interviews, etc.
<b>5.504</b>	5.519	Computer Technology	demonstrate proper keyboarding techniques
<b>5.505</b>	5.522	Computer Technology	create, organize, store and back up data
<b>5.506</b>	5.525	Computer Technology	create word processed documents that have been drafted, revised and edited electronically
<b>5.507</b>	5.528	Computer Technology	use spreadsheets to organize data and to produce charts and graphs
<b>5.508</b>	5.531	Computer Technology	use a database to access and organize information

<b>5.509</b>	5.534	Computer Technology	create a multimedia presentation that includes text, graphics and sound
<b>5.510</b>	5.537	Computer Technology	identify peripheral devices and demonstrate uses (including but not limited to printers, scanners and digital cameras)

**Language Arts**

	5.022	Listening, Speaking and Viewing	use and respond to spoken language appropriate to the topic, purpose and/or audience
	5.025	Listening, Speaking and Viewing	respond to and evaluate information presented
	5.001	Reading	choose materials that are appropriate to own reading skill and for the task at hand, such as reading for enjoyment, to complete an assignment, or to carry out a project
	5.004	Reading	generate questions before, during and after reading to enhance understanding and recall
	5.007	Reading	define and explain the meaning of words in context
	5.01	Spelling	spell district spelling words
	5.013	Writing	given a writing prompt, develop a piece of writing with strong ideas and content, organization, conventions, word choice, voice and sentence fluency
	5.016	Writing	select and use a form, style and expression appropriate to the personal or academic purpose of their writing
	5.019	Writing	write for a variety of audiences using different formats

**Language Arts/ Reading**

<b>5.001</b>		Word Attack	use knowledge of sounds to decode unknown words
<b>5.002</b>		Word Attack	identify syllable types (CVC - closed syllable, CV - open syllable, CVCe - silent e, r-controlled, CVVC - long vowel pair, Cle - consonant followed by "le")
<b>5.003</b>		Word Attack	use hyphens correctly
<b>5.004</b>		Oral Reading/ Fluency	build fluency to 128 WCPM on fifth grade level material while attending to punctuation
<b>5.005</b>		Word Study	identify parts of speech: nouns, pronouns, verbs, adjectives, adverbs, prepositions, conjunctions and interjections
<b>5.006</b>		Word Study	identify synonyms, antonyms and homonyms
<b>5.007</b>		Word Study	understand suffixes: main, er, or, en, est, ly
<b>5.008</b>		Word Study	identify root words
<b>5.009</b>		Vocabulary	understand and use content area and theme words
<b>5.010</b>		Vocabulary	use context clues to determine meaning
<b>5.011</b>		Vocabulary	understand multiple-meaning words and shades of meaning
<b>5.012</b>		Comprehension	use strategies before reading

**Language Arts/ Writing**

<b>5.030</b>		Spelling	grade 5 spelling curriculum
<b>5.035</b>		Six Traits of Writing	ideas
<b>5.036</b>		Six Traits of Writing	organization
<b>5.037</b>		Six Traits of Writing	word choice
<b>5.038</b>		Six Traits of Writing	sentence fluency
<b>5.039</b>		Six Traits of Writing	voice

<b>5.040</b>		Six Traits of Writing	conventions
<b>5.041</b>		Written Language Structure	paragraph level: write a paragraph with a topic sentence, main idea and details, and a conclusion
<b>5.042</b>		Written Language Structure	story level
<b>5.043</b>		Written Language Structure	report level

**Mathematics**

<b>5.101</b>	5	Communication and Problem Solving	solve problems that require the use of multi-step strategies, verify results and discuss the reasonableness of the solution
<b>5.102</b>	5.122	Communication and Problem Solving	communicate processes of and solutions to mathematical problems
<b>5.103</b>	5.113	Data, Statistics and Probability	make predictions of probable outcomes
<b>5.104</b>	5.125	Data, Statistics and Probability	use charts, tables and graphs to gather and evaluate data
<b>5.105</b>	5.125	Data, Statistics and Probability	analyze patterns, trends or distributions in data using mean, median, and mode
<b>5.106</b>	5.125	Data, Statistics and Probability	construct appropriate graphs to represent data
<b>5.107</b>	5.107	Functions and Algebra	demonstrate conceptual understanding of algebraic expressions and equalities
<b>5.108</b>	5.107	Functions and Algebra	identify and extend to specific cases a variety of patterns and write a rule in words and symbols
<b>5.109</b>	5.107	Functions and Algebra	solve equations with one operation
<b>5.110</b>	5.107	Functions and Algebra	determine which values of a replacement set make a multi-step equation a true statement
<b>5.111</b>	5.119	Geometry and Measurement	name, describe, construct and measure two and three dimensional geometric figures
<b>5.112</b>	5.119	Geometry and Measurement	make congruent figures using reflections, translations, and rotations
<b>5.113</b>	5.116	Geometry and Measurement	use both standard and metric tools to accurately measure distance, volume, area, perimeter, mass, temperature, and time
<b>5.114</b>	5.11	Number and Operations	solve mathematical problems using mental computation and estimation
<b>5.115</b>	5.101	Number and Operations	accurately and fluently add, subtract, multiply, and divide whole numbers as well as demonstrate the understanding of place value with respect to whole numbers
<b>5.116</b>	5.104	Number and Operations	use fractions and decimals in all operations as well as demonstrate the understanding of place value with respect to fractions and decimals

**Music**

	5.8075	Appreciation	explain how various inventions contribute to the development of a work of art
	5.8135	Communication	use a variety of skills, elements and principles to communicate ideas, emotions, experiences, and stories
	5.8155	Communication	identify which elements and principles were utilized and stressed in the development of a work of art
	5.8165	History and Culture	compare at a basic level, the characteristics of artworks in various eras and cultures
	5.8015	Performance	identify basic elements and principles of an art form, appropriate to grade level
	5.8045	Performance	create and/or perform a basic work of art that reflects an ability to select and use the elements and principles of the form

**Physical Education**

<b>5.401</b>	5.434	Skill and Fitness	perform age-appropriate manipulative skills
<b>5.402</b>	5.443	Skill and Fitness	use locomotor, non-locomotor, manipulative and social skills in low organized games
<b>5.403</b>	5.446	Skill and Fitness	identify the benefits derived from regular physical activity

<b>5.404</b>	5.428	Wellness and Health	participate in class activities
<b>5.405</b>		Safety and Prevention	arrive to class prepared for safe physical activity
<b>5.406</b>	5.452	Skill and Fitness	exhibit age-appropriate level of fitness
<b>5.407</b>	5.44	Wellness and Health	demonstrate understanding and respect for the differences in performance among one's peers during games and activities
<b>5.408</b>	5.437	Wellness and Health	demonstrate responsible personal and social behavior in games and activities
<b>5.409</b>	5.449	Wellness and Health/Social Interaction	work cooperatively and productively with a partner and/or small group

**Science**

	5.207	Earth Science	explain the structure and formation of the changing earth
	5.21	Earth Science, Geography	evaluate the impact of weather on land and people
	5.213	Life Science	explain how environmental factors affect plants and animals
	5.219	Life Science	explain the concepts of producers and consumers as they apply to food chains
	5.216	Life Science, Community and Environment	describe similarities and differences in the responses of plants and animals to changes in communities
	5.222	Life Science, Health	explain the role of the nervous and digestive systems and the major organs in each
	5.204	Physical Science	explain the concept of energy transfer and identify and describe various types of energy transfer
	5.201	Scientific Investigation, Data Analysis	design, conduct and analyze experiments using scientific data, processes and methods

**Social Studies**

<b>5.301</b>	5.313	Civics/Government	discuss and explain the importance of the United States Constitution and the Bill of Rights including the ability to recite the preamble of the Constitution
<b>5.302</b>		Civics/Government	list and describe the rights and responsibilities of a US citizen
<b>5.303</b>		Civics/Government	demonstrate an understanding of the basic responsibilities and powers of the three branches of government
<b>5.304</b>		Economics	define and explain the importance of the following terms: supply, demand, cash crop, trade, product, economies
<b>5.305</b>		Economics and Geography	explain and provide examples of how geographic location effects economic success during the colonial period
<b>5.306</b>		Economics and Geography	explain and provide examples of how geographic location effects economic success in the northern and southern states during the Civil War
<b>5.307</b>	5.307	Geography	demonstrate mapping skills by labeling the following: major features (mountain ranges, bodies of water, etc.); major cities of the USA (10-12); and places of historical and current significance to the United States of America
<b>5.308</b>	5.301	Geography	demonstrate geographic skills by reading a variety of maps and understanding their symbols and terminology
<b>5.309</b>		Geography	on a world map, students should be able to: 1)label the major physical features (e.g. mountain ranges, bodies of water, deltas, deserts, bays, etc) and 2)label major countries related to the history of the United States
<b>5.310</b>		History	summarize the significance of documents developed before, during and after the American Revolution to include: the Declaration of Independence, Articles of Confederation, Constitution and the Bill of Rights
<b>5.311</b>		History and Geography	list some of the major inventors and inventions of 1800-1863 during the Industrial Revolution
<b>5.312</b>		History and Geography	describe why and how people moved west and the difficulties they faced to include: pioneer relationships with Native Americans and the impact of the Gold Rush during the Westward Expansion era
<b>5.313</b>		History and Geography	demonstrate knowledge of the various geographic explorations by European nations (mainly North America)

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<b>5.314</b>	History and Geography	compare and contrast how the colonies developed and the major differences between government, resources, economics and culture (New England vs. Middle vs. Southern - regionally)
<b>5.315</b>	History and Geography	summarize the overriding cause, the important people and events, and the results of the Civil War
<b>5.316</b>	History and Geography	demonstrate knowledge of the American Revolution to include: why it was fought, significant events and individuals, and its outcome

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**6 Grade**

Number	Old Bnchmk Number	Topic	Benchmark description
<b>Health</b>			
6.401		Health	discuss the short-term and long-term use of alcohol, tobacco and other drug use
6.402	6.417	Health	identify the major physical, social, and emotional changes of adolescence
6.403	6.41	Health	identify the importance of personal hygiene in daily life and proper care of skin, teeth, hair, and eyes
6.404	6.413	Health	identify and describe the function of the skeletal, muscular, nervous, respiratory, circulatory, digestive, and immune systems
6.405	6.42	Health	identify, describe and demonstrate skills to build and maintain healthy relationships
6.406		Health	identify stress and ways to manage it
<b>Info. Literacy and Comp. Tech.</b>			
6.501	6.5011	Information Literacy	determine the information needed to solve a problem
6.502	6.5041	Information Literacy	with assistance, develop research questions
6.503	6.507	Information Literacy	use the author, title, subject and keyword features of an electronic catalog
6.504	6.516	Information Literacy	gather information from a variety of print and electronic resources
6.505	6.513	Information Literacy	maintain a working bibliography on formatted templates
6.506	6.5191	Information Literacy	credit information sources used
6.507	6.522	Computer Technology	demonstrate a sound understanding of the nature and operation of technology systems
6.508	6.523	Computer Technology	use proper keyboarding techniques
6.509	6.525	Computer Technology	locate information from within word processed documents
6.510	6.5251	Computer Technology	practice responsible use of technology systems, information, and software
6.511	6.526	Computer Technology	practice security measures and follow the District Acceptable Use Policy for networked resources
6.512	6.528	Computer Technology	design, create and embed a chart within a document
6.513	6.529	Computer Technology	use technology tools to enhance learning, increase productivity, and promote creativity
6.514	6.531	Computer Technology	evaluate and select new information resources and technological innovations based on the appropriateness to specific tasks
6.515	6.5341	Computer Technology	use databases (productivity tool) to access a, organize and present
<b>Language Arts</b>			
6.001		Reading/ ELA	show an understanding of plot/ideas/concepts in response to literary or informative text
6.002	6.004	Reading/ ELA	make and support analytical judgments about literary or informational texts
6.003	6.022	Listening, Speaking, Viewing	develop speaking, viewing, and listening skills
6.004		Writing	begin to develop an understanding of the structures of sentences, paragraphs, and text
6.005	6.01	Writing	develop and demonstrate the habit of writing through the writing process and six traits plus one
6.006	6.013	Writing	create a story line and apply narrative strategies

<b>6.007</b>	6.019	Writing	apply rules of grammar, usage, and mechanics in writing
<b>6.008</b>	6.016	Writing, Information Literacy	use reports, procedures, or persuasive writing to organize and convey information gathered through research
<b>Mathematics</b>			
<b>6.101</b>	6.134	Communication and Connections	evaluate the validity of a mathematical statement
<b>6.102</b>	6	Computation, Numbers, Numeration, Operations	use estimates and rounded values for describing and comparing events
<b>6.103</b>	6	Computation, Numbers, Numeration, Operations	convert fractions to decimals and percents
<b>6.104</b>	6	Computation, Numbers, Numeration, Operations	convert decimals to fractions and percents
<b>6.105</b>	6	Computation, Numbers, Numeration, Operations	identify and apply relationships among factors, multiples, divisors, and products
<b>6.106</b>	6.101	Computation, Numbers, Numeration, Operations	accurately and fluently add, subtract, multiply, and divide decimals and fractions
<b>6.107</b>	6.104	Computation, Numbers, Numeration, Operations	identify and solve everyday applications of computation
<b>6.108</b>	6	Data Analysis	read and analyze bar, line, and coordinate graphs
<b>6.109</b>	6.	Data Analysis	choose appropriate units of measurement and develop benchmarks to make sense of measurement
<b>6.110</b>	6.137	Data Analysis	compare data using a variety of tables, charts, and graphs
<b>6.111</b>	6.	Geometry and Measurement	identify types of lines
<b>6.112</b>	6.1	Geometry and Measurement	classify polygons and triangles
<b>6.113</b>	6.122	Geometry and Measurement	measure and classify angles
<b>6.114</b>	6.128	Geometry and Measurement	identify point and line symmetry in given polygons
<b>6.115</b>	6.11	Problem-solving and Reasoning	estimate what percent one number is of another
<b>6.116</b>	6.113	Problem-solving and Reasoning	describe and properly use estimation and mental computation to solve problems where exact answers are not required
<b>6.117</b>	6.107	Problem-solving and Reasoning, Data Analysis	solve problems that are missing necessary information that must be discovered through research techniques
<b>Music</b>			
	6.801	Principles	identify the basic elements and principles of an art form, appropriate to grade level
	6.804	Principles	create and/or perform works of art using the basic elements and principles to solve specific visual or performing arts problems
	6.807	Principles	actively engage the creative processes in solving problems
	6.81	Principles	compare and contrast multiple purposes for creating works of art
	6.813	Principles	demonstrate a sensitivity to the role of unity in a work of art and how the principles of harmony, balance, contrast, emphasis, pattern, rhythm, and movement help to create this unity
	6.816	Principles	articulate own interpretation of what an artist is trying to communicate
	6.819	Principles	explain how subject matter, symbols, and ideas in works of art can communicate meaning

6.821	Principles	demonstrate a sensitivity to the aesthetic issues, and the visual and intellectual pleasure that can be derived from creating and/or viewing art
6.825	Principles	discuss works of art from a variety of cultures and historical periods
6.828	Principles	discuss how time and place influence the aesthetic and conceptual characteristics of a work of art

**Physical Education**

<b>6.401</b>	6.4341	Physical Education	demonstrate competency in many, and proficiency in a few movement forms through team, individual and dual sports
<b>6.402</b>	6.437	Physical Education	apply movement concepts and principles to the learning and development of motor skills
<b>6.403</b>	6.44	Physical Education	analyze performance using spring, rebound, and force principles in order to learn or improve a skill
<b>6.404</b>	6.4431	Physical Education	exhibit knowledge of terminology, rules, scoring and etiquette in team, individual and dual sports, specifically in soccer
<b>6.405</b>	6.449	Physical Education	assess personal fitness, compare scores to a health related standards, and set goals for improvement or maintenance
<b>6.406</b>	6.452	Physical Education	demonstrate accountability for responsible personal and social behavior in physical activity settings, applying appropriate personal and social behavior through a variety of activities
<b>6.407</b>	6.455	Physical Education	demonstrate understanding and respect for differences among people in physical activity setting, and apply to a problem solving activity
<b>6.408</b>	6.458	Physical Education	analyze patterns of physical activity and develop an activity that provides opportunities for enjoyment, challenge, self-expression and social interaction
<b>6.409</b>	6.550	Respect for Differences	demonstrate understanding and respect for differences among people in physical activity setting and apply to a problem solving activity
<b>6.410</b>	6.4521	Respect for Differences	develop an awareness of individual differences among people in physical activity settings through skill development

**Reading**

<b>6.020</b>	Comprehension	demonstrate a basic understanding of literary text through summarizing, paraphrasing, or sequencing major events
<b>6.021</b>	Comprehension	analyze and interpret elements of literary texts
<b>6.022</b>	Comprehension	demonstrate initial understanding of informational text use
<b>6.023</b>	Comprehension	analyze and interpret informational texts
<b>6.024</b>	Comprehension	begin to develop an understanding that reading is a process and apply before, during, and after reading strategies
<b>6.025</b>	Study Skills	learn and apply a range of study skills
<b>6.026</b>	Word Study	use strategies to identify the meaning of unfamiliar vocabulary including prefixes, suffixes, and base words, context clues, and parts of speech
<b>6.027</b>	Word Study	express an understanding of synonyms, antonyms, homonyms, multiple meanings, as well as figurative language

**Science**

6.219	Life Science	describe basic requirements of all organisms and explain their interdependence
6.222	Life Science	explain how various materials cycle through the environment (carbon dioxide, water, oxygen)
6.204	Physical Science	describe the properties of magnets
6.21	Physical Science	give examples of different kinds of energy and describe how one can be transformed into another

6.213	Physical Science	distinguish between objects that are opaque, transparent and translucent, and explain why they appear the color they do
6.216	Physical Science	describe or give an example of reflection and refraction
6.225	Physical Science	describe a force that causes an object to undergo a change in direction or speed
6.227	Physical Science	describe or conduct an investigation that illustrates that for every action there is an equal and opposite reaction
6.207	Physical Science, Scientific Investigation	plan, conduct and explain an investigation that demonstrates a complete circuit
6.201	Scientific Investigation, Data Analysis	conduct valid scientific experiments which include data presentation and interpretation

**Social Studies**

<b>6.301</b>	6.301	Social Skills and Research Skills	interpret political and relief maps
<b>6.302</b>	6.31	Geography	use a key, grid, index and/or symbols to locate information on a map
<b>6.303</b>	6.313	Geography	apply the five themes of geography to describe Canada and Latin America
<b>6.304</b>	6.307	Geography	use a map to determine an area's climate; show movement of people; uses of various land forms; and identify rural, urban and suburban areas
<b>6.305</b>	6.316	History Earth Science	identify and discuss ways people depend upon, use, adapt to and alter their physical environment and how this can be beneficial and/or harmful
<b>6.306</b>	6.319	History	create and interpret timelines
<b>6.307</b>	6	History	explain the significance of immigration of the Western Hemisphere 1870-1910
<b>6.308</b>	6.325	Civics	identify and explain factors that make up a civilization
<b>6.309</b>	6.328	Civics	discuss the contributions of the Maya, Inca and Aztec civilizations
<b>6.310</b>	6.331	Civics	compare and contrast the governments of the United States and Canada
<b>6.311</b>	6.334	Economics	provide examples that show how scarcity and choice govern economic and political decisions

**World language**

6.701	French and Spanish (Target languages for Grade 6)	greet and respond to greetings in the target language
6.704	French and Spanish (Target languages for Grade 6)	introduce and respond to introductions in the target language
6.707	French and Spanish (Target languages for Grade 6)	ask and answer simple questions using age appropriate vocabulary in the target language
6.71	French and Spanish (Target languages for Grade 6)	respond to basic commands in the target language
6.713	French and Spanish (Target languages for Grade 6)	identify cognates in the target language
6.716	French and Spanish (Target languages for Grade 6)	use days and months to describe calendar in the target language
6.719	French and Spanish (Target languages for Grade 6)	count and demonstrate understanding of numbers from 0 to 20 in the target language
6.722	French and Spanish (Target languages for Grade 6)	make simple requests in the target language

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6.725	French and Spanish (Target languages for Grade 6)	identify parts of the face and body using the target language
6.728	French and Spanish (Target languages for Grade 6)	identify classroom objects using the target language
6.731	French and Spanish (Target languages for Grade 6)	read and express understanding of the date
6.734	French and Spanish (Target languages for Grade 6)	identify geographic areas where the target languages are spoken
6.737	French and Spanish (Target languages for Grade 6)	discuss and demonstrate understanding of cultural customs and traditions in countries where the target language is spoken
6.74	French and Spanish (Target languages for Grade 6)	demonstrates basic listening comprehension skills.

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## 7 Grade

Number	Old Bnchmk Number	Topic	Benchmark description
<b>Health</b>			
7.401		Health	identify the short-term and long-term effects of alcohol, tobacco, and other drug use
7.402		Health	explain how to make a personal commitment not to use drugs
7.403		Health	perform basic first aid skills for common emergencies
7.404		Health	explain the benefits of healthful eating
7.405		Health	access nutrition information and products
7.406		Health	identify influences on food choices
7.407		Health	explain how to balance food intake and physical activity
7.408	7.423	Health	identify major changes that take place during adolescence
7.409		Health	explain the importance of making a personal commitment to abstain from sexual intercourse
7.410		Health	identify appropriate resources and support when they need help
7.411		Health	identify actions that involve personal health care
7.412		Health	explain various ways of preventing disease and infection
7.413		Health	identify major systems of the body and their purpose
<b>Info. Literacy and Comp. Tech.</b>			
7.501	7.501	Information Literacy	independently develop research questions
7.502	7.5011	Information Literacy	use advanced search tools in electronic catalog, search engines, and databases
7.503	7.5012	Information Literacy	take notes using graphic organizers or other templates
7.504	7.504	Information Literacy	organize information from multiple sources
7.505	7.516	Information Literacy	exhibit ethical and legal behavior when using information and technology
7.506	7.519	Computer Technology	use content specific tools, software and simulations to support learning and research
7.507	7.522	Computer Technology	format word processed documents
7.508	7.525	Computer Technology	create and use spreadsheets to organize, calculate and analyze data; make predictions; and produce charts/graphs
7.509	7.528	Computer Technology	use a computer to analyze and display data in tables, graphs or charts
7.510	7.531	Computer Technology	practice basic care and maintenance functions
7.511	7.533	Computer Technology	create a multimedia presentation that includes text, graphics and sound, including, where appropriate, hypermedia, video and other existing/emerging technologies
7.512	7.534	Computer Technology	use technology tools, such as multi-media presentation to aid in the demonstration of newly acquired knowledge and information
7.513	7.537	Computer Technology	create quality word processed documents which display information
7.514	7.538	Computer Technology	perform simple troubleshooting of hardware and software
7.515	7.539	Computer Technology	plan and create a database with appropriate fields

**Language Arts**

<b>7.001</b>	7.001	Reading/ ELA	show an understanding of plot/ ideas/ concepts in response to literary or informational text
<b>7.002</b>	7.004	Reading/ ELA	make and support analytical judgments about literary or informational texts
<b>7.003</b>	7.028	Listening, Speaking, Viewing	continue to develop speaking, viewing, and listening skills
<b>7.004</b>		Writing	continue to develop an understanding of the structures of sentences, paragraphs, and text
<b>7.005</b>		Writing	apply rules of grammar, usage, and mechanics in writing
<b>7.006</b>	7.016	Writing	develop and demonstrate the habit of writing through the writing process and the six traits plus one
<b>7.007</b>	7.022	Writing	create a story line and apply narrative strategies
<b>7.008</b>	7.019	Writing, Information Literacy	use reports, procedures, or persuasive writing to organize and convey information gathered through research

**Mathematics**

<b>7.101</b>	7.128	Communication and Connections	write algebraic expressions from verbal phrases
<b>7.102</b>	7	Computation, Numbers, Numeration, Operations	convert fractions to percents; percents to fractions
<b>7.103</b>	7	Computation, Numbers, Numeration, Operations	add, subtract, multiply, and divide integers
<b>7.104</b>	7	Data Analysis	represent data with line plots, bar graphs, coordinate graphs and stem-and-leaf graphs
<b>7.105</b>	7	Data Analysis	calculate the mean
<b>7.106</b>	7	Data Analysis	collect and organize categorical and numerical data
<b>7.107</b>	7	Data Analysis	create and graph on a four quadrant plane
<b>7.108</b>	7	Data Analysis	create graphs, tables, and charts to solve problems
<b>7.109</b>	7	Data Analysis	create and make predictions from graphs tables and charts
<b>7.110</b>	7.134	Data Analysis	distinguish between valid statistics and graphs and those which are misleading
<b>7.111</b>	7	Geometry/ Measurement	compute the perimeter, circumference, and area
<b>7.112</b>	7	Geometry/Measurement	use formulas to find rate, distance, area, perimeter and time
<b>7.113</b>	7.113	Problem-solving and Reasoning	solve word problems by using an equation
<b>7.114</b>	7	Problem solving and Reasoning	solve equations with integers
<b>7.115</b>	7	Problem solving and Reasoning	solve problems using proportion, ratio and percent
<b>7.116</b>	7.116	Problem-solving and Reasoning	use estimation to determine the accuracy of a solution
<b>7.117</b>	7.128	Communication and Connections	write algebraic expressions from verbal phrases
<b>7.118</b>	7.101	Computation, Numbers, Numeration, Operations	add, subtract, multiply and divide whole numbers, fractions, decimals and integers
<b>7.119</b>	7.104	Computation, Numbers, Numeration, Operations	explain and apply the order of operations
<b>7.120</b>	7.107	Computation, Numbers, Numeration, Operations	convert decimals to fractions and percents, and convert fractions to decimals and percents
<b>7.121</b>	7.131	Data Analysis	make predictions from graphs, tables and charts
<b>7.122</b>	7.134	Data Analysis	distinguish between valid statistics and graphs and those which are misleading

<b>7.123</b>	7.11	Problem-solving and Reasoning	solve equations with decimals, fractions, mixed numbers and integers
<b>7.124</b>	7.113	Problem-solving and Reasoning	solve word problems by using an equation
<b>7.125</b>	7.116	Problem-solving and Reasoning	use estimation to determine the accuracy of a solution

**Music**

	7.801	Principles	identify the basic elements and principles of an art form, appropriate to grade level
	7.804	Principles	create and/or perform works of art using the basic elements and principles to solve specific visual or performing arts problems
	7.807	Principles	actively engage the creative processes in solving problems
	7.81	Principles	compare and contrast multiple purposes for creating works of art
	7.813	Principles	demonstrate a sensitivity to the role of unity in a work of art and how the principles of harmony, balance, contrast, emphasis, pattern, rhythm, and movement help to create this unity
	7.816	Principles	articulate own interpretation of what an artist is trying to communicate
	7.819	Principles	explain how subject matter, symbols, and ideas in works of art can communicate meaning
	7.821	Principles	demonstrate a sensitivity to the aesthetic issues, and the visual and intellectual pleasure that can be derived from creating and/or viewing art
	7.825	Principles	discuss works of art from a variety of cultures and historical periods
	7.828	Principles	discuss how time and place influence the aesthetic and conceptual characteristics of a work of art

**Physical Education**

<b>7.401</b>	7.4281	Physical Education	demonstrate competency in many, and proficiency in a few movement forms through team, individual and dual sports
<b>7.402</b>	7.431	Physical Education	apply movement concepts and principles to the learning and development of motor skills
<b>7.403</b>	7.4341	Physical Education	analyze performance using spring, rebound, and force principles in order to learn or improve a skill
<b>7.404</b>	7.4371	Physical Education	exhibit knowledge of terminology, rules, scoring and etiquette in team, individual and dual sports, specifically in basketball+E308
<b>7.405</b>	7.441	Physical Education	achieve and maintain a health enhancing level of physical fitness
<b>7.406</b>	7.4431	Physical Education	assess personal fitness, compare scores to a health related standard, and set goals for improvement or maintenance
<b>7.407</b>	7.447	Physical Education	demonstrate accountability for responsible personal and social behavior in physical activity settings, applying appropriate personal and social behavior through a variety of activities
<b>7.408</b>	7.451	Physical Education	demonstrate understanding and respect for differences among people in physical activity setting, and apply to a problem solving activity
<b>7.409</b>	7.454	Physical Education	analyze patterns of physical activity and develop an activity that provides opportunities for enjoyment, challenge, self-expression and social interaction

**Reading**

<b>7.020</b>		Comprehension	demonstrate understanding of informational text use
<b>7.021</b>		Comprehension	continue to develop an understanding that reading is a process and apply before, during, and after reading strategies
<b>7.022</b>		Comprehension	analyze and interpret elements of literary texts
<b>7.023</b>		Comprehension	analyze and interpret informational texts

<b>7.024</b>	Comprehension	demonstrate an understanding of literary text through summarizing, paraphrasing, or sequencing major events
<b>7.025</b>	Word Study	express an understanding of synonyms, antonyms, homonyms, multiple meanings, as well as figurative language
<b>7.026</b>	Word Study	use strategies to identify the meaning of unfamiliar vocabulary including prefixes, suffixes, and base words, context clues, and parts of speech

**Science**

7.228	Earth Science	describe the relationship of plate tectonics to earthquakes and volcanism
7.231	Earth Science	explain the processes involved in erosion, deposition and rock formation; and establish a correlation between different locations using rock and fossil evidence
7.234	Earth Science	describe the processes involved in weathering and soil formation; and identify common soil conservation methods
7.225	Earth Science Geography	use maps to identify geographic and geologic features of the Earth
7.207	Physical Science	define and explain the importance of various types of pressures
7.21	Physical Science	interpret models, perform experiments and make observations on how fluids and pressure interact in daily life
7.213	Physical Science	demonstrate and interpret changes in pressure including temperature, moving fluids and changing force and/or area
7.216	Physical Science	define density and explain how it relates to buoyancy
7.219	Physical Science	provide a basic explanation of how sound occurs, and the characteristics of sound and sound waves
7.222	Physical Science	explain the relationship between wavelength, frequency and the speed of sound
7.201	Scientific Investigation	describe and correctly implement the scientific method in experiments and problem solving
7.204	Scientific Investigation, Geometry and Measurement	explain, calculate and measure length, area, mass, volume, weight and density using metric units and common scientific instruments

**Social Studies**

<b>7.301</b>	7.301	Social Skills and Research Skills, Data Analysis	read and analyze data based on thematic maps, graphs, charts and visuals
<b>7.302</b>	7.304	Geography	use maps and globes to apply the 5 themes of geography to the various regions of Europe, Asia, Africa, Eurasia and the Middle East
<b>7.303</b>	7.307	Geography	identify and describe the elements of culture; and explain the impact of culture on a given region
<b>7.304</b>	7.31	History Geography	evaluate the impact of historical events on culture
<b>7.305</b>	7.313	Civics	identify, compare and contrast, and analyze various forms of government
<b>7.306</b>	7.316	Civics	discuss how the concept of government in the eastern hemisphere differs from the western hemisphere
<b>7.307</b>	7.319	Economics, Civics	define and identify economic systems as related to forms of government studied
<b>7.308</b>	7.322	Economics	explain why economic systems develop according to availability of resources

**World language**

7.701	French OR Spanish	expresses likes and dislikes
7.704	French OR Spanish	describes self and others using the verb "to be" and appropriate adjective forms
7.707	French OR Spanish	identifies and discusses classroom objects, activities, schedules, and pastimes
7.71	French OR Spanish	expresses time and dates
7.713	French OR Spanish	uses the verb "to go" with places and expresses future activities

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7.716	French OR Spanish	expresses feelings and temporary conditions
7.719	French OR Spanish	uses the verb "to have" with appropriate expressions
7.722	French OR Spanish	uses regular and some irregular present tense verbs
7.725	French OR Spanish	uses appropriate vocabulary
7.728	French OR Spanish	expresses possession
7.731	French OR Spanish	reads simple paragraphs and/or dialogues with basic comprehension
7.734	French OR Spanish	demonstrate listening comprehension skills through watching language and cultural videos in Spanish and French.
7.737	French OR Spanish	writes a guided paragraph using appropriate vocabulary
7.74	French OR Spanish	demonstrates cultural customs and/or discusses customs from target cultures
7.744	French OR Spanish	explains how the language came to be spoken in various parts of the world

**8 Grade**

Number	Old Bnchmk Number	Topic	Benchmark description
<b>Family and Consumer Science Technology</b>			
8.916		Nutrition and Fitness	describe the nutritional value found in each of the food groups represented on the food guide pyramid and identify food sources of each of the nutrients
8.919		Problem Solving	use a variety of strategies to solve common problems
8.907		Problem Solving, Reading	demonstrate the ability to follow directions to complete projects (i.e. sewing and cooking labs)
8.904		Resource Management	compare and contrast types of energy and its effective use including renewable energy resources
8.913		Resource Management	competently use equipment to solve problems in and around the home
8.901		Safety in the home and workplace	demonstrate safe behaviors in and around the home and workplace
8.91		Safety in the home and workplace	safely and responsibly care for young children
8.922		Safety in the home and workplace	take responsibility for self and others in class, at home, and in the workplace
<b>Health</b>			
8.401		Health	identify the short term and long term effects of alcohol, tobacco and other drugs
8.402		Health	identify the positive and negative influences on alcohol, tobacco and other drugs
8.403	8.401	Health	identify the reproductive parts of the male and female reproductive systems
8.404		Health	explain the importance of decision making in regard to sexual activity
8.405		Health	identify what HIV and other sexually transmitted are and how to prevent them
8.406		Health	identify ways to prevent pregnancy
8.407		Health	identify how to manage stress
8.408		Health	identify what occurs with fetal development during each stage of pregnancy
<b>Info. Literacy and Comp. Tech.</b>			
8.501	8.507	Information Literacy	develop appropriate search strategies using print and electronic resources
8.502	8.504	Information Literacy	select sources appropriate for the information needed
8.503	8.508	Information Literacy	locate and evaluate information found in electronic resources
8.504	8.5101	Information Literacy	evaluate, extract, and record relevant information using keywords or phrases
8.505	8.511	Information Literacy	synthesize information from a variety of sources: print and electronic
8.506	8.522	Computer Technology	use proper keyboarding techniques
8.507	8.5251	Computer Technology	design, publish and present products (e.g. web pages, publications, etc.) using technology resources that demonstrate and communicate curriculum concepts to audiences, inside and outside the classroom
8.508	8.531	Computer Technology	understand the ethical, cultural, and societal issues related to technology
8.509	8.534	Computer Technology	use telecommunications to collaborate, publish, and interact with peers, experts, and other audiences (i.e. through teacher email or "ask the experts" on organizational websites)
8.510	8.537	Computer Technology	use technology to locate, evaluate, and collect information from a variety of sources
8.511	8.5381	Computer Technology	create and use databases to access, organize and analyze information to create reports

**Language Arts**

<b>8.001</b>	8.004	Reading/ ELA	make and support analytical judgments about literary or informational texts
<b>8.002</b>	8.007	Reading/ ELA	show an understanding of plot/ideas/concepts in response to literary or informational texts
<b>8.003</b>	8.028	Listening, Speaking, Viewing	continue to develop speaking, viewing, and listening skills
<b>8.004</b>		Writing	apply rules of grammar, usage, and mechanics in writing
<b>8.005</b>	8.013	Writing	demonstrate command of the structures of sentences, paragraphs, and texts
<b>8.006</b>	8.016	Writing	demonstrate the habit of writing through the writing process and the six traits plus one
<b>8.007</b>	8.022	Writing	create a story line and apply narrative strategies
<b>8.008</b>	8.019	Writing, Information Literacy	use reports, procedures, or persuasive writing to organize and convey information gathered through research

**Mathematics**

<b>8.101</b>	8	Communication and Connections	use the language of mathematics to describe and connect mathematical calculations
<b>8.102</b>	8	Communication and Connections	finding the slope of a line, interpret slope as the ratio of vertical change to horizontal change
<b>8.103</b>	8	Computation, Numbers, Numeration, Operations	explain and apply the order of operations
<b>8.104</b>	8.104	Computation, Numbers, Numeration, Operations	read, write and perform basic operations on rational numbers
<b>8.105</b>	8	Computation, Numbers, Numeration, Operations	use a five function calculator and the functions of a scientific calculator appropriate to a problem
<b>8.106</b>	8	Data Analysis	collect, analyze, and interpret data using graphs, table and charts
<b>8.107</b>	8	Geometry and Measurement	use the Pythagorean Theorem to solve problems
<b>8.108</b>	8	Geometry and Measurement	calculate the distance between two points in the plane
<b>8.109</b>	8	Geometry/Measurement	compute the area, volume, and surface area of two and three dimensional figures
<b>8.110</b>	8.113	Problem-solving and Reasoning, Geometry and Measurement	use mental computation, estimation techniques and measurement skills to check the reasonableness of solutions to problems
<b>8.111</b>	8	Problem solving and Reasoning	reason with equivalent expressions
<b>8.112</b>	8.107	Problem-solving and Reasoning	solve problems using proportion, ratio and percent
<b>8.113</b>	8.116	Problem-solving and Reasoning	solve problems using algebraic equations, mental computation, estimation techniques and measurement skills with all different types of numbers (whole, fractional, decimal, integers)
<b>8.114</b>	8.11	Problem-solving and Reasoning	demonstrate the use of several methods to solve algebraic equations (linear and quadratic)
<b>8.115</b>	8	Communication and Connections	use the language of mathematics to describe and connect mathematical calculations
<b>8.116</b>	8	Computation, Numbers, Numeration, Operations	manipulate square roots within a problem
<b>8.117</b>	8	Computation, Numbers, Numeration, Operations	use a five function calculator, and the functions of a scientific calculator appropriate to the problem
<b>8.118</b>	8.104	Computation, Numbers, Numeration, Operations	read, write and perform basic operations on rational numbers
<b>8.119</b>	8.113	Problem solving and Reasoning, Geometry and Measurement	use mental computation, estimation techniques and measurement skills to check the reasonableness of solutions to problems

<b>8.120</b>	8.107	Problem-solving and Reasoning	solve problems using proportion, ratio and percent
<b>8.121</b>	8.11	Problem-solving and Reasoning	demonstrate the use of several methods to solve algebraic equations
<b>8.122</b>	8.116	Problem-solving and Reasoning	solve problems using algebraic equations, algebraic expressions, algebraic inequalities, mental computation, estimation techniques and measurement skills with all different types of numbers (whole, fractional, decimal, integers)

**Music**

	8.801	Principles	identify the basic elements and principles of an art form, appropriate to grade level
	8.804	Principles	create and/or perform works of art using the basic elements and principles to solve specific visual or performing arts problems
	8.807	Principles	actively engage the creative processes in solving problems
	8.81	Principles	compare and contrast multiple purposes for creating works of art
	8.813	Principles	demonstrate a sensitivity to the role of unity in a work of art and how the principles of harmony, balance, contrast, emphasis, pattern, rhythm, and movement help to create this unity
	8.816	Principles	articulate own interpretation of what an artist is trying to communicate
	8.819	Principles	explain how subject matter, symbols, and ideas in works of art can communicate meaning
	8.821	Principles	demonstrate a sensitivity to the aesthetic issues, and the visual and intellectual pleasure that can be derived from creating and/or viewing art
	8.825	Principles	discuss works of art from a variety of cultures and historical periods
	8.828	Principles	discuss how time and place influence the aesthetic and conceptual characteristics of a work of art

**Physical Education**

<b>8.401</b>	8.4431	Motor Skills	analyze performance using spin and rebound principles in order to learn or improve a skill
<b>8.402</b>	8.44	Movement Forms	demonstrate performance of a variety of movements through individual and dual sports
<b>8.403</b>	8.443	Physical Education	apply movement concepts and principles to the learning and development of motor skills
<b>8.404</b>	8.449	Physical Education	exhibit knowledge of terminology, rules, scoring and etiquette in team, individual and dual sports, specifically in archery
<b>8.405</b>	8.452	Physical Education	achieve and maintain a health enhancing level of physical fitness
<b>8.406</b>	8.455	Physical Education	assess personal fitness, compare scores to a health related standard, and set goals for improvement or maintenance
<b>8.407</b>	8.458	Physical Education	demonstrate accountability for responsible personal and social behavior in physical activity settings, applying appropriate personal and social behavior through a variety of activities
<b>8.408</b>	8.4611	Physical Education	demonstrate understanding and respect for differences among people in physical activity setting, and apply to a problem solving activity
<b>8.409</b>	8.464	Physical Education	analyze patterns of physical activity and develop an activity that provides opportunities for enjoyment, challenge, self-expression and social interaction

**Reading**

<b>8.020</b>		Comprehension	continue to develop an understanding that reading is a process and apply before, during, and after reading strategies
<b>8.021</b>		Comprehension	demonstrate an understanding of literary text through summarizing, paraphrasing, or sequencing major events
<b>8.022</b>		Comprehension	analyze and interpret elements of literary texts

<b>8.023</b>	Comprehension	demonstrate understanding of informational text use
<b>8.024</b>	Comprehension	analyze and interpret informational texts
<b>8.025</b>	Word Study	use strategies to identify the meaning of unfamiliar vocabulary including prefixes, suffixes, and base words, context clues, and parts of speech
<b>8.026</b>	Word Study	express an understanding of synonyms, antonyms, homonyms, multiple meanings, as well as figurative language

**Science**

8.216	Earth Science	read a weather map and use it to predict weather for a given area
8.222	Earth Science	apply concepts of pressure to oceanographic and meteorologic examples
8.225	Earth Science	distinguish among the layers of the earth's atmosphere
8.228	Earth Science	explain aspects of oceanography; tides, currents, waves and resources
8.219	Earth Science Safety and Prevention	describe catastrophic meteorologic events and safety precautions
8.231	Life Science	describe marine ecosystems and the relationships among their biological components
8.234	Life Science	explain the connections between the oceans and life in the oceans with humans
8.21	Physical Science	explain general and specific properties of matter
8.213	Physical Science	provide a basic explanation of the atom and periodic table
8.204	Scientific Investigation, Data Analysis	effectively use microscope, meteorological and oceanographic instruments to observe and record data
8.207	Scientific Investigation, Geometry and Measurement	measure volume, mass and density in scientific experiments
8.201	Scientific Investigation, History	discuss major figures in the history of science and their contributions

**Social Studies**

<b>8.301</b>	8.301	Social Skills and Research Skills, Writing, Information Literacy, History	create a persuasive piece of writing based on a United States history or current event topic
<b>8.302</b>	8	Social Skills and Research Skills	develop and interpret maps, charts, graphs, and political cartoons which show key information (population, resources, demographic, etc.)
<b>8.303</b>	10.301	Geography	construct and interpret maps of the state of New Hampshire dealing with various information (political and physical)
<b>8.304</b>	8.304	Geography History	analyze the impact that race/ethnicity and gender roles have had on United States history and culture from pre-colonial through the Civil War
<b>8.305</b>	10.304	History	explain and interpret the causes and their historical effects that shaped United States history from pre-colonial times to 1865
<b>8.306</b>	8.316	History	define revolution and rebellion; explain why revolutions occur and what their impact is from pre-colonial through the Civil War
<b>8.307</b>	8.313	History Computer Technology	identify the role that technology has played in United States history from pre-colonial through the Civil War
<b>8.308</b>	8.322	Civics	identify and interpret the key documents that form the foundation of United States government
<b>8.309</b>	8	Economics	explain the early foundations of the United States economic system
<b>8.310</b>	6.322	History	explain the significance of America's Industrial Revolution and Westward Expansion

**Technology Education**

8.982	TBD	understand different joints used in today's furniture
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8.985	TBD	understand the difference and the use of different types of abrasives
8.94	Technical	create drawings using Grid and Snap
8.943	Technical	create drawings using absolute coordinates
8.946	Technical	create drawings using polar coordinates
8.949	Technical	create title block drawings using any method
8.952	Technical	create drawings using circles and arcs
8.955	Technical	create a set of production drawings using any method
8.958	Technical	demonstrate basic computer knowledge by saving and retrieving files
8.961	Technical	be able to plot all drawing created
8.964	Technical	practice a basic foundation of safety around the machines
8.967	Technical	identify the basic parts of a board, tree and defects
8.97	Technical	know and understand the milling process
8.973	Technical	understand the difference between common building materials used in furniture
8.976	Technical	safely use hand tools for cutting and layout
8.979	Technical	demonstrate safety skills when using power tools
8.988	Technical	understand and use different types of stains and finishes
8.991	Technical	successfully produce a wood working project

**The Arts**

8.801	Principles	identify the basic elements and principles of an art form, appropriate to grade level
8.804	Principles	create and/or perform works of art using the basic elements and principles to solve specific visual or performing arts problems
8.807	Principles	actively engage the creative processes in solving problems
8.81	Principles	compare and contrast multiple purposes for creating works of art
8.813	Principles	demonstrate a sensitivity to the role of unity in a work of art and how the principles of harmony, balance, contrast, emphasis, pattern, rhythm, and movement help to create this unity
8.816	Principles	articulate own interpretation of what an artist is trying to communicate
8.819	Principles	explain how subject matter, symbols, and ideas in works of art can communicate meaning
8.821	Principles	demonstrate a sensitivity to the aesthetic issues, and the visual and intellectual pleasure that can be derived from creating and/or viewing art
8.825	Principles	discuss works of art from a variety of cultures and historical periods
8.828	Principles	discuss how time and place influence the aesthetic and conceptual characteristics of a work of art

**World language**

8.704	French OR Spanish	expands upon regular and irregular present tense verbs
8.707	French OR Spanish	uses reflexive verbs
8.71	French OR Spanish	uses comparatives and superlatives in comparing people, places, and things
8.713	French OR Spanish	expresses the past

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8.716	French OR Spanish	uses command form
8.719	French OR Spanish	uses present progressive to tell what is happening
8.721	French OR Spanish	uses and comprehends direct object and indirect object pronouns
8.724	French OR Spanish	expands listening skills beyond previous years
8.727	French OR Spanish	reads and/or listens, with comprehension, short stories, poems, songs, and travel information
8.73	French OR Spanish	writes guided and self-directed dialogues and short paragraphs on specific topics
8.734	French OR Spanish	demonstrates understanding of cultural similarities and differences within the French or Spanish speaking countries
8.737	French OR Spanish	understands cultural differences between the Spanish and Francophone speaking countries and English speaking countries
8.8011	French OR Spanish	initiates, engages in, and closes a conversation using learned vocabulary

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**9 Grade**

Number	Old Bnchmk Number	Topic	Benchmark description
<b>Language Arts/ English</b>			
	9.019	Listening, Speaking, Viewing	participate in group discussions and formal presentations (e.g., evaluate accuracy, relevance, organization of information; evaluate clarity of delivery; evaluate relationships among purpose, audience, content; identify types of arguments used)
	9.022	Listening, Speaking, Viewing	ask questions that enrich classroom discussions
	9.001	Reading	represent key ideas and supporting details from reading in outline or paragraph form
	9.004	Reading	given a passage with unfamiliar vocabulary, use context clues for comprehension
	9.007	Writing	write creative and persuasive pieces with strong ideas and content, organization, conventions, word choice, voice and sentence fluency
	9.01	Writing	identify parts of speech and the components of a sentence
	9.013	Writing	compare and contrast various structures in writing
	9.016	Writing	structure writing in an organized and coherent manner with specific supports that expand upon and reinforce the main idea
<b>Physical Education</b>			
<b>9.401</b>	9.428	Nutrition and Fitness	demonstrate appropriate levels of muscular strength, endurance, coordination, agility, power and flexibility
<b>9.402</b>	9.434	Nutrition and Fitness	exhibit good health habits
<b>9.403</b>	9.437	Nutrition and Fitness	demonstrate skills in activities for a physically active lifestyle with an emphasis on traditional team sports, outdoor education, and fitness
<b>9.404</b>	9.431	Self-esteem and Family Life	demonstrate an appreciation for and an understanding of others in various types of situations
<b>Science</b>			
	9.241	Earth Science, Space Science	explain key properties of our solar system
	9.244	Earth Science, Space Science	explain the conditions necessary to live on or explore one of the nearby planets or moons
	9.247	Earth Science, Space Science	draw inferences from celestial/terrestrial observations; e.g. Moon phases, eclipses, constellations
	9.219	Life Science	explain the effects of environmental factors on all living systems (i.e. individuals, community, biome, biosphere) as well as species to species interaction
	9.222	Life Science	construct models that demonstrate the connections between organisms, their physical settings, and the transfer/transformation of matter and energy to maintain a dynamic equilibrium
	9.225	Life Science	predict how human activities will affect the land
	9.228	Life Science	cite evidence that a freshwater supply is essential
	9.231	Life Science	describe consequences of reducing natural resources
	9.234	Life Science	predict effects of changing factors in an ecosystem
	9.207	Physical Science	describe relationships among different types and forms of energy, including fission and fusion
	9.21	Physical Science	describe how electrical/ magnetic systems interact with matter and energy
	9.213	Physical Science	identify and distinguish forms of electromagnetic radiation

9.216	Physical Science	predict how certain changes in the system will or will not affect the operation of the system
9.237	Physical Science, Earth Science, Life Science	explain the differences and similarities of the structures that are found in the universe
9.201	Scientific Investigation	design and conduct controlled scientific investigations, selecting and using technology and equipment suited for the task
9.204	Scientific Investigation	use different models to represent the same object or process

**Social Studies**

<b>9.301</b>	9.307	Social Skills and Research Skills	develop and interpret world history by using charts, maps, graphs and political cartoons which show key information
<b>9.302</b>	9.301	Geography Economics	identify key political, economic, military, cultural and religious forces which have had an impact on and shaped our world
<b>9.303</b>	9.304	Geography Economics	compare and contrast different cultures and the impact of geography on the development of institutions
<b>9.304</b>	9.31	History	analyze an event in world history from two or more perspectives and interpretations
<b>9.305</b>	9.313	History	identify and interpret chronological and thematic perspectives of world history and United States history
<b>9.306</b>	9.316	Civics	analyze the impact of governments on their civilizations
<b>9.307</b>	9.319	Civics	explain how participation in and understanding of the development of government is important from a world perspective
<b>9.308</b>	9	Economics	explain the basic principals and theories of economic systems

**World language**

9.701	TBD	demonstrate increasing skills in language proficiency in reading, writing, speaking and listening
9.704	TBD	ask questions and appropriately interpret a narrated response by a native speaker
9.707	TBD	explain and support preferences such as foods, sports, school subjects, activities, etc.
9.71	TBD	demonstrate some understanding of the variety of cultures where the language is spoken, locate them geographically, and discuss cultural similarities and differences

**10 Grade**

Number	Old Bnchmk Number	Topic	Benchmark description
<b>Language Arts/ English</b>			
	10.022	Listening, Speaking, Viewing	use appropriate language and delivery for particular audiences and particular purposes (to defend a position, to entertain, to inform, to persuade)
	10.031	Listening, Speaking, Viewing	analyze and evaluate complex spoken and audiovisual messages
	10.025	Listening, Speaking, Viewing Information Literacy	make a formal presentation which includes definitions for clarity; supports main ideas using anecdotes, examples, statistics, analogies and other evidence; and uses visual aids or technology
	10.028	Listening, Speaking, Viewing Writing	compare form, meaning and usefulness of different kinds of language (e.g., advertising, Internet)
	10.001	Reading	analyze the influences of one's responses to a text (e.g., personal values, perspectives and experiences)
	10.004	Reading	use roots and derivatives to expand vocabulary
	10.007	Writing	incorporate sentence variety in writing
	10.01	Writing	write a response to literature in a variety of formats (poetry, vignettes, narratives, etc.)
	10.013	Writing	incorporate parts of speech, agreement and sentence structure in the writing process
	10.016	Writing	write a literature-based thesis supplemented by additional research
	10.019	Writing	compare and contrast concepts through writing
<b>Physical Education</b>			
<b>10.401</b>	10.428	Nutrition and Fitness	demonstrate appropriate levels of muscular strength, endurance, coordination, agility, power and flexibility
<b>10.402</b>	10.434	Nutrition and Fitness	exhibit good health habits and make healthful choices
<b>10.403</b>	10.437	Nutrition and Fitness	assess one's cardiovascular condition in terms of maximum heart rate, target heart rate and resting heart rate
<b>10.404</b>	10.440	Nutrition and Fitness	acquire skills in activities for lasting and carry-over value, especially in the areas of racquet sports, outdoor education and traditional team sports
<b>10.405</b>	10.443	Nutrition and Fitness	participate in and organize tournament play
<b>10.406</b>	10.431	Self-esteem and Family Life	demonstrate an appreciation for and an understanding of others in various types of situations
<b>Science</b>			
	10.21	Life Science	identify and give examples of representative life forms in the Kingdoms of living things
	10.213	Life Science	analyze patterns and products of evolution, including genetic variation, specializations, adaptation and natural selection
	10.216	Life Science	analyze models of cell organelles specialized functions (i.e. microscopic evidence, photographic evidence)
	10.222	Life Science	identify and explain change in terms of cause and effect, including the concepts of stability and homeostasis
	10.225	Life Science	describe how cells transfer energy in the process of photosynthesis and respiration
	10.219	Life Science, Human Growth and Development	discuss connections between the structure and function of cells, tissue, organs and systems, including the role of DNA
	10.201	Scientific Investigation	formulate questions and use appropriate concepts to guide scientific investigations and solve real world problems
	10.204	Scientific Investigation	select, communicate and defend a scientific argument

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10.207	Scientific Investigation, Safety and Prevention, Computer Technology	describe the use of technology in the treatment of disease
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**Social Studies**

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<b>10.301</b>	10	Social Skills and Research Skills	develop and interpret maps, charts, graphs, and political cartoons which show key information
<b>10.302</b>	10.307	History	analyze an event in United States history from two or more perspectives and interpretations
<b>10.303</b>	10	History	explain and interpret modern United States History from 1865 to the present
<b>10.304</b>	10	History	interpret and analyze key political, economic and social perspectives which shaped United States history
<b>10.305</b>	10	History	analyze the impact that race/ethnicity and gender roles had on U.S. History and culture from Reconstruction to the present
<b>10.306</b>	10.313	Civics	describe how the government functions at the federal level using the US Constitution as the foundation of our government

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**11 Grade**

Number	Old Bnchmk Number	Topic	Benchmark description
<b>Health</b>			
11.601	11.413	Nutrition and Fitness	assess own eating habits and determine changes necessary for developing a healthy eating lifestyle
11.602	11.416	Nutrition and Fitness	assess own fitness level and develop and implement a personal fitness plan
11.603	11.401	Safety and Prevention	analyze the effects of emotions and stress on one's life and describe ways to deal with these situations
11.604	11.404	Safety and Prevention	identify the prevention, symptoms and treatment of communicable and non-communicable diseases (STDs)
11.605	11.407	Safety and Prevention	identify common emergencies and perform proper first aid and CPR techniques
11.606	11.41	Safety and Prevention	distinguish between use, misuse and abuse of alcohol, drugs and tobacco
11.607	11.419	Self-esteem and Family Life	describe appropriate behavior in dating relationships
11.608	11.422	Self-esteem and Family Life	list methods of dealing with conflict, including conflict resolution strategies
11.609	11.425	Self-esteem and Family Life	explain sexual harassment and describe the reporting process
<b>Language Arts/ English</b>			
	11.025	Listening, Speaking, Viewing	demonstrate respect for diversity in language use, patterns, and dialects across cultures, ethnic groups, geographic regions, and social roles
	11.022	Listening, Speaking, Viewing Information Literacy	interpret and analyze complex spoken and audio-visual messages
	11.019	Listening, Speaking, Viewing Writing	defend opinions both in written as well as spoken form
	11.001	Reading	read a wide range of print and non-print text to build an understanding of individuals and cultures of the United States and the world; to acquire new information; to respond to the needs and demands of society and the workplace; and for personal fulfillment
	11.004	Reading	identify, analyze, and interpret literary elements in a variety of contexts
	11.007	Writing	independently utilize new vocabulary in discussions and writing
	11.01	Writing	write effectively, demonstrating idea development, organization, word choice, sentence fluency, and the writer's own voice
	11.016	Writing	evaluate the role of the written word in society
	11.013	Writing, Listening, Speaking, Viewing, Information Literacy	use a variety of technological and informational resources to gather and synthesize information and to create and communicate knowledge
<b>Mathematics</b>			
11.101		Algebra and Functions	Simplify and evaluate algebraic expressions utilizing the order of operations and the distributive property. Convert verbal sentences into algebraic equations and solve. (e.g. $2(x+2) = 29-3x$ ; $x=5$ )
11.102		Number and Operations	Simplify numerical expressions, including those involving positive integer exponents or the absolute value (e.g. $3(24-9)=45$ , $4 3-5 +6=14$ ) and apply such simplifications in the solution of problems.
11.103		Number and Operations	Define ratios and proportions. Solve equations with proportions. Use proportional reasoning to solve word problems using units of measure appropriately. (e.g. $(x+7)/-4 = (x-12)/6$ ; $x=3/5$ )
11.104		Geometry and Measurement	demonstrate understanding of location, position, and quadrants of ordered pairs (x,y) on the coordinate plane

11.105	Algebra and Functions	Recognize and evaluate relations and functions. Express relations as order pairs, in table format, graphs, and through mapping. Identify and recognize the domain and range within a relation.
11.106	Algebra and Functions	Determine a line's slope and x and y intercepts from its graph or linear equation. Graph linear equations using the slope - y intercept and table methods. Explain the significance of a positive, negative, zero, and undefined slope. Use technology when appropriate.
11.107	Algebra and Functions	solve and graph simple inequalities. (e.g. $-3 < x - 5$ ; $2 < x$ )
11.108	Algebra and Functions	add, subtract, and multiply polynomials
11.109	Algebra and Functions	manipulate polynomials by rearranging and collecting terms, factoring, and applying the properties of positive integer exponents
11.110	Algebra and Functions	perform basic operations on radicals
11.111	Data, Statistics and Probability	select, create, and interpret an appropriate graphical representation (e.g. scatter plot, stem and leaf plots, box and whisker plot, line graph) for a set of data and use appropriate statistics (e.g. mean, median, mode and range) to communicate information about the data. Understand and apply differences between probability and odds. Use technology where appropriate.
11.112	Geometry and Measurement	calculate area and perimeter of simple polygons
11.113	Geometry and Measurement	solve simple triangle problems using the triangle angle sum property and/or Pythagorean theorem
11.120	Algebra and Functions	simplify and evaluate algebraic expressions utilizing the order of operations and the distributive property. (e.g. $2(x+2) = 29-3x$ ; $x=5$ ) Convert verbal sentences into algebraic equations and solve
11.121	Number and Operations	simplify numerical expressions, including those involving positive integer exponents or the absolute value (e.g. $3(24-9)=45$ , $4 3-5 +6=14$ ), and apply such simplifications in the solution of equations
11.122	Number and Operations	define ratios and proportions. Solve equations with proportions. Use proportional reasoning to solve word problems using units of measure appropriately. (e.g. $(x+7)/-4 = (x-12)/6$ ; $x=3/5$ )
11.123	Geometry and Measurement	demonstrate understanding of location, position, and quadrants of ordered pairs (x,y) on the coordinate plane
11.124	Algebra and Functions	recognize and evaluate relations and functions. Express relations as order pairs, in table format, graphs, and through mapping. Identify and recognize the domain and range within a relation.
11.125	Algebra and Functions	demonstrate conceptual understanding of linear relationships, linear and nonlinear functions. (e.g. $g(x) = x^2+3x-2$ where if $x=0$ ; then $g(x)=-2$ . Use technology when appropriate
11.126	Algebra and Functions	determine a line's slope and x and y intercepts from its graph or linear equation. Graph or find linear equations, in standard form, using the point slope, slope - y intercept, and table methods. Explain the significance of a positive, negative, zero, an undefined slope, as well as slopes of perpendicular and parallel lines. Use technology when appropriate.
11.127	Algebra and Functions	solve and graph simple and compound inequalities. (e.g. $-3 < x-5 < 2$ ; $2 < x < 7$ )
11.128	Algebra and Functions	solve systems of equations using graphing, elimination and substitution methods. Recognize single solution, infinite solutions, and no solution sets. Solve everyday problems that can be modeled using systems of linear equations including uniform motion, mixture, and work problems using units of measure appropriately. Use technology when appropriate.
11.129	Algebra and Functions	add, subtract, and multiply polynomials, divide polynomials by monomials
11.130	Algebra and Functions	manipulate polynomials and rational expressions by rearranging and collecting terms, factoring, identifying and canceling common factors, and applying the properties of positive integer exponents. Understand the concept of excluded values. (e.g. $(x+8) / (x^2+11x+24)$ ; $1 / (x+3)$ where x cannot equal -3.)
11.131	Algebra and Functions	find solutions to quadratic equations (with real roots) by factoring. Solve everyday problems that can be modeled with quadratic equations including area and velocity. Use technology where appropriate.
11.132	Algebra and Functions	perform basic operations on radicals and solve radical equations

11.133	Data, Statistics and Probability	select, create, and interpret an appropriate graphical representation (e.g. scatter plot, stem and leaf plots, box and whisker plot, line graph) for a set of data and use appropriate statistics (e.g. mean, median, mode, range, and upper and lower quartiles) to communicate information about the data. Understand and apply differences between probability and odds. Use technology where appropriate.
11.140	Geometry and Measurement	use the attributes, geometric properties or theorems and postulates involving points, lines, planes, and angles to solve problems in mathematical situations or justify solutions to problems (e.g. Student can apply the Segment and Angle Addition Postulates to solve problems or justify solutions.)
11.141	Geometry and Measurement	apply theories of logic including conditional statements and their converses, counter examples, and deductive reasoning in algebraic and geometric proofs
11.142	Geometry and Measurement	demonstrate conceptual understanding of the properties and relationships involving parallel and perpendicular lines through recognizing and solving problems involving special pairs of angles including congruent angles, complementary and supplementary angles, vertical angles, corresponding angles, alternate interior angles, and consecutive interior angles
11.143	Geometry and Measurement	recognize classifications of triangles by their sides and angles. Apply congruence and similarity correspondences and properties of the figures to find missing parts of geometric figures and provide logical justification (e.g. SSS, ASA, SAS, AAS, HL, SAS similarity, SSS similarity, Triangle Proportionality, and Triangle Angle-Bisector Theorems and postulates)
11.144	Geometry and Measurement	analyze characteristics and properties of special quadrilaterals including parallelograms, rectangles, squares, rhombi, trapezoids, and isosceles trapezoids
11.145	Geometry and Measurement	recognize and apply inequality theorems involving one and two triangles
11.146	Geometry and Measurement	recognize and solve right triangle problems using geometric means, Pythagorean Theorem, Special Right Triangles (e.g. $30^\circ - 60^\circ - 90^\circ$ triangles and $45^\circ - 45^\circ - 90^\circ$ triangles), and Right Triangle Trigonometry
11.147	Geometry and Measurement	define and apply properties and theorems of chords, arcs, and angles (central angles, inscribed angles, angles formed by tangents, secants, and chords) to solve problems involving circles. Solve problems by applying lengths of chords, secant segments, and tangent segments.
11.148	Geometry and Measurement	understand and apply formulas to calculate perimeter, circumference, arc length, and area of common geometric figures such as parallelograms, triangles, trapezoids, circles, sectors, and regular polygons. Use units of measure consistently and appropriately when solving problems.
11.149	Geometry and Measurement	understand and apply formulas to find lateral area, surface area, and volume of prisms, pyramids, cylinders, cones, and spheres. Use units of measure consistently and appropriately when solving problems.
11.150	Geometry and Measurement	demonstrate conceptual understanding of symmetry, congruency, and similarity involving reflections, translations, rotations, and dilations

**Science**

11.201	Scientific Investigation	design and construct a scientific investigation integrating knowledge from various scientific disciplines
11.204	Scientific Investigation	use technology and mathematics to improve scientific investigations
11.207	TBD	using scientific vocabulary, notations, and mathematics, improve the communication of scientific knowledge
11.21	TBD	communicate and defend a scientific argument

**Social Studies**

11.301	11.304	Social Skills and Research Skills	develop and interpret maps, charts and graphs which show key information (population, resources, demographics, etc.)
11.302	11.307	History	explain and interpret modern United States history from 1877 to the present
11.303	11.31	History Economics	analyze political, economic, and social perspectives of key events in modern United States history

<b>11.304</b>	11.313	Civics	explain the emerging role of the United States as a world power and the responsibilities that challenge carries
<b>11.305</b>	11.316	Civics	explain the role of an individual in a democratic society and the responsibility to take part in that process
<b>11.306</b>	11.319	Civics	explain individual rights and responsibilities as outlined in the Constitution

**Social Studies/ Civics**

<b>11.330</b>		Civics	explain the meaning of citizenship in the United States
<b>11.331</b>		Civics	understand how citizens exercise the roles, rights and responsibilities of participation in civic life at local, state, and national levels
<b>11.332</b>		Civics	understand how power, authority, and responsibility are distributed, shared, and limited as established by the New Hampshire and United States Constitutions
<b>11.333</b>		Civics	describe the purpose, organization and functions of the local, state, and national government
<b>11.334</b>		Civics	explain how governments and non-governmental agencies around the world interact politically
<b>11.335</b>		Civics	understand the domestic and foreign policy influence the United States has on other nations and how the actions of other nations influence politics and society in the United States

**Social Studies/ Economics**

<b>11.320</b>		Economics	explain the concept of scarcity, and the role it plays in decision making; as well as the opportunity costs involved in all decision making
<b>11.321</b>		Economics	compare & contrast the principal economic systems: traditional, market, command, and mixed; while emphasizing the specifics of the American free enterprise system
<b>11.322</b>		Economics	explain the advantages and disadvantages of the four types of markets (perfect, monopoly, monopolistic and oligopoly) and how the government intervenes to promote competition
<b>11.323</b>		Economics	analyze how the world of work is organized, and how it reflects the competition that exists between employers and employees
<b>11.324</b>		Economics	explain the fundamentals of banking and finance; and how and why interest is applied and calculated
<b>11.325</b>		Economics	explain the advantages and disadvantages of free trade and protectionism; as well as America's role in the world economy
<b>11.326</b>		Economics	develop and interpret charts and graphs which demonstrate key information (supply, demand, market equilibrium, etc.)

**The Arts**

	11.801	Principles	define, explain, and utilize the basic elements and principles of an art form
	11.804	Principles	create and/or perform multiple solutions to specific artistic problems
	11.807	Principles	demonstrate creative problem solving appropriate to grade level
	11.81	Principles	use a formal process to critique a work of art: description, analysis, interpretation, judgment
	11.813	Principles	explain how subject matter, symbols, and ideas in a work of art can communicate meaning
	11.816	Principles	explain how the elements and principles of the art form were used to solve a problem or express an idea or emotion
	11.819	Principles	demonstrate an understanding and sensitivity to the differences and similarities between art, philosophy, science, and religion as approaches for defining human concepts of reality and reflecting the human condition
	11.822	Principles	differentiate among a variety of historical and cultural contexts in terms of characteristics and purposes of works of art
	11.825	Principles	interpret the meaning of specific art pieces within varied cultures, times, and places

11.828 Principles

analyze relationships of works of art to one another in terms of history, aesthetics, and culture

**12 Grade**

Number	Old Bnchmk Number	Topic	Benchmark description
<b>Business and Computer Education</b>			
12.503		Information Literacy	evaluates and selects information appropriate to the topic
12.504		Information Literacy	synthesizes (assembles) facts, opinions, and point of view appropriate to one's work
12.505		Information Literacy	uses information responsibly and ethically
12.520		Computer Education	uses common productivity and web based software (e.g. Office Suite, HTML, QBasic, Flash, Web browser, PageMaker, Photoshop, Cisco software, Thompson course technology courseware, or Yeartech courseware)
12.521		Computer Education	uses a variety of multimedia software and equipment (e.g. scanner, digital camera, video cam, projectors, CD drives, PageMaker, Flash, Dreamweaver, Fireworks, PowerPoint, Photoshop, Qbasic, Yeartech, or In-Design)
12.522		Computer Education	configures computers and basic network configurations (e.g. file management, reset computers, creating and controlling networks or adding and selecting printers)
12.523		Computer Education	applies programming concepts used in software development (e.g. HTML, JavaScript, Q Basic, XML, Macros, or Flash)
<b>Info. Literacy and Comp. Tech.</b>			
12.501	12.501	Information Literacy	independently formulates topic, question or problem to be researched, incorporating existing knowledge and revising topic according to information gathered
12.502	12.504	Information Literacy	develops appropriate search strategies to efficiently locate information
12.503	12.507	Information Literacy	evaluates and selects information appropriate to the topic
12.504	12.513	Information Literacy	synthesizes (assembles) facts, opinions, and point of view appropriate to one's work
12.505	12.516	Information Literacy	uses information responsibly and ethically
12.506	12.528	Computer Technology	use Windows to control file management
12.507	12.534	Computer Technology	demonstrate the appropriate Windows function to control hardware and software
12.508	12.544	Computer Technology	use software to solve curriculum-related problems
12.509	12.55	Computer Technology	integrate software to accomplish a variety of tasks and problems
12.510	12.553	Computer Technology	develop and present a multimedia presentation at each identified curriculum access point related to student coursework to demonstrated content related knowledge.
<b>Language Arts/ English</b>			
	12.016	Listening, Speaking, Viewing	interpret the political beliefs, positions of social power, and culture, etc. from language use
	12.019	Listening, Speaking, Viewing	interpret the purpose of particular language use
	12.013	Listening, Speaking, Viewing Information Literacy	make informed judgments about non print media (e.g., detect elements of persuasion and appeal in advertisements; evaluate the impact of pace, volume, tone, and images on media consumers)
	12.001	Reading	identify and analyze the philosophical assumptions and basic beliefs underlying an author's work
	12.004	Reading	determine figurative, idiomatic, and technical meanings of terms through context
	12.007	Writing	self-edit one's work
	12.010	Writing	effectively use and apply various modes of writing



**Count:** 1274