Berea Lutheran School

Curriculum Standards

(Aug. 2014)

Kindergarten

God's Word: By the end of Kindergarten, students at Berea will

- Understand that we are sinners in need of a Savior and the Jesus died on the cross to save us from our sins.
- Remember Bible lessons that show God's law and gospel.
- Understand that we cannot get to heaven by doing good things, only by believing the Jesus died for our sins. We do good/kind things out of love for our Lord.
- Recite the 1st through 10th Commandments, at least 6 Bible passages, the common table prayer and the Lord's Prayer independently.
- Correlate the commandments to the Bible lesson being taught.
- Relate the truths of God's Word across the curriculum.

English/Language Arts: By the end of Kindergarten, students at Berea will be able to

Reading	Phonics	Language	Writing
• Sit during an entire circle time period. • Point out the front cover, back cover, title page and first page in a book. • With prompting and support, name the author and illustrator in a story and define the role of each in telling the story. • With prompting and support, describe the relationship between illustrations and the story in which they appear • Use picture clues and previous knowledge to predict what will happen next. • Use information given to make inferences. • State the beginning, middle, and end of a story. • Put the events of a story in sequential order. • With prompting and support, ask and answer questions about key details in the story • With prompting and support, retell familiar stories, including key details • With prompting and support, identify characters, settings, and major events in a story • With prompting and support, compare and contrast the adventures and experiences of characters in familiar stories	• Recognize and produce rhyming words • Understand that spoken words and syllables are made up of sequence of sounds • Count, pronounce, blend, and segment syllables in spoken words • Count and track sounds in syllables, syllables in words, and words in sentences • Track and represent the number, sameness, difference and order of two or more isolated phonemes • Blend and segment onsets and rimes of single-syllable spoken words • Isolate and pronounce the initial, medial vowel, and final sounds (phonemes) in three-phoneme (consonant-vowel-consonant or CVC) words. (this does not include CVCs ending with /l/, /r/, or /x/.) • Add or substitute individual sounds (phonemes) in simple, one-syllable words to make new words • Distinguish long-and short-vowel sounds in orally stated words • Demonstrate basic knowledge of one-to-one letter-sound correspondence by producing the primary or many of the most frequent sound for each consonant	• Print sentences starting with a capital letter and ending with a form of punctuation. • Space words 1 finger width apart when printing sentences with few reminders. • Print first and last name. • Hold pencil using the tripod grasp. • Sit in proper position (sitting upright with feet flat on the floor in front of the chair. Paper straight (unless left handed) with non dominant hand supporting the paper) • Recognize all upper and lowercase letters. • Write a letter or letters for most consonant and short-vowel sounds • Form all letters properly with few reminders. • Print letters and keep them in the designated area for that letter. • Print legibly. • Recognize and name the following end punctuations – period, • question mark, and exclamation mark. Recognize and name a comma • Print sentences starting with a capital letter and ending with a form of punctuation. The goal of printing in kindergarten is to lay	• Use a combination of drawing, dictating, and writing to compose opinion pieces in which they tell a reader the topic or state an opinion or preference about a topic or book. • Use a combination of drawing, dictating, and writing to compose informative/explanatory texts in which they name what they are writing about and supply some information about what they are writing about. • Use a combination of drawing, dictating, and writing to narrate a single event or several loosely linked events, tell about the events in the order in which they occurred, and provide a reaction to what happened • With guidance and support from adults respond to questions and suggestions from adults and peers and add details to strengthen writing as needed

• Recognize and name all upper and lowercase letters • Know which letters are vowels and which letters are consonants • Identify the sound of each consonant • Identify the long and short sounds of each vowel • Understand that print provides information • Understand how print is organized and read • Know left to right and top to bottom directionality • Distinguish letters from words • Recognize name • Name and match all uppercase and lowercase letter forms • Understand the concept of word and construct meaning from shared texts, illustrations, graphics, and charts • Identify letters, words and sentences • Recognize that sentences in print are made up of words • Match oral words to printed words • Read emergent reader texts with purpose and understanding • Participate in collaborative conversations with peers about kindergarten topics and texts • Confirm understanding of a text read aloud or information presented orally or through other media (poems, rhymes, songs) by asking and answering questions about key details and requesting clarification if something is not understood • Ask and answer questions in order to seek help, get information or clarify something that is not understood	• Match all consonant and short-vowel sounds to appropriate letters • Understand that as letters in words change, so do the sounds • Blend vowel-consonant-sounds orally to make words or syllables • Blend sounds from letters and letter patterns into recognizable words • Associate the long and short sounds with common spellings (graphemes) for the five major vowels • Read common high-frequency and sight words by sight with the goal of knowing 50-100 words(e.g. the, you, she, is) • Distinguish similarly spelled words by identifying the sounds of the letters that differ	the foundation of legible printing. Children this age will still need reminders to form letters properly, properly space words, and use the tripod grasp. These skills will be further strengthened in the lower grades.	

Math: By the end of Kindergarten, students at Berea will be able to

Number Sense and Operations	Algebra	Geometry	Measurement	Data and Problem Solving
• Count with understanding up to at least 31 (with a goal of counting up to 100) • Count backwards from 10 or higher	• Sort, classify, and order objects by number, size, or other attributes • Recognize, describe, and extend simple patterns using shape, color, size, movements, and	• Recognize, name, build and draw two- and three- dimensional shapes such as squares, circles, triangles, rectangles, cubes, spheres, cones, and cylinders	• Recognize the attributes of length, volume, weight, area, and time • Compare 2 or 3 objects and order these objects according to these attributes	• Pose questions and gather data about themselves and their surrounding • Sort and classify objects according to their attributes and organize

• Recognize that a number can be used to represent how many objects are in a set or to represent the position of an object in a sequence • Read, write, and represent whole numbers from 0 to at least 31. Representations may include numerals, real objects, picture graphs, and manipulatives • Find a number that is 1 more or 1 less than a given number • Compare and order numbers from 0-20 or higher • Use 10 frames with initial understanding of place value • Develop an understanding of the relative position and magnitude of whole numbers and of ordinal & cardinal numbers • Use numbers in flexible ways, including relating, composing & decomposing numbers • Connect number words and numerals to the quantities they represent • Understand and represent commonly used fractions (1/4 and ½) • Understand the various meaning of addition and subtraction of whole numbers between 0 and 10 and the relationship between the two operations • Understand the effects of adding and subtracting whole numbers • Compose and decompose numbers up to 10 with objects and pictures • Develop and use strategies for addition and subtraction • Begin to understand basic number combinations for addition and subtraction • Use a variety of tools to compute	numbers (Patterns may be repeating, growing, or shrinking such as ABAB, ABB, etc) • Analyze how both repeating and growing patterns are generated • Model situations that involve the addition and subtraction of whole numbers with the use of objects, pictures and symbols	• Sort objects using characteristics such as size, color and shape • Describe attributes and parts of two- and three- dimensional shapes • Recognize and create shapes that have symmetry • Create mental images of geometric shapes using spatial memory and spatial visualization • Recognize and represent shapes from different perspectives • Recognize geometric shapes and structures in the environment (a sphere can be the sun)	• Understand how to measure using non standard and standard units (non standards units would include paper clips, unsharpened pencils, etc.) • Select an appropriate tool for the attribute being measured • Measure with multiple copies of units of the same size, such as paper clips laid end to end • Use repetition of a single unit to measure something larger than the unit, for instance, measuring the length of a room with a single meter stick • Use tools to measure • State the days of the week in order. • State which day comes before or after a given day. • State the months of the year in order. • Count the days attending school by ones, twos, fives, and tens. • State the date with help from the class. • Understand that time is continuous. The last day in September is on Friday, so the first day of October will be on Saturday. • State the pattern unit on the calendar and which part of the pattern will come next. • State which 2 numerals make up the number on the calendar or days on school chart. (Ex: We have been in school for 15 days; the number fifteen is made of a 1 and then a 5)	data about the objects • Represent data using concrete objects, pictures and graphs • Describe parts of the data and the set of data as a whole to determine what the data show • Build mathematical knowledge through problem solving • Solve problems that arise in mathematics and other contexts • Apply and adapt a variety of appropriate strategies to solve problems • Monitor and reflect on the process of mathematical problem solving

including objects & pictures, mental computation, and paper & pencil				

Science and Health: By the end of Kindergarten, students at Berea will be able to

Life Science	Earth Science	Health
• State why it is important to take care of the plants, trees, animals that God has created • Know the difference between living and non-living • State the 3 criteria need for something to be living. (can make more like itself, grows, needs air and food) • Understand what a habitat is • Understand what animals need to live • Know the life cycle of a butterfly and what a butterfly needs to grow	• Observe and chart the type of weather outside on the weather graph. • Analyze the results of the weather graph • State the seasons in order and know that it is a pattern that repeats itself yearly • State the different types of weather and how weather correlates with the seasons • Understand the importance of dressing properly for the weather • State the different parts of our earth. Water, soil, rocks, mountains etc.	• Understand the importance of taking care of the body God gave us • Know the different parts of our body • Know what our body need to stay healthy (food, rest, exercise, keeping clean)

Social Studies: By the end of Kindergarten, students at Berea will be able to

- Understand why we celebrate holidays such as Christmas, Easter, Veterans Day, Martin Luther King Jr. Day, and Presidents Day.
- Know the importance of community helpers such a firefighters and police officers
- Understand and appreciate the differences in all of us. God made us all unique with our own special talents and gifts
- Display character traits that are pleasing to God (sharing with others, using good manners, being obedient)

Physical Education: By the end of Kindergarten, students at Berea will be able to

- gallop
- skip
- run smoothly
- run and kick a ball
- drop and kick a ball
- bounce and catch a ball
- throw and catch a ball
- balance on one foot to at least the count of 10.
- hop on one foot repeatedly
- jump over an object
- jump at least once over a rope

Students will be exposed to a variety of equipment and exercises that strengthen gross motor skills, coordination, hand-eye coordination and over all physical fitness. In addition to routine physical education, children will be exposed to both teacher directed and child initiated games during recess.

Art: By the end of Kindergarten, students at Berea will be able to

- Create projects using different types of media – crayons, markers, paint, paper, glue, clay)
- Follow multi-step directions to produce a teacher directed project
- Use a scissors with intent and purpose
- Cut on lines, squares, circles, squiggles with a scissors

- Place items on paper using glue with intent and purpose
- Use imagination to create a process oriented project. (painting a picture, decorated a stepping stone)

Music: By the end of Kindergarten, students at Berea will be able to

-

Grade 1

God's Word: By the end of Grade 1, students at Berea will

Bible History	Catechism	Hymnology
• Receive a saving knowledge of the Lord Jesus Christ and grow spiritually in faith in the Triune God • Study the truths of God's Word through Bible lessons from the Old and New Testaments (alternate years) • Apply the Bible lesson truths to our lives; given specific examples of how Christians should and should not live	• Study basic doctrines of the Bible, such as Law and Gospel, confession, redemption • Learn about the parts of Luther's Small Catechism and apply to our lives • Relate truths of God's Word across the curriculum	• Sing, study, and memorize hymns as another way to worship the Lord

English/Language Arts: By the end of Grade 1, students at Berea will be able to

Reading	Phonics	Language	Writing
• recognize consonants and vowels and their sounds • use inflectional endings, plurals, comparatives-superlatives, alphabetical order • use compound words, contractions, prefixes, suffixes, root words, spelling patterns, word families • recognize high frequency words, irregular sight words, and lesson vocabulary • read aloud accurately, with intonation and expression • recognize main idea and supporting details, author's purpose • make generalizations, judgments • recognize cause-effect and compare-contrast relationships • recognize sequence, draw conclusions • have an introductory knowledge of plot development, character identification, setting description • perform accurate comprehension while	• master consonant and vowel sounds of alphabet – visual and auditory • mark vowels as long, short, or silent • memorize special sounds and rule words • apply special sounds to blends – recognize by sound and write • correctly spell words with special sounds • use of prefixes and suffixes • sound out unfamiliar words by use of special sound rules • memorize and apply additional rules for correct spelling of words	• name an action part of a sentence; types of sentences; capitalization and punctuation • identify and use nouns and pronouns for people, animals, things, places; singular and plural nouns; proper nouns • identify and use action verbs; past tense verbs; special verb "be" • identify and use adjectives that describe how things look, taste, smell, sound and texture; -er and –est endings • use capitalization rules for days and months, holidays, titles for people, book titles, use of commas in dates and place names • use spelling patterns and generalizations (such as word families, position-based spelling, syllable patterns, ending rules, meaningful word parts) in writing words • spell grade-appropriate words, consulting references when necessary • write upper and lower-case letters manuscript letters of the alphabet • demonstrate pencil control, stroke	(all standards performed at grade level) • show practical application of word use and correct sentence/paragraph structure • write personal thoughts down on paper in coherent sentences • demonstrate steps in the writing process such as drafting, revising, proofreading, publishing • write a fiction selection such as a story or personal narrative • explain instructions for a "How-to-do" demonstration • inform with a nonfiction research report • write an essay to express an opinion • influence with a writing to persuade • study types of poetry and write poems • keep a personal journal

reading silently and aloud • recognize genres of literature; fiction/nonfiction		development, size, and word formation	

Math: By the end of Grade 1, students at Berea will be able to

Number Sense and Operations	Algebra	Geometry	Measurement	Data and Problem Solving
• read, count, and write whole numbers to 100, even/odd and ordinal numbers, skip-counting • study the value of coins, make change, compare amounts of money, add and subtract money • understand the meaning of fractions; part of a whole or part of a group; read and write fractions • add whole numbers with basic facts, three addends, adding 2-digit numbers with/without regrouping, fact families • subtract whole numbers with basic facts, missing addends, and subtract two-digit numbers with/without regrouping • estimate sums and differences	• identify, extend, and create symbolic patterns • identify and use the properties of whole numbers, equations and expressions • understand probability	• understand geometry concepts such as position, solid and plane figures, line relationships • understand congruence, symmetry, similarity, transformations, and tessellations	• measure linear lengths, capacity, and weight/mass in both customary and metric units • discuss temperature, read a thermometer, using both Fahrenheit and Celsius scales • read a clock to the hour and half hour, relate lengths of time, interpret information on a calendar	• use strategies to solve word problems • collect, record, and organize information on a tally table; pictographs and bar graphs • compare, interpret, and analyze data by finding range and mode, make predictions,

Science and Health: By the end of Grade 1, students at Berea will learn about

Life Science	Earth Science	Physical Science	Health
• Animals: tame animals (pets, farm animals), zoo animals, wild animals, meeting needs, • Animal tracks, animal marks • Plants: roots, stems, leaves, flowers, uses for plants	• Parts of the earth: the surface of the earth, volcanoes, earthquakes, layers of the earth (crust, mantle, core) • Seasons: characteristics of spring, summer, autumn, and winter • Weather: temperature, wind, water cycle, clouds, precipitation, what a weatherman does • Soil: what it is made of • Sun, moon, and stars: the sun as a star, sunrise, sunset, the moon's size, phases of the moon, stars, the Little Dipper and the Big Dipper	• Forces, motion, friction, gravity, weight, magnetism • Sound: how sounds are made, how sound moves, sound and matter, uses of sounds • Characteristics of solids, liquids, and gases; parts to a whole	• Senses: seeing, hearing, touching, tasting, smelling • Health & safety: forming healthy habits, teeth, keeping safe

Social Studies: By the end of Grade 1, students at Berea will learn that

- Rules and laws guide people to live safely and be responsible citizens
  - Recognize the need for rules in the home, school, and community
  - Identify the roles and responsibilities of leaders at home, at school and in the community
  - Identify community and state leaders, including the mayor and the governor
  - Recognize that government services provide for a community's needs
- People live in many different locations and where they live affect the way they live
  - Recognize land and water on a map
  - Identify landforms and bodies of water
  - Compare and contrast rural and urban areas
  - Give examples of natural resources and how people use them
  - Describe how weather affects the way people live, including the effects on their clothing and recreation
- We learn about our country through its symbols, heroes, and holidays
  - Recognize the flag of the United States and what it stands for
  - Recite and explain the significance of the Pledge of the Allegiance
  - Know and understand symbols of the United States and explain their importance
  - Understand the significance of our national holidays
- In many ways, people today are the same as people who lived long ago, but the way people live has changed over time
  - Identify things that have changed and things that have stayed the same across generations of family members
  - Recognize that some things change over time while others stay the same
  - Discuss changes that occur in a community over time
  - Compare types of transportation used today and long ago
- Although Americans may have come from different backgrounds, they share some beliefs
  - Recognize the elements of culture, including language, dress, food and stories
  - Recognize that immigrants come from countries around the world to make a new home in the United States
  - Understand that folktales teach about the culture from which they originate
  - Compare the different beliefs and customs of other cultures
  - Describe the roles individuals play in the groups they belong to
- People trade goods and services with each other and make choices about how to spend their money
  - Distinguish between goods and services
  - Identify the kinds of work that people do in a community
  - Understand ways people trade money for goods and services
  - Trace the sequence in a manufacturing process

Physical Education: By the end of Grade 1, students at Berea will be able to

- (see grade 4 for standards. Grades 1-4 are taught together. Standards are performed at grade level)

Art: By the end of Grade 1, students at Berea will be able to

- (see grade 4 for standards. Grades 1-4 are taught together. Standards are performed at grade level)

Music:

- (see grade 2 for standards. Grades 1&2 taught together in a two-year cycle)

Grade 2

God's Word: By the end of Grade 2, students at Berea will

Bible History	Catechism	Hymnology
• receive a saving knowledge of the Lord Jesus Christ and grow spiritually in faith in the Triune God • study the truths of God's Word through Bible lessons from the Old and New Testaments (alternate years) • apply the Bible lesson truths to our lives; given specific examples of how Christians should and should not live	• study basic doctrines of the Bible, such as Law and Gospel, confession, redemption • learn about the parts of Luther's Small Catechism and apply to our lives • relate truths of God's Word across the curriculum	• sing, study, and memorize hymns as another way to worship the Lord

English/Language Arts: By the end of Grade 2, students at Berea will be able to

Reading	Phonics	Language	Writing
• decode blends, digraphs, r-controlled and schwa sounds • recognize inflectional endings, plurals, and comparatives-superlatives • recognize high-frequency words, common and irregular sight words, abbreviations, and lesson vocabulary • read aloud accurately with appropriate intonation, expression, and pacing • understand synonyms, antonyms, multiple-meaning words, and context clues • use reference sources: dictionary, glossary, and thesaurus • analyze text as to author's purpose, cause-effect, compare-contrast, main idea and details, sequence • follow one, two, or multi-step directions • understand purpose, structure, and organization of informational books • know a variety of literary genres and their basic characteristics • study literary elements such as plot, characters, and setting • recognize genres of literature; fiction/nonfiction	• master consonant and vowel sounds of alphabet – visual and auditory • mark vowels as long, short, or silent • memorize special sounds and rule words • apply special sounds to blends – recognize by sound and write • correctly spell words with special sounds • use of prefixes and suffixes • sound out unfamiliar words by use of special sound rules • memorize and apply additional rules for correct spelling of words	• name an action part of a sentence; four types of sentences; writing complete sentences; capitalization and punctuation • identify and use nouns and pronouns; singular and plural nouns; spelling changes for nouns; possessive nouns and pronouns • identify and use action verbs; present, past, and past participle forms; forms of being verbs; contractions • identify and use adjectives that describe how things look, taste, smell, sound, and texture; using "a" and "an"; -er and –est adjectives • use capitalization rules for holidays, months and days of the week, titles for people, book titles • use commas and quotation marks • use spelling patterns and generalizations (such as word families, position-based spelling, syllable patterns, ending rules, meaningful word parts) in writing words • spell grade-appropriate words, consulting references when necessary • show mastery of manuscript letters of the alphabet • show and introductory understanding and use of lower and upper-case cursive alphabet • show and understanding of letter connection and word formation	(all standards performed at grade level) • correctly apply word use and sentence/paragraph structure • write personal thoughts down on paper in coherent sentences • learn steps in the writing process such as drafting, revising, proofreading, publishing • write a fiction selection such as a story or personal narrative • explain instructions for a "How-to-do" demonstration • inform with a nonfiction research report • write an essay to express an opinion • influence with a writing to persuade • recognize different types of poetry and write poems • keep a personal journal

Math: By the end of Grade 2, students at Berea will be able to

Number Sense and Operations	Algebra	Geometry	Measurement	Data and Problem Solving
• read, count and write whole numbers to 1,000 • understand number concepts such as even/odd, ordinal numbers, skip-counting, rounding, benchmarks • identify the value of coins, make change, compare amounts of money using appropriate symbols, add and subtract money • understand the meaning of fractions as part of a whole or parts of a group, compare like denominators, equivalent fractions • add whole numbers with basic facts, 3 or more addends, up to 3 digit addition with/without regrouping, estimate sums, fact families • subtract whole numbers with basic facts, missing addends, column subtraction with up to 3 digits with/without regrouping, estimate differences	• identify, extend, transfer, and correct patterns • understand and use algebraic properties of whole numbers, equations and expressions, inequalities	• identify and use line relationships, • identify plane and solid figures • understand and apply congruence • understand and apply transformations	• measure linear lengths, capacity, weight/mass in both customary and metric units • discuss temperature, read a thermometer for both Fahrenheit and Celsius scales • read a clock to 1 minute intervals, discuss various lengths of time, interpret calendars, elapsed time	• collect and organize data with tally and frequency tables; transfer of data to pictographs, bar and line graphs • interpret data with range, median, and mode, make predictions • demonstrate strategies for solving word problems

Science and Health: By the end of Grade 2, students at Berea will learn about

Nature of Science and Engineering	Life Science	Earth Science	Physical Science	Health
• Process skills (observing, classifying, measuring, inferring, predicting, communicating) • science tools (hand lens, ruler, balance, measuring cup, thermometer) • scientific method	• Living things: living contrasted with nonliving things, basic needs (food, water, space, shelter), characteristics of living things, life cycles • Fossils and dinosaurs: Creation, evolution, fossils, ways fossils form, dinosaurs, kinds of dinosaurs • Plants: parts of a plant, what plants need, seeds, seed dispersal, plant life cycle • Biomes: community, population,	• Parts of the earth: the surface, globes, volcanoes, earthquakes, layers (crust, mantle, core) • Movement of the earth: sunrise, sunset, rotation, daytime, nighttime, revolution, seasons • Natural resources: conservation, water, soil, erosion, fossil fuels; reduce, reuse, recycle • Earth in space: rotation; revolution, day and night, seasons	• Motion: forces, motion, friction, gravity, weight, magnetism energy • Light and shadows: sources of light, reflection, colors, transparent, opaque, shadows • Matter and heat: forms of matter (solid, liquid, gas), changing forms (freezing, melting), temperature, thermometer	• Systems of the body: skeletal, muscular, circulatory, respiratory, digestive; • Food and exercise

	habitat, environment, desert, rainforest, tundra, forests, ocean, pond			

Social Studies: By the end of Grade 2, students at Berea will learn that

- A government makes laws to help people be safe and get along
  - Explain citizens' rights and responsibilities at home, at school, and in the community
  - Identify and describe functions of government
  - Identify local, state, and national leaders, their contributions, while comparing and contrasting their functions
  - Describe the three branches of government and explain their functions
- Maps help us learn about the different kinds of land, water and places around us
  - Define and describe a place by its absolute and relative location
  - Identify landforms and bodies of water in North America
  - Recognize that climate and seasons vary depending on location and time of year
  - Recognize hemispheres, the equator, and poles on a map or globe
  - Identify and compare the characteristics of world regions
- People use the land and its resources to help them live
  - Identify ways people can care for and conserve Earth's resources
  - Identify how the geography of a place affects the way people live
  - Describe how people use technology to change the environment
  - Describe how new methods of transportation and communication link people, places and ideas
- History is the story of how people and places change over time
  - Recognize that while some things change over time, other things stay the same
  - Describe the lifestyle of a Native American community
  - Identify important people related to our country's independence
  - Identify and describe how landmarks honor our country's history and ideals
  - Identify national heroes, legends, and holidays and their significance
- Our country is made up of many different people and cultures
  - Identify the features of a culture, including dress, art, language, food, music and beliefs
  - Recognize that immigrants bring a variety of cultures to the United States
  - Recognize that each culture has unique traditions and customs while comparing that of different cultures
  - Recognize that people from many cultures have contributed to American society

Physical Education: By the end of Grade 2, students at Berea will be able to

- (see grade 4 for standards. Grades 1-4 are taught together. Standards are performed at grade level)

Art: By the end of Grade 2, students at Berea will be able to

- (see grade 4 for standards. Grades 1-4 are taught together. Standards are performed at grade level)

Music: By the end of Grade 2, students at Berea will be able to

Rhythm	Melody	Form
• Keep a steady beat with body percussion and on a variety of classroom instruments • Move appropriately to music in duple and tripe meter showing the strong beat • Clap and play rhythms using quarter, eighth notes in pairs,	• Use expressive speech in poetry and stories • Sing patterns of "s-m; m-r-d" • Notate patterns of "s-m; m-r-d" • Know where to find phrase endings • Identify a repeated phrase	• Identify repetition and contrast in a musical example • Identify the difference between a verse and a refrain in a piece of music • Identify beginning and ends of phrases • Identify, play, compose introductions and codas

and quarter rests • Play repeated rhythm patterns from rote or notation • Walk the beat while clapping other simple rhythms	• Sing music in duple, triple and compound meter • Sing in unison • Match pitch • Identify "do" as a tonal center • Sing patterns of "s-m; s-m-l; s-m-l-d; m-r-d" • Notate patterns of "s-m; s-m-l; s-m-l-d; m-r-d" • Show melodic contour by drawing static or continuous lines • Identify melodic movement by steps and leaps • Identify melodic patterns as same of different	• Identify, play, sing and compose melodies and rhythms in AB form • Identify and play repeats correctly
Harmony	**Tone Color**	**Expressive Qualities**
• Perform rhythms and melodies in two part canon • Perform patterns using body percussion or instrument while speaking or singing • Understand difference between unison and harmony • Play an ostinato on pitched or unpitched instruments • Play tonic and level borduns • Perform rhythms and/or melodies in two part canon	• Identify different tone colors of various vocal examples including individuals or groups • Identify a variety of band instruments by sight and/or sound • Identify rhythm instruments according to their sound • Identify four families of instruments by sight • Categorize wind, string, percussion and brass instruments	• Use dynamics to illustrate poetry, stories, chants, songs, etc. • Experience music of different cultures • Experience music of different styles • Identify music that is loud/soft or gets louder/softer • Identify music that is fast/slow or gets faster and slower

Grade 3

God's Word: By the end of Grade 3, students at Berea will

Bible History	**Catechism**	**Hymnology**
• receive a saving knowledge of the Lord Jesus Christ and grow spiritually in faith in the Triune God • study the truths of God's Word through Bible lessons from the Old and New Testaments (alternate years) • apply the Bible lesson truths to our lives; given specific examples of how Christians should and should not live	• study basic doctrines of the Bible, such as Law and Gospel, confession, redemption • learn about the parts of Luther's Small Catechism and apply to our lives • relate truths of God's Word across the curriculum	• sing, study, and memorize hymns as another way to worship the Lord

English/Language Arts: By the end of Grade 3, students at Berea will be able to

Reading	**Language**	**Writing**
• identify and use consonant blends, vowel digraphs, r-controlled, variant, and schwa sounds • identify and use inflectional endings with spelling changes, plurals, comparatives-superlatives, prefixes, suffixes, derivations, root words • demonstrate mastery of lesson vocabulary, use of context clues • read aloud accurately with intonation, expression, pacing • understand and use synonyms, antonyms, homographs,	• identify types of sentences; subject and predicate of a sentence; correct run-on sentences; • demonstrate correct use of capitalization and punctuation rules • identify and use common and proper nouns; singular and plural nouns; singular and plural possessive nouns • identify and use verbs that show action; helping verbs; special verb "be"; irregular verbs; • understand the meaning of adjectives; comparing with	(all standards performed at grade level) • correctly apply word use and sentence/paragraph structure • write personal thoughts down on paper in coherent sentences • learn steps in the writing process such as drafting, revising, proofreading, publishing • write a fiction selection such as a story or personal narrative • explain instructions for a "How-to-do" demonstration

homophones • demonstrate comprehension of text with use of cause-effect, compare-contrast, main idea and details • draw conclusions, predict outcomes, make inferences, use sequence, summarize, and analyze text structure • interpret information from visuals such as tables, maps, charts, diagrams, and time lines • use reference materials, such as the dictionary, thesaurus, search engines and data bases • understand various types of literary genres and their basic characteristics • analyze plot development, character and setting descriptions, use of figurative language, pinpoint theme	adjectives; using "a", "an", "the" • understand the meaning of adverbs and types of adverbs • demonstrate correct capitalization of proper nouns, book titles, abbreviations • use commas in a series and introductory words; quotation marks • identify and use subject and object pronouns; possessive pronouns; using "I" and "me"; homographs • using Daily Language Practice – edit one sentence per day	• inform with a nonfiction research report • write an essay to express an opinion • influence with a writing to persuade • recognize different types of poetry and write poems • keep a personal journal

Math: By the end of Grade 3, students at Berea will be able to

Number Sense and Operations	Algebra	Geometry	Measurement	Data and Problem Solving
• read, write, compare, order, and round numbers to hundred thousands, place value and expanded form, rounding • add whole numbers with basic facts, add up to 4-digit numbers, estimate sums, addition properties, check addition • subtract whole numbers with basic facts, subtract up to 4-digit numbers, estimate differences, check subtraction • identify coin and bill value, compare amounts, find equivalent amounts, use appropriate symbols, add, subtract, multiply, and divide money values • read, write, compare, order, add, subtract decimals to tenths and hundredths places • understand the meaning of fractions as part of a whole or part of a group, compare and order fractions with like/unlike denominators, simplest form, equivalent fractions, mixed numbers, add and subtract fractions with like denominators	• solve algebraic equations and expressions	• understand concepts of perimeter, circumference, area, and volume of plane figures and solids • use formulas to obtain these dimensions • understand and use visual concepts such as patterns, congruence, symmetry, similarity, and transformations	• measure length/distance, capacity, and weight/mass with customary and metric units • read a thermometer with the Fahrenheit and Celsius scale • tell time to the 1-minute interval, elapsed time, calendars, schedules, sequence	• collect, organize, and display data with pictographs, bar graphs, line graphs, and circle graphs • analyze data using mean (average), median, mode, and range; probability • demonstrate an understanding of word problem-solving strategies with a variety of methods

• understand the meaning of multiplication, basic facts through 10x10, multiply multi-digit by 1 factor, multiples, and multiplication properties • understand the meaning of division, basic facts through 10s, missing factors, divide multi-digit by 1-digit divisor with or without remainder, estimate quotients • understand the meaning of fractions, add and subtract fractions with like denominators				

Science and Health: By the end of Grade 3, students at Berea will learn about

Life Science	Earth Science	Physical Science	Health
• God's creatures; cold-blooded and warm-blooded animals • God's great design in plants and ecosystems • Cold-blooded animals: fish, amphibians, reptiles • Warm-blooded animals: birds, mammals; instincts and learned behaviors • Plants: parts of a plant, photosynthesis, chloroplasts, chlorophyll, stomata, uses of plants • Ecosystems: characteristics of living things, environment, population, community, habitats, producers, consumers, decomposers, herbivores, omnivores, carnivores, food chains, food webs, predator, prey, changes in ecosystems, resources, balancing ecosystems • Cells: microscope, cell sizes and shapes, one-celled living things, parts of cells, tissues, organs, systems	• the fact that that God is the Creator of the universe; identify the orderliness of God's creation • God's mighty forces in matter, sound, and energy in motion • God's earth and sky; soil, rocks, minerals, weather, and the solar system • Rocks: how they form (igneous, sedimentary, metamorphic), weathering • Minerals: uses, characteristics of minerals • Soil: layers of soil, humus • Weather: atmosphere, temperature, precipitation, water cycle, weather instruments (rain gauge, weather vane, anemometer), drought, clouds, wind, meteorologist, weather forecast, storms (tornado, hurricane, blizzard) • Solar system: the sun, planets, asteroids and dwarf planets; constellations, astronomers, • Telescopes	• Motion: forces, friction, gravity, weight, magnetism, motion, work, energy, kinds of energy • Sound: vibrations, causes of sound, sound waves, speed of sound through matter, reflected sound waves, echoes, absorbing sound waves, characteristics of sound (pitch, volume, quality), using sound • Matter: properties of matter, mass, balance, volume, graduated containers, states of matter (solid, liquid, gas), changing states of matter (evaporation, condensation), properties of water, physical changes, mixtures, chemical changes	• God's miracle of life in cells, tissues, organs, and skin • Ear: parts of the ear, how sound travels through the ear • Skin: epidermis, dermis, characteristics of skin, melanin, fingerprints, nerves, blood vessels, • Sweat glands, pores, oil glands, skin care

Social Studies: By the end of Grade 3, students at Berea will learn about

- communities near and far, local communities, urban, suburban, rural communities
- physical geography of U.S. and local areas;
- natural resources; changing and caring for the environment
- history of and inventions in communities
- building, growth, change of communities,
- structure of local, state, and national government, world governments

- citizenship, American and world culture, symbols of our nation
- how business works, world trade, free market economy, forms of money
- latitude and longitude, primary sources, historical documents, biographies
- map grid, landform, history, road, population, land use and product maps; direction distance scale

Physical Education: By the end of Grade 3, students at Berea will be able to

- (see grade 4 for standards. Grades 1-4 are taught together. Standards are performed at grade level)

Art: By the end of Grade 3, students at Berea will be able to

- (see grade 4 for standards. Grades 1-4 are taught together. Standards are performed at grade level)

Music:

(see grade 4 for standards. Grades 3&4 taught together in a two-year cycle)

Grade 4

God's Word: By the end of Grade 4, students at Berea will

Bible History	Catechism	Hymnology
• receive a saving knowledge of the Lord Jesus Christ and grow spiritually in faith in the Triune God • study the truths of God's Word through Bible lessons from the Old and New Testaments (alternate years) • apply the Bible lesson truths to our lives; given specific examples of how Christians should and should not live	• study basic doctrines of the Bible, such as Law and Gospel, confession, redemption • learn about the parts of Luther's Small Catechism and apply to our lives • relate truths of God's Word across the curriculum	• sing, study, and memorize hymns as another way to worship the Lord

English/Language Arts: By the end of Grade 4, students at Berea will be able to

Reading	Language	Writing
• decode prefixes, suffixes, derivations, and root words, as well as Greek and Latin roots • demonstrate a mastery of lesson vocabulary • read aloud in a manner that sounds like natural speech including intonation, expression, pacing, rhythm, and vocal patterns • identify and use synonyms and antonyms, multiple-meaning words, figurative and idiomatic language, context clues • demonstrate a mastery of the dictionary, glossary, thesaurus, and reference materials • analyze text as to author's purpose and perspective, cause-effect, compare-contrast, main idea and supporting details, directions, draw conclusions • discuss fact-opinion, locate information, alphabetical order • make generalizations and predictions, paraphrase facts and details, summarize, use sequential order	• write good sentences; types of sentences; subjects and predicates; correct run-on sentences • identify and use nouns, common and proper nouns, singular and plural nouns, singular and plural possessive nouns • identify and use action verbs, main and helping verbs; verb tenses; subject-verb agreement; special verb "be"; irregular verbs • understand the meaning of adjectives; adjectives after "be"; use "a", "an", "the"; compare adjectives with "more" and "most • use abbreviations, commas, quotation marks • understand and use subject and object pronouns; using "I" and "me"; possessive pronouns • understand the meaning of adverbs; compare with adverbs; negatives • identify and use prepositions and prepositional phrases	(all standards performed at grade level) • correctly apply word use and sentence/paragraph structure • write personal thoughts down on paper in coherent sentences • learn steps in the writing process such as drafting, revising, proofreading, publishing • write a fiction selection such as a story or personal narrative • explain instructions for a "How-to-do" demonstration • inform with a nonfiction research report • write an essay to express an opinion • influence with a writing to persuade • recognize different types of poetry and write poems • keep a personal journal

• apply reading strategies such as: KWL, questions-answer relationships, skim and scan • understand the purpose, structure, and organization of reference materials • understand literary elements such as conflict and resolution, theme or essential message • describe character's traits, actions, and motives • use figurative language such as similes, metaphors, idioms, personification, hyperbole	• using Daily Language Practice – edit one sentence per day	

Math: By the end of Grade 4, students at Berea will be able to

Number Sense and Operations	Algebra	Geometry	Measurement	Data and Problem Solving
• read, write, compare, order, and round numbers to millions, place value and expanded form • add and subtract of greater numbers, check sums and differences, maintain basic facts • multiply up to 4 digit factors, maintain basic facts, estimate products • divide multi-digit numbers by up to 2 digit divisor with/without remainder, divisibility rules, estimate quotients • read, write, compare, and order decimals with place value; addition and subtraction of decimals; • demonstrate a mastery of money concepts • add and subtract fractions and mixed numbers with like/unlike denominators; renaming fractions and simplest form • estimate answers by rounding, benchmarks, compatible numbers	• understand and use algebraic properties to solve and write equations and expressions	• identify and classify line relationships, plane and solid figures, measure angles • measure plane and solid figures as to perimeter, circumference, area, volume • understand the concepts of bilateral and rotational symmetry, congruence, similarity, transformations, tessellations and nets	• measure length/distance, capacity, weight/mass in customary and metric units; unit conversions within the system; temperature with Fahrenheit and Celsius scales • demonstrate mastery of concept of time; elapsed time, units of time, schedules, calendar use	• collect, organize, and display data on a bar/double-bar graph, circle graph, line graph, stem/leaf plot, line plot • analyze data with mean (average), median, mode, and range; make predictions • Use strategies to solve word problems with a variety of methods

Science and Health: By the end of Grade 4, students at Berea will learn about

Life Science	Earth Science	Physical Science	Health
• life in God's Creation in the study of living things; insects and spiders, and plants • Insects: arthropods, body parts, protection, ways of eating, life cycles, metamorphosis, social insects (honeybees, ants) • Spiders: webs, getting food	• understand that God is the Creator of the universe; identify the precision of God's creation • God's creation of the earth for our use; weathering and erosion, the earth's resources	• Motion and machines: forces, friction, work, simple machines (levers, pulleys, wheels and axles, inclined planes, screws, wedges) • Electricity: positive charges, negative charges, static electricity, current electricity, conductors, insulators, resistors, series	• God's miracle of life in digestion, bones and muscles • Eyes: parts of the eye, path of light through the eye, vision correction • Digestive system: digestive tract, saliva, teeth, tongue, taste buds ,esophagus,

• Plants: flowering plants, parts of a flower, pollination, seeds, seed dispersal, seed parts, plant life cycle, reproduction, methods of classification • Ecosystems: environment, basic needs, resources, competition, partnerships, migration, hibernation changes, pollution • Animal defenses: adaptations (camouflage, mimicry), armor, horns, protection	• Changes on the earth: volcanoes, earthquakes, frost, action, abrasion, weathering, erosion, deposition, landslides, avalanches • Landforms: deltas, dunes, glaciers • Soil: formation, conservation • Natural resources: renewable resources (soil, water, trees, conservation, pollution, hydroelectric power, wind energy, solar energy), nonrenewable resources (fossil fuels); reduce, reuse, recycle • Water and oceans: water cycle, tides, waves, deep ocean currents, surface currents, ocean floor, ocean depths, ocean creatures • Moon: shape and size, atmosphere and temperature, mass and gravity, light, features (maria, mountains, craters, rills), revolution, rotation, phases, eclipses • History of the moon: man's theories, science, faith, age of the moon	circuits, parallel circuits • Magnetism: magnetic field, uses of magnets, electromagnets, generators • Light: sources of light, speed of light, transparent, translucent, opaque, shadows, visible spectrum, reflection, refraction, lens • Measuring matter: length, volume, mass, weight	epiglottis, peristalsis, sphincter, stomach, gastric juices, chyme, small intestine, large intestine, pancreas, liver, gallbladder • Nutrition: proteins, fats, carbohydrates, vitamins, minerals, food pyramid • Skeletal-muscular system: skeleton, parts of bones, marrow, joints, ligaments, cartilage, muscles, injuries

Social Studies: By the end of Grade 4, students at Berea will learn about

- location, landscape, climate, and natural resources
- people, government, economy
- U.S. regions; geography, early history, growth, present day, unique features
- the Northeast, Southeast, Midwest, Southwest, and West regions of U.S.
- neighboring countries of U.S.
- charts, graphs, time lines, flowcharts, diagrams
- primary and secondary sources; historical documents, biographies
- elevation, land use and resource, population, historical, road, and time zone maps
- distance scale; cardinal/intermediate directions; latitude/longitude

Physical Education: By the end of Grade 4, students at Berea will be able to

- realize the wonders and abilities in God's creation of the human body
- demonstrate motor skills and movement patterns needed to perform a variety of physical activities
- learn awareness of personal space and boundaries while traveling at varying rates of speed and direction
- participate in moderate to vigorous physical activities that increase breathing, heart rate, and endurance
- improve individual strength through sustained movement of large muscle groups
- demonstrate basic stretches using proper alignment to increase flexibility
- improve coordination through movement activities
- increase balance and control with stationary positions
- participate in aerobic , cooperative, and team sport lead-up games
- have an introductory understanding of rules, concepts, and skills practice for team sports

- improve hand-eye coordination through activities that involve manipulatives such as balls and striking implements
- understand and apply visual and auditory cues and directives
- establish emotional control and social competency through partner and team activities
- realize benefits of physical activity in personal life

Art: By the end of Grade 4, students at Berea will be able to

- observe, analyze, and marvel at the beauty of God's creation
- describe how works of art have recorded and preserved history
- describe the uses of art in a variety of cultures
- explain how different artists have influenced art
- recognize various materials used in artwork
- understand how various art elements can produce different visual effects
- understand and use art as a means for creative self-expression
- study art elements such as color, line, shape, space, texture
- investigate design principles such as scale and proportion, balance, rhythm, emphasis, and unity
- explore processes such as painting, drawing, sculpt, collage, crafts, and printing
- investigate various mediums in creating personal artwork
- experiment with selected techniques to improve the quality of artwork
- improve small motor skills using a variety of implements
- include attention to direction, neatness, and precision to improve the presentation of artwork

Music: By the end of Grade 4, students at Berea will be able to

Rhythm	Melody	Form
• Keep a steady beat with body percussion and various instruments alone and while singing • Identify strong and weak beats in duple and triple meter • Read and write rhythms with whole, half, quarter, eighth notes, and their corresponding rests • Identify same, similar and different rhythmic patterns • Read rhythms that include a variety of rests • Perform rhythms that include fermatas • Identify and conduct time signatures including 2/4, 3/4, & 4/4 • Correctly read rhythms using dotted quarter notes and single eighth notes • Read and perform rhythms that include syncopation	• Match pitch • Sing in unison • Read and write melodic pentatonic patterns • Read and write in C, F, & G Pentatonic • Identify absolute pitches in C, F, & G Pentatonic • Sing songs in a variety of keys • Experience songs in minor mode • Identify same, similar and different melodic patterns • Sing and identify melodic movement that includes steps, leaps repeats and octave jumps • Sing a variety of pieces that include melodic sequences and imitation	• Identify and define "phrase" • Identify and compose music in ABA form • Identify and compose music including a D.C. al fine • Identify a motive as a part of a phrase • Improvise rhythmic and melodic phrases in a Q & A format • Identify and compose introductions and codas in a piece of music • Experience music in the following forms: AB, ABA, 5 part Rondo, Verse and Refrain, Call and Response
Harmony	**Tone Color**	**Expressive Qualities**
• Play level, broken and moving borduns • Play and sing various ostinati • Sing songs with counter melodies • Sing and play two part canons • Describe the difference between unison and harmony • Sing and play in canon • Sing partner songs	• Identify woodwind and percussions from sight and sound • Sing songs with recorder accompaniment through ostinati • Play melodies and ostinati on the recorder using B,A,G from rote and notation • Identify the differences between the following vocal parts aurally: soprano, alto, tenor, bass • Identify the difference aurally between an orchestra and a band	• Experience music of different cultures while stating qualities heard • Experience music of different styles while stating qualities heard • Discuss the relationship of words and music and their influence on musical style • Discuss how dynamics and tempi effect expressive qualities in a piece of music

		• Experience music of different cultures while stating qualities heard • Experience music of different styles while stating qualities heard • Discuss how dynamics and tempi effect expressive qualities in a piece of music

Grades 5&6

(except where indicated, subjects are combined for grades 5&6)

God's Word: By the end of grade 6, students at Berea will

Bible History	Catechism	Hymnology

• receive a saving knowledge of the Lord Jesus Christ and grow spiritually in faith in the Triune God
• study the truths of God's Word through Bible lessons from the Old and New Testaments (alternate years)
• apply the Bible lesson truths to their lives; given specific examples of how Christians should and should not live
• memorize and recite applicable Bible passages
	• learn about the organization of the Bible and the books of the Bible
	• study basic doctrines of the Bible, such as Law and Gospel, confession, redemption as set forth in Luther's Small Catechism
	• study the six chief parts of Luther's Catechism and apply them to our lives
	  ➢ the Ten Commandments
	  ➢ the Apostles Creed
	  ➢ the Sacrament of Holy Baptism
	  ➢ the Sacrament of Holy Communion
	  ➢ the Office of the Keys and Confession
	  ➢ the Lord's Prayer
	• memorize and recite parts of Luther's Small Catechism
	• memorize and recite applicable Bible passages and sections of Luther's Small Catechism
	• relate truths of God's Word across the curriculum
		• sing, study, and memorize hymns as another way to worship the Lord

English/Language Arts: By the end of Grade 6, students at Berea will be able to

Reading	Language	Writing

• Decode words using the following strategies: context clues, letter/sound associations, word forms and word parts
• Use alphabetical order with words
• Know the function of glossaries and dictionaries, including finding entry words
• Use glossaries and dictionaries to get the correct meaning and pronunciation of a word, using context.
• Use the following strategies to gain the meanings of words: context clues, dictionary, structural analysis of words, word relationships.
	• Use spelling patterns and generalizations (such as word families, position-based spelling, syllable patterns, ending rules, meaningful word parts) in writing words
	• Spell grade-appropriate words, consulting references when necessary
	• Identify sentences
	• Understand and recognize kinds of sentences (such as declarative, exclamatory, interrogative, imperative)
	• Recognize simple and complete subjects and predicates
	• Find the subject in imperative and interrogative sentences
		• Understand and use the writing process
		  ➢ prewriting (brainstorming, elaborating, organizing)
		  ➢ drafting (using voice, introductions and conclusions)
		  ➢ revising (elaborating, sentence fluency)
		  ➢ publishing (proofreading)
		• Compose writing in various styles
		  ➢ opinion essay
		  ➢ persuasive essay
		  ➢ fictional story or play
		  ➢ personal narrative

• Use the following comprehension strategies:
  ➢ following directions
  ➢ noting important details
  ➢ noting correct sequence
  ➢ categorizing
  ➢ identifying topic and main idea
  ➢ visualizing
  ➢ making inferences (such as drawing conclusions and predicting outcomes
  ➢ compare/contrast relationships
  ➢ cause-effect relationships
  ➢ thinking and reading critically (such as differentiating between fact and opinion and recognizing propaganda
• Understand figurative language (such as idioms, similes and metaphors)
• Understand different text structures
• Understand the structure of books (such as contents, index, etc.)
• Use the library
• Use special reference sources
• Use special graphic aids (such as maps, diagrams, charts, graphs, tables, timelines)
• Evaluate sources of information
• Use structure to organize and retell information
• Organize time and develop independent study strategies
• Recognize the characteristics of different types of fiction
• Recognize the characteristics of different types of non-fiction
• Recognize and appreciate poetry by listening to and reading.
• Recognize different types of poetry
• Understand the various story elements such as characters, setting, plot, and theme
• Understand author's use of characterization, point-of-view
• Recognize writing styles and devices (such as dialogue, narrative, literary devices, and word techniques.
• Read and understand various classic and contemporary novels
	• Identify and use conjunctions
	• Identify and use complex sentences
	• Understand and recognize fragments and run-ons and be able to correctly revise them.
	• Identify nouns and kinds of nouns
	• Use and identify singular, plural, and possessive nouns
	• Identify verbs and kinds of verbs (such as action, being, and linking)
	• Understand and identify verb phrases
	• Understand and use simple verb tenses
	• Understand and use parts and forms of regular and irregular verbs
	• Identify and use direct objects
	• Understand and use transitive and intransitive verbs
	• Understand proper subject-verb agreement in various sentence structures and apply it in writing.
	• Use similar verbs correctly
	• Correctly use verb contractions
	• Identify and use adjectives and adverbs
	• Correctly use articles and demonstratives
	• Use proper adjective and adverb forms when comparing
	• Use negative adverbs correctly
	• Distinguish between adjectives and adverbs
	• Identify and use interjections
	• Use correct capitalization in sentences, proper nouns, and proper adjectives
	• Use commas correctly
	• Use quotation marks in dialogue correctly
	• Correctly punctuate and capitalize titles
	• Correctly punctuate abbreviations
	• Identify and use personal and possessive pronouns and their antecedents
	• Identify and understand subject and objects pronouns
	• Identify and use indefinite pronouns
	• Identify prepositions and prepositional phrases and use them as modifiers
	• Choose correct prepositions in writing
	• Distinguish between prepositions and adverbs
		➢ compare/contrast essay
		➢ poetry
		• Write a research report using the skills of gathering resources, outlining, taking notes, drafting from notes, quoting sources, and publishing the report

Math Grade 5: (by the end of grade 5, students at Berea be able to			
Number Sense and Operations	**Algebra**	**Geometry**	**Measurement**
• Understand place value, including decimal place value • Order and compare whole numbers, integers, fractions, decimals, and mixed numbers • Add, subtract, multiply, and divide using whole numbers, fractions, decimals, and mixed numbers. • Estimate and round using numbers, fractions, decimals and mixed numbers • Use benchmark numbers. • Estimate sums and differences. • Understand equivalent fractions and simplest form. • Understand and use mixed numbers • Relate between fractions and decimals. • Use properties of addition and multiplication to simplify expressions. • Use divisibility rules. • Determine factors, common factors, and greatest common factors of whole numbers. • Understand prime and composite numbers • Understand prime factors and determine the prime factorization of numbers. • Have an introductory understanding of exponents and use expanded form. • Use appropriate methods, including calculators and other technologies, to solve problems. • Apply the correct order of operations including addition, subtraction, multiplication, division, and grouping symbols to simplify and evaluate numeric expressions. • Find opposites and absolute value of integers. • Have an introductory knowledge of ordering, adding, and subtracting integers. • Understand ratios and use them to compare quantities. • Identify equivalent ratios and be able to write proportions.	• Apply arithmetic operations in the correct order to simplify and evaluate numeric and algebraic expressions • Have an introductory understanding of variables and represent unknowns with variables. • Write equations • Understand what the solution of an equation is and solve whole number equations using basic mathematical operations. • Be introduced to solving equations and inequalities • Be introduced to functions. • Identify, describe and extend geometric and numerical patterns	• Identify and draw simple geometric figures by name • Identify and classify triangles. • Identify and classify quadrilaterals. • Understand and draw the parts of a circle. • Identify congruent and similar figures and find lines of symmetry • Transform a figure and determine if it will tessellate	• Understand customary and metric systems of measurement in length, weight or mass, capacity. • Solve problems requiring conversion within the customary and metric systems. • Make calculations of time, temperature within standard measuring systems. • Solve problems involving area of polygons. • Determine perimeter of polygons and circumference of a circle and solve problems using perimeter. • Relate perimeter and area.

• Interpret scale drawings using ratios.			

Math Grade 6: By the end of Grade 6, students at Berea will

Number Sense and Operations	Algebra	Geometry	Measurement	Statistics and Data
• Order and compare whole numbers, fractions, decimals, and mixed numbers • Add, subtract, multiply, and divide using whole numbers, fractions, decimals, and mixed numbers. • Estimate and round using numbers, fractions, decimals and mixed numbers • Determine factors, common factors, and greatest common factors of whole numbers. • Determine multiples and least common multiples of whole numbers. • Understand prime factors and determine the prime factorization of numbers. • Use and understand exponents. • Use appropriate methods, including calculators and other technologies, to solve problems. • Apply the correct order of operations including addition, subtraction, multiplication, division, and grouping symbols to simplify and evaluate numeric expressions. • Find, recognize, describe, and extend patterns in sequences. • Understand ratios, rates, and proportions and use them to solve problems. • Understand percents and be able to convert between percents, fractions and decimals • Solve problems finding percentage of a number.	• Apply arithmetic operations in the correct order to simplify and evaluate numeric and algebraic expressions • Write algebraic expressions from words and tables to solve problems. • Understand what the solution of an equation is and solve whole number equations using basic mathematical operations. • Have an introductory understanding of solving equations with integers, decimals, fractions, and mixed numbers. • Understand the coordinate system by graphing, plotting points on a graph. • Identify, describe and extend geometric and numerical patterns • Use tables to write functions and solve problems • Represent functions using ordered pairs and graphs.	• Identify simple geometric figures by name. • Use ratios and proportions to indentify similar figures • Classify lines and angles and understand the relationship of lines and angles. • Identify and classify triangles as acute, obtuse, right, scalene, equilateral, and isosceles. • Identify and classify quadrilaterals as trapezoid, parallelogram, rectangle, rhombus or square • Understand the parts of a circle. • Use triangles to solve problems • Identify regular and irregular polygons • Identify congruent figures • Use translations, reflections, and rotations to transform geometric shapes	• Understand customary and metric systems of measurement. • Solve problems requiring conversion within the customary and metric systems. • Make calculations of time, temperature within standard measuring systems. • Solve problems involving area of circles and polygons and volume and surface area of 3D figures. • Determine perimeter and circumference of a circle and solve problems using perimeter. • Use proportions to solve problems with indirect measurement • Measure, identify, and draw angles, parallel and perpendicular lines, triangles, and rectangles using straight edge, protractor, ruler and compass • Measure angles within a polygon	• Collect, organize and represent categorical and numerical data with various means, such as tables, bar graphs, line plots, frequency tables, histograms, and stem-and-leaf plots. • Determine the most appropriate means of displaying data. • Understand and find the mean, median, mode, range, and outliers, and determine the appropriate use of each. • Use data to draw conclusions and identify trends • Differentiate between misleading and accurate data representations.

Science and Health: By the end of Grade 6, students at Berea will learn about				
Nature of Science and Engineering	**Life Science**	**Earth Science**	**Physical Science**	**Health**
• The interrelationship of science concepts • The role of technology in God's creation, and how God's natural laws influence man's technology • Man's role as steward of God's creation • The scientific method and its application, including hypothesizing, experimenting, observing, and analyzing data in a variety of hands on experiments and activities • Evaluating scientific literature based on different viewpoints of science • Heat technology and fuels • Weather forecasting technology and instruments • Technology using the principles of sound, including acoustics and sonar • Light technology, including mirrors, lasers, cameras, etc. • Biotech devices, such as pacemaker • Mineral uses • Microscopes • Uses for plants and trees • Battery design and function • Electric generator design • Electromagnet technology • Electronics and computer technology • Telescopes and other astronomical instruments • Space exploration technology	• Dinosaurs and man • Basics of living things • Cells and cell structure • Cell reproduction • The living kingdoms • The classification system of living things • Animal classification • Vertebrates and invertebrates • The differences between mammals and humans • Plant classification • Nonvascular and seedless vascular plant • Angiosperms and gymnosperms • The structure of plants and function of plant parts	• The structure of the earth • Weathering and erosion • Minerals and their characteristics • Identifying minerals • Rocks and their formation • Fossils and paleontology • Two beliefs about the origin of the earth: Creation and evolution • Meteorology and weather • The atmosphere and winds • Biomes and the biosphere • Climate • Star structure and classification • Kinds of stars • Constellations • Star groups and galaxies • Other stellar objects • The sun's structure and effects on the earth • The planets of the solar system • How God made the earth unique for life • The moon	• The properties of matter such as volume, mass, weight, density, and temperature • Measuring the properties of matter • The states of matter and changes of state • Molecular structure, including atoms, elements, and compounds • Physical and chemical changes • Mixtures and solutions • Types of energy • Thermal energy and heat • Conductors and insulators • Sound and sound waves • Light and color • Reflection and refraction of light • Electromagnetic spectrum • Static and current electricity • Magnets and magnetism • Circuits and measurement of electricity • Motion, speed, and velocity • Work and energy • Machines: simple and compound	• Metabolism and calories • The respiratory system • Respiratory problems and diseases • Problems related to smoking • The circulatory system • Blood and blood types • Heart and circulatory health • The nervous system: central and peripheral • The five senses • Memory • The health benefits of sleep • The endocrine system • Nervous system disorders • Drug use and abuse • The immune system • Diseases and pathogens • Non-communicable diseases • Antibiotics and antibodies

Social Studies: By the end of Grade 6, students at Berea will learn about

American History	Geography and Map Skills	World History
• Native Americans • European Exploration of North America • Spanish, French, Dutch, and English interactions with Native Americans and Africans • European colonial history in North America • American colonial life and government • Conflicts between American colonies and England • The American Revolution and Declaration of Independence • The forming of the new United States government • The Constitution and the Bill of Rights • Westward expansion and the Louisiana Purchase • The War of 1812 • The Industrial Revolution and early 19th Century • Analyzing and comparing primary sources	• Following routes on a map • Using elevation and relief maps • Using cultural maps • Using historical maps • Using different map projections • Using population maps and cartograms • Using time zone maps • Using latitude and longitude • Using a product map	Either… • Early Mesopotamian history • Ancient Egyptian history • Early Asian civilizations • Early civilizations of the Americas • Early Chinese history • Early Indian and Persian empires • Ancient Greek history and culture • The Greek Empire • Ancient Roman history and culture • Byzantine and Muslim empires • Trade empires of Africa, Europe and Asia Or… • European Renaissance and exploration • African history • Early modern Asian history • The Ottoman and Mogul empires • Growth of democracy in the Americas • The Industrial Revolution • The rise of nationalism and imperialism • World War I, the Russian revolution and the Great Depression • World War II and the Cold War • Modern Chinese and Japanese history • Modern South American history • Modern Indian and Middle Eastern history • Modern African and European history

Physical Education: By the end of grade 6, students at Berea will be able to

- demonstrate a knowledge of the importance of physical fitness for a person's well-being and to glorify God
- demonstrate a knowledge and refining of the skills needed to participate in core units such as soccer, flag football, basketball, volleyball, floor hockey, table tennis, badminton, softball, Frisbee golf, track and field
- demonstrate a knowledge of the rules involved in core units such as soccer, flag football, basketball, volleyball, floor hockey, table tennis, badminton, softball, Frisbee golf, track and field
- demonstrate an ability to play cooperatively and competitively showing good sportsmanship and attitude

Art: by the end of grade 6, students at Berea will be able to

- explore the basic aspects of art, such as color, line, texture, shape, space, perspective and value
- use a variety of media in expressing artistic ideas such as various types of paint, chalk, paper, clay, wood, printing,
- explore a variety of artistic methods, such as pencil drawing, chalk drawing, watercolor painting, sculpture, paper working,
- explore a variety of cultural artistic influences and techniques

- demonstrate an ability to creatively and effectively express ideas through various artistic aspects, media, and methods.

Music:

(see grades 7&8 for standards. Grades 5-8 taught together in a four-year cycle)

Grades 7&8

(except where indicated, subjects are combined for grades 7&8)

God's Word: By the end of grade 8, students at Berea will

Bible History & Catechism

Bible History and Catechism standards for Grades 5&6 (see standards for God's Word, Grades 5&6) are covered in 7th & 8th grade in a more in-depth manner with the pastor. In addition, the student will be prepared for the following:

- Confirmation
- Lord's Supper
- active membership in the congregation

Hymnology

- sing, study, and memorize hymns as another way to worship the Lord

English/Language Arts: By the end of Grade 8, students at Berea will be able to

Reading

- Understand the structures of a book (such as title, cover art, copyright page, table of contents, back cover blurbs, etc.)
- Understand the various story elements, such as characters, setting, plot, conflict, theme, etc.
- Understand and identify plot structure, including exposition, complication, crisis, falling action, resolution
- Understand authors' literary strategies (such as mood, characterization, foreshadowing, flashback
- Understand and identify various forms of rhetoric (such as parallelism, similes, metaphors, ellipses, hyperbole, personification, metonymy, puns, onomatopoeia)
- Use and understand graphic aids (maps, charts, graphs, diagrams)
- Use context, word analysis, and references to gain the meaning of vocabulary
- Understand and identify different author points-of-view (such as first-person, second-person, third-person limited or omniscient)
- Identify the various types of fiction (such as fantasy, historical fiction, science fiction, realistic fiction)
- Understand and identify irony in an author's writing
- Identify various types of non-fiction (such as biography, expository, informational, persuasive, etc)
- Recognize and understand the structure of plays
- Understand and appreciate poetry by reading and listening

Language

- Use spelling patterns and generalizations (such as word families, position-based spelling, syllable patterns, ending rules, meaningful word parts, Greek and Latin affixes and roots) in writing words
- Spell grade-appropriate words, consulting references when necessary
- Understand and recognize kinds of sentences (such as declarative, exclamatory, interrogative, imperative)
- Recognize simple and complete subjects and predicates
- Find the subject in unusual sentence structures
- Recognize and understand compound and complex sentences and sentence structure
- Identify and use conjunctions
- Form compound, complex, and compound-complex sentences in writing.
- Understand and recognize fragments and run-ons and be able to correctly revise them.
- Identify nouns and kinds of nouns
- Use and identify singular, plural, and possessive nouns
- Identify verbs and kinds of verbs
- Understand and identify verb phrases
- Understand and use verb tenses, including perfect tenses
- Understand and use parts and forms of regular and irregular verbs
- Understand and use transitive and intransitive verbs

Writing

- Understand and use the writing process
  - prewriting (brainstorming, elaborating, organizing)
  - drafting (using voice, introductions and conclusions)
  - revising (elaborating, sentence fluency)
  - publishing (proofreading)
- Compose writing in various styles
  - opinion essay
  - persuasive essay
  - fictional story or play
  - personal narrative
  - compare/contrast essay
  - poetry
- Write a research report using the skills of gathering resources, outlining, taking notes, drafting from notes, quoting sources, and publishing the report

• Read and understand various classic and contemporary novels	• Identify and use verb complements (such as direct and indirect objects, predicate nouns, predicate adjectives) • Identify and use active and passive voice of verbs • Understand proper subject-verb agreement in various sentence structures and apply it in writing. • Use similar verbs correctly • Identify and use adjectives and adverbs • Use proper adjective and adverb forms when comparing • Use negative adverbs correctly • Distinguish between adjectives and adverbs • Identify and use interjections • Use correct capitalization in sentences, proper nouns, and proper adjectives • Use commas correctly • Correctly punctuate dates, addresses and letters • Use quotation marks in dialogue correctly • Correctly punctuate and capitalize titles • Correctly punctuate abbreviations and use numbers in writing • Use semi-colons and colons correctly • Use apostrophes, hyphens, dashes, and parentheses correctly • Identify and use personal and possessive pronouns and their antecedents • Identify and understand nominative and objective pronoun cases • Identify and use interrogative, demonstrative, indefinite, reflexive and intensive pronouns • Identify prepositional phrases and use them as modifiers • Choose correct prepositions in writing • Understand and identify verbals (such as participles, gerunds, and infinitives) • Identify and use gerund, participial, and infinitive phrases • Understand, identify, and use independent and subordinate clauses • Identify adjective clauses and use them in writing • Identify adverb clauses and use them in writing • Identify noun clauses and use them in writing	

Math Grade 7: (by the end of grade 7, students at Berea be able to

Number Sense and Operations	Algebra	Geometry	Measurement	Statistics, Data, and Probability
• Order and compare whole numbers, integers, fractions, decimals, and mixed numbers • Convert between improper	• Apply arithmetic operations in the correct order to simplify and evaluate numeric and algebraic expressions	• Identify and describe simple geometric figures • Use ratios and proportions to indentify similar figures	• Understand and compare and compare customary and metric systems of measurement. • Solve problems requiring	• Collect, organize and represent categorical and numerical data with various means, such as tables, bar graphs, line plots,

fractions and mixed numbers • Add, subtract, multiply, and divide using integers, fractions, decimals, and mixed numbers. • Understand and determine absolute value of integers • Write fractions as decimals and vice versa • Identify terminating and repeating decimals • Estimate and round using numbers, fractions, decimals and mixed numbers • Determine factors, common factors, and greatest common factors of whole numbers. • Determine multiples and least common multiples of whole numbers. • Understand prime factors and determine the prime factorization of numbers. • Use and understand exponents, including negative exponents • Apply exponents and express numbers in scientific notation • Use appropriate methods, including calculators and other technologies, to solve problems. • Apply the correct order of operations including addition, subtraction, multiplication, division, grouping symbols and exponents to simplify and evaluate numeric expressions. • Identify properties of rational numbers and use them to simplify expressions. • Understand ratios, rates, and proportions and use them to solve problems. • Solve proportions by using cross products. • Understand and use ratios and proportions in scale drawings and	• Write algebraic expressions from words and tables to solve problems • Understand what the solution of an equation is and solve whole number equations using basic mathematical operations. • Solve one-step equations using addition, subtraction, multiplication, and division • Solve one-step equations using integers, decimals, and fractions. • Have an introductory understanding of solving multi-step equations and equations with variables on both sides. • Have an introductory understanding of solving inequalities, including two-step inequalities • Solve percent problems using one-step equations. • Determine slope of a line and indentify constant and variable rates of change • Understand coordinate system graphing, plotting points on a coordinate grid. • Identify coordinates from a table of values • Relate graphs to situations • Use function tables to generate and graph ordered pairs • Use functions to complete sequences and find patterns • Identify and graph linear functions	• Use similar figures to identify unknown lengths • Identify angles and angle pairs • Identify line pairs and angles formed by a transversal • Identify and classify triangles as acute, obtuse, right, scalene, equilateral, and isosceles. • Identify and classify quadrilaterals as trapezoid, parallelogram, rectangle, rhombus or square • Understand the parts of a circle and find central angle measures • Identify regular and irregular polygons • Identify congruent figures and use congruence to solve problems. • Use translations, reflections, and rotations to transform geometric shapes • Identify symmetry in figures • Use the Pythagorean Theorem to find the length of a side of a right triangle. • Identify various 3D figures	conversion within the customary and metric systems. • Solve problems involving area of circles and polygons and volume and surface area of 3D figures. • Determine perimeter and circumference of a circle and solve problems using perimeter. • Measure angles within a polygon • Find the volume of prisms, cylinders, pyramids, and cones.	frequency tables, histograms, circle graphs, box-and-whisker plots, and stem-and-leaf plots. • Determine the most appropriate means of displaying data. • Understand and find the mean, median, mode, range, and outliers, and determine the appropriate use of each. • Compare and analyze sampling methods • Display and analyze data in scatter plots. • Differentiate between misleading and accurate data representations.

with scale. • Understand percents and be able to convert between percents, fractions and decimals • Estimate percents • Solve problems finding percent of a number, percent of change, and simple interest • Express and evaluate numbers using powers and roots. • Be introduced to probability, including experimental and theoretical probability. • Find probability of independent and dependent events • Find combinations and permutations.				
Math Grade 8: By the end of Grade 8, students at Berea will				
Number Sense and Operations	**Algebra**	**Geometry**	**Measurement**	**Statistics, Data, and Probability**
• Understand rational and irrational numbers. • Add, subtract, multiply, and divide using rational numbers. • Write rational numbers as decimals or fractions • Apply the properties of exponents, including negative exponents, and evaluate the zero exponent. • Express large and small numbers in scientific notation • Use appropriate methods, including calculators and other technologies, to solve problems. • Find equivalent ratios to create proportions. • Use ratios, rates, and unit rates to solve problems. • Solve proportions by using cross products. • Understand and use ratios and proportions in scale drawings, models, and with scale. • Convert between percents,	• Evaluate algebraic expressions, including ones with exponents. • Combine like terms in expressions. • Write algebraic expressions from words and tables to solve problems • Solve one-step equations using addition, subtraction, multiplication, and division • Solve one-step equations using integers, decimals, and fractions. • Solve multi-step equations and equations with variables on both sides. • Solve simple inequalities and inequalities containing integers and rational numbers. • Solve multi-step inequalities. • Solve an equation for a variable. • Determine slope of a line and use slope to draw graphs of lines. • Use slopes and intercepts to graph linear equations. • Write equations in point-slope	• Identify and describe simple geometric figures • Use scale and scale factor to find similar figures and solve problems. • Identify line pairs and angles formed by a transversal • Identify and classify triangles as acute, obtuse, right, scalene, equilateral, and isosceles. • Find unknown angles in triangles. • Identify polygons on the coordinate plane. • Identify regular and irregular polygons • Use translations, reflections, and rotations to transform geometric shapes. • Identify and create dilations of plane figures. • Identify symmetry in figures • Predict and verify patterns involving tessellations. • Use the Pythagorean Theorem and its converse to find the length	• Use conversion factors to covert units of measure. • Solve problems involving area of circles and polygons and volume and surface area of 3D figures. • Determine perimeter and circumference of a circle and solve problems using perimeter. • Find the volume of prisms, cylinders, pyramids, and cones.	• Collect, organize and represent categorical and numerical data with various means, such as tables, bar graphs, line plots, frequency tables, histograms, circle graphs, box-and-whisker plots, and stem-and-leaf plots. • Interpret information given in a graph or table. • Determine the most appropriate means of displaying data. • Understand and find the mean, median, mode, range, and outliers, and determine the appropriate use of each. • Compare and analyze sampling methods, identifying biased samples. • Display and analyze data in scatter plots. • Find the equation of a line of best fit. • Differentiate between misleading and accurate data representations.

fractions and decimals • Estimate with percents • Solve percent problems, • Apply percents to find commission, sales tax, withholding tax, and simple interest. • Express and evaluate numbers using powers and roots.	form. • Recognize direct variation and inverse variation. • Graph inequalities on the coordinate plane • Solve systems of equations. • Graph points and lines on coordinate plane • Identify and graph linear equations. • Find terms in arithmetic and geometric sequences. • Find patterns in sequences. • Represent functions with tables, graphs, or equations. • Identify and graph exponential and quadratic functions. • Find the terms in arithmetic and geometric sequences.	of a side of a right triangle.		• Use probability, including experimental and theoretical probability. • Use the fundamental counting principle to find possible outcomes. • Find probability of independent and dependent events • Convert between probability and odds. • Find combinations and permutations.

Science and Health: By the end of Grade 8, students at Berea will learn about

Nature of Science and Engineering	Life Science	Earth Science	Health
• The scientific method and its application, including hypothesizing, experimenting, observing, and analyzing data in a variety of hands on experiments and activities • Understanding God's design in living creatures • Seismology and seismic devices • Mineral uses and technology using minerals • Technology in oceanography • Instruments in measuring and forecasting the weather • Understanding man's role in the environment God has made • Managing the resources God has given humans	• Flower design and structure • Fertilization and seed structure • Plant classification • Leaf structure • Photosynthesis • Root and stem structure • Recognizing the views of the origins of life: Creation and evolution • The principles of creation and God's design in all life • Classification of animals • Mammal structure and mammal classification • Birds and bird classification • Bird structure and design • Fish structure and fish classification • Reptile structure and classification • Amphibian structure and classification • Cells and cell structure • One-celled organisms • Fungi and classification of fungi	• Soil characteristics • Soil nutrients and contents • Earth structure • Earthquakes • Volcanoes • Mineral characteristic • Identifying minerals • Rocks and rock classification • The rock cycle • Weathering: physical and chemical • Erosion • Origins of the earth: creation vs. evolution • Fossils and the fossil record • Characteristics of the ocean • Ocean currents • The geology of the ocean floor • The atmosphere's structure • The effects of the sun on the earth's atmosphere • Winds and circulation patterns • Weather • Clouds, fog and precipitation	• Systems of the human body • Body tissues • Human conception, prenatal growth and birth • Exercise and nutrition • Hygiene and cleanliness • Diseases and pathogens • Drug use and abuse

		• Air masses • Thunderstorms, lightning and tornadoes • Hurricanes	

Social Studies: By the end of Grade 8, students at Berea will learn about

American History	World History and Geography	Social Studies Skills
• Debates and conflicts between Northern and Southern states (slavery, states' rights) • The Civil War • Rebuilding the South • The Reconstruction Era • Americans settle the West • America's Industrial Age • Immigrant history and urban life in America • The Progressive movement • The work to increase women and minority rights • American imperialism • The Spanish-American War • American role in World War I and the aftermath • Life during the 1920s • The Great Depression • America in World War II • The Cold War and the Korean War • The Civil Rights movement • The Vietnam War • American history in the 1970s and 80s • Recent American history	• Understand and compare migration maps • Interpret battle maps • United states physical, political, and cultural geography • Canadian history and culture • Canadian physical and political geography • Mexican history and culture • Mexican physical and political geography • Central American history and culture • Central American physical and political geography • South American history and culture • South American physical and political geography • European history and culture • European physical and political geography • Russian history and culture • Russian physical and political geography • Middle Eastern history and culture • Middle Eastern physical and political geography • Central Asian history and Culture • Central Asian physical and political geography • North African history and culture • North African physical and political geography • South Asian (Indian subcontinent) history and culture • South Asian physical and political geography • East Asian history and culture • East Asian physical and political geography • Australian and the Pacific history and culture • Australian and the Pacific physical and political geography	• Recognizing and assessing primary sources • Interpreting political cartoons • Evaluating historical decisions • Analyzing cost and benefits • Analyzing continuity and change in history • Using visual resources • Engaging in debate • Constructing timelines • Comparing and using charts and graphs • Using mental maps • Taking notes • Using latitude and longitude • Using climate maps • Using elevation profiles • Using population maps • Analyzing cartograms • Analyzing tables and statistics • Using scale in maps • Using topographic maps • Locating information

Physical Education: By the end of grade 8, students at Berea will be able to

- demonstrate a knowledge of the importance of physical fitness for a person's well-being and to glorify God
- demonstrate a knowledge and refining of the skills needed to participate in core units such as soccer, flag football, basketball, volleyball, floor hockey, table tennis, badminton, softball, Frisbee golf, track and field
- demonstrate a knowledge of the rules involved in core units such as soccer, flag football, basketball, volleyball, floor hockey, table tennis, badminton, softball, Frisbee golf, track and field
- demonstrate an ability to play cooperatively and competitively showing good sportsmanship and attitude

Art: by the end of grade 8, students at Berea will be able to

- explore the basic aspects of art, such as color, line, texture, shape, space, perspective and value
- use a variety of media in expressing artistic ideas such as various types of paint, chalk, paper, clay, wood, printing,
- explore a variety of artistic methods, such as pencil drawing, chalk drawing, watercolor painting, sculpture, paper working,

- explore a variety of cultural artistic influences and techniques
- demonstrate an ability to creatively and effectively express ideas through various artistic aspects, media, and methods.

Music: By the end of Grade 8, students at Berea will

Rhythm	Melody	Harmony
• Continue body percussion movements • Play syncopated patterns • Identify recurring rhythm patterns • Recognize the general melodic, harmonic, and rhythmic elements of music studied and performed • Recognize and respond to meters in music that are studied and or performed • Follow conducting patterns in duple and triple meters • Move to complex rhythm patterns • Move to more complex locomotor and non-locomotor movements simultaneously • Perform conducting movements while walking • Move to show meter and form • Create melodic and rhythmic accompaniments to songs • Analyze and compare rhythmic elements in terms of steady beat, meter, rhythm patterns, and relative duration • Identify rhythmic elements of meter in 2,3,4 and 6 • Play syncopated patterns • Play steady beat off-beats • Recognize and respond to steady beat while striving for accuracy • Recognize and respond to meters in music that are studied and or performed • Play meters in 2 and 3 and 2+3 • Play polyrhythm patterns • Reproduce simple rhythmic and melodic patterns and notate from dictation • Perform and create body percussion movements • Play rhythm accompaniments in proper style • Recognize and perform rhythmic and melodic patterns	• Play intervals • Build and perform major and minor scale patterns • Perform and create melodies and accompaniments • Identify recurring melody patterns • Recognize melodic alterations • Identify intervals • Recognize repetition contrast, and sequence • Identify themes in listening selections • Draw designs representing repetition and contrast • Improvise on pentatonic scale • Recognize the general melodic, harmonic, and rhythmic elements of music studied and performed • Name all of the notes of the staff(s) for songs and or music being studied • Analyze and compare melodic structure in terms of movement, contour, sequence, phrase, cadence, and mode • Recognize longer/shorter, higher/lower, upward/downward, same/different, louder/softer, faster/slower • Create melodic and rhythmic accompaniments to songs • Create original melodies • Recognize and perform rhythmic and melodic patterns • Sing songs in various languages • Play various types of scales • Perform and create melodies and accompaniments • Compare the sound of major, minor, and chromatic scales • Use various scales as basis for creating • Reproduce simple rhythmic and melodic patterns and notate from dictation • Recognize the differences between sounds of major, minor, chromatic scales • Identify the sound of a pentatonic scale • Discriminate between major and minor tonalities • Identify thirds and sixths • Recognize cadence	• Focus on 3rds and 6ths in parallel motion • Sing layered harmony • Sing 3 part rounds, canons, ostinatos, descants, partner songs, counter-melodies • Sing 2 part songs • Perform rhythmic and melodic ostinatos • Play chord progressions • Perform in small ensembles • Identify recurring harmony patterns • Improvise on a rock chord pattern and a blues pattern • Recognize the general melodic, harmonic, and rhythmic elements of music studied and performed • Recognize the differences between sounds of major, minor, chromatic scales • Recognize by sight key changes in music studied and performed • Sing in 2,and 3 part harmony • Perform and build major and minor chords • Sing harmony in thirds and sixths • Harmonize melodies using instruments • Create a textured instrumental accompaniment • Create chordal accompaniments • Respond to contrast in tonality (major/minor) and chord changes (I,IV,and V7 and major/minor)

Form	Tone Color	Expressive Qualities
• Recognize AB, ABA, rondo and theme and variation forms • Identify like and unlike phrases • Listen for motives, contrast, unity, and variety • Recognize the general melodic, harmonic, and rhythmic elements of music studied and performed • Demonstrate increased knowledge of musical forms as studied and performed • Move to complex music forms: rondo, theme and variation • Move to show meter and form • Perform and create introductions and coda for familiar songs • Analyze and compare pieces in terms of texture, chordal and linear harmony • Listen to complete sections from longer musical forms: opera, oratorio, symphony • Identify and analyze sectional, theme and variations, and rondo form • Hear program and non-program music • Analyze and compare stylistic elements of several pieces • Analyze themes of opera prelude • Create various textures and accompaniment patterns • Create within theme and various and rondo forms • Move to show form • Sing ostinatos, partner songs, countermelodies, rounds, canons • Layer repeated melodic fragments • Identify like and unlike phrases • Identify themes in listening sections • Recognize specific motives and themes from an opera • Listen for motives, contrast, unity, and variety • Analyze ABA, AABB, arch, rondo and theme and variation forms • Recognize minuet and trio forms • Use motives and themes as basis for creating • Demonstrate increased knowledge of musical forms as studied and performed • Identify repetition/contrast • Understand composite forms: opera, operetta, music theater, piano prelude • Create movement to show form of a composition • Create vocal rondo	• Sing expressively with proper enunciation, phrasing, breath control, pitch • Develop range and intonation • Develop a cappella singing • Sing songs of diverse cultures and styles • Perform dances from diverse cultures • Play a variety of classroom folk and mallet instruments in different styles • Compare differences in vocal tone color • Identify a cappella singing • Listen to vocal blending • Discern the four families of orchestral instruments • Recognize the tone colors of various instrumental ensembles • Recognize orchestral, band, electronic and folk instruments • Compare different tone colors in contemporary compositions • Listen to electronic tone colors • Create new sounds with familiar instruments • Create sound collages of pitched patterns • Recognize by sight, sound, and name band and orchestra instruments • Recognize the general melodic, harmonic, and rhythmic elements of music studied and performed • Recognize the characteristic sounds of individual voice classifications in various vocal and instrumental ensembles • Identify individual singing voices and vocal ensembles: duet, trio, quartet, chorus, soprano, alto, tenor, bass • Recognize individual instruments and ensembles: chamber groups: duet, trio, quartet • Listen to chamber groups: string quartet, woodwind quintet, brass quintet, percussion ensemble • Sing with sensitivity to blend-choral ensemble • Sing independently with accuracy, appropriate tone quality, posture, diction, and breathing • Identify vocal tone color of mixed voices • Recognize and categorize by families orchestral, band, electronic, and folk instruments • Distinguish different voices by their vocal qualities • Distinguish individual and group tone colors in an orchestra • Identify band ensembles: marching, symphonic, dance, military, rock • Identify, classify and name instruments of the orchestra not previously learned • Recognize various vocal timbres: soprano, alto, tenor and	• Make style of singing appropriate to style of music • Sing songs of diverse cultures and styles • Play expressively, reflecting sense of style and control of technique • Listen to and compare music of diverse cultures and styles and from various periods of history • Recognize qualities of individual artists • Recognize style differences determined by rhythm, melody, tone color • Recognize the use and effect of different tempos and dynamics • Compare historical and cultural styles • Create character motives and pantomime to tell a story • Recognize the general melodic, harmonic, and rhythmic elements of music studied and performed • Recognize and identify major contributions of various ethnic groups to music • Sing songs in various languages and or identify language/country of music studied • Recognize and identify music by selected major composers including American composers • Identify important composers and titles of music studied, performed, and or heard • Sing and or play musical selections for various school/community/society events and understand the contribution that music makes to enhance mood/spirit of these events • Perform dances from diverse cultures • Perform and create dramatizations • Perform and create melodies and accompaniments • Hear and recognize music and instruments of diverse cultures and styles • Recognize and respond to a variety of music including those from other cultures with an emphasis on cultures of Minnesota through singing, playing, moving, and listening • Develop a cappella singing • Make style of singing appropriate to style of music • Perceive use of music to heighten drama • Experience how a text is set to music expressively • Compare musical descriptions of different subjects • Hear how a composer uses elements of music to effect mood changes • Distinguish Renaissance, Baroque, Classic, Romantic, Impressionistic, and Contemporary music

	bass	• Recognize style differences determined by rhythm, tone color, harmony, texture, form • Sing independently with accuracy, appropriate tone quality, posture, diction and breathing • Sing expressively in different styles • Perform folk dances • Perform in small ensembles • Listen to contemporary music including experimental, electronic, jazz and Broadway musicals • Recognize relationship of words to form and expressive qualities • Recognize variety of vocal styles: opera, operetta, musical theater, and popular singers • Recognize appropriateness of tempo choices: moderato, accelerando, ritardando, maestoso • Create movement to show contour, duration, rhythm, dynamics, tempo and style
Playing the Recorder		**Understanding the Vocational Possibilities in Music**
• Move fingers together to prepare for leaps • Read ahead • Build right hand strength • Play simple melodies and counter melodies • Play G pentatonic melody • Play melodic patterns with wide leaps • Play a phrase of a round as an ostinato • Accompany 2 chord songs in F: 3 chord songs in C,D,G • Play partner songs • Create introductions and codas • Play contrasting sections • Identify phrases with breath marks • Listen to recorder music played in different styles • Read notes: G,A,B,E,D,C,	• Move fingers together • Cover holes properly • Use proper right hand position • Play 1,2,3 note tonal patterns, ostinatos, and melodies • Feel phrases by breathing • Blend sound with other recorder players • Blend harmony with melody • Add breath marks after phrases • Read new notes: middle C,F sharp • Play 2,3,4 note tonal patterns, ostinatos, and melodies • Play melody phrases with step and repeated tones • Feel phrases while breathing • Blend with other instruments or singers	• Develop an awareness that music is a lifelong pursuit for pleasure, knowledge, and self-expression • Develop a broadened awareness in vocational options in music • View and or listen to music programs via media and or live performances • Identify performers and their respective career settings • Develop an awareness that participation in music enhances the quality of life