



**ST. JOHN'S EPISCOPAL SCHOOL
CURRICULA CONTINUUM
KINDERGARTEN THROUGH EIGHTH GRADE**

KINDERGARTEN

MATHEMATICS

Text: *Progress in Mathematics* (Kindergarten) – Sadlier Oxford 2008

Supplemental Text: *Touch Math* – Janet K. Bullock, Innovative Learning Concepts, Inc.

Sorting/Classifying

Pre-Number Sense and Numeration: sorting, comparing, contrasting, working with patterns, tallying

Number Sense and Numeration: counting by 1's to 100, skip counting by 2's, 5's and 10's, recognition of and writing numbers 0 – 31, ordinals through tenth, estimation

Geometry: circle, triangle, rectangle, square, cylinder, cone, cube, sphere

Fractions: whole, halves, fourths

Money: penny, nickel, dime, quarter

Measurement: comparisons

Time: hour (digital and analog), calendar

Addition to 10

Subtraction from 10 and Less

Problem Solving, Reasoning and Processes: introducing critical thinking and logical reasoning, spatial thinking, choosing the operation, identifying and extending a pattern, guessing and testing, organized list, number sentences

Comparing and Ordering Numbers: more, less

Algebra Readiness: completing patterns, finding missing addends

Statistics and Probability: readiness with pictographs, bar and real graphs, tallying, tables, data interpretation, predictions

LANGUAGE ARTS

Primary Text: *Beginning to Read, Write & Listen* – Macmillan/McGraw-Hill

Supplemental Text: *SRA/Open Court Reading* – SRA/McGraw Hill

Listening: follows simple multiple-step directions to complete a task; listens for the purpose of appreciating written or spoken language in literature

Reading: recognizes upper and lowercase letters and sounds; blends sounds to decode words and reads sentences; utilizes introductory comprehension strategies; high frequency words

Speaking: verbally expresses thoughts in complete sentences

Writing: communicates thoughts and ideas using words and illustrations; writes upper and lowercase letters of the alphabet; copies simple sentences; phonetic writing (beginning in January)

Library Skills: proper book care; library procedures; participation in storytelling and read-alouds; literature appreciation

HISTORY/SOCIAL SCIENCE

Text: *California Vistas – We Learn Together* – Macmillan/McGraw-Hill 2007

Globe and Map Skills: differences and similarities between globe, map, photo and real environments

Working Together: community helpers, school environment

Exploring, Creating and Communicating: current events, self-awareness unit, rainforest

Reaching Out to Times Past: famous historical figures, comparison and contrast of present times to those of long ago, ethnic and cultural diversity

Special Events: Black History Week, holidays

SCIENCE *meets once per week*

Modular Kits: *FOSS* (Full Option Science System) – Britannica Science Systems

Physical Science: fabric (properties and interactions with other materials)

Earth Science: wood and paper (properties and products made from wood and paper)

Life Science: plants (life cycle), animal life (fish, snails, worms, isopods), rainforest (selected animals, structure)

New topics listed at each grade level

SPANISH *meets once per week*

Oral Language Development: greetings, farewell, responses to simple commands, single word responses

Vocabulary Development: numbers 1 – 20, colors, shapes, farm animals, parts of body, family members, feelings

Cultural Awareness: holidays in Spanish-speaking countries, Hispanic rhymes and songs

RELIGION *meets once per week*

Worship: two chapel services a week, classroom prayer, weekly Bible verse

Study: weekly Bible verse memorization

Curriculum: introduction to prayer and the Bible, Genesis and Exodus (participation in weekly religion classes with Chaplain)

MUSIC *meets twice weekly*

Text: *Music Connection* – Silver, Burdett & Ginn

Melody: pattern, phrases, direction, register

Rhythm: steady beat, meter, duration, pattern, tempo

Form: verses

Tone Color: voices, instruments (singing, playing)

Expressive Qualities: dynamics, style

Music Appreciation: stories about composers, examples of their music

VISUAL ARTS *meets one per week*

Artistic Perception: analysis of art elements and principles

Creative Expression: simple patterns found in the environment and works of art; primary, warm and cool colors; geometric shapes; art materials (Model Magic, paint, crayons)

Techniques and Skills: use of lines, shapes/forms and colors to make patterns; beginning skills in the use of tools and processes (scissors, glue, paper); fine motor skills; listening and following directions

Historical and Cultural Content: functional and non-utilitarian art as seen in daily life; identification and description of works of art that show people doing things together

Aesthetic Valuing: discussion of individual works of art using appropriate art vocabulary

(e.g.: color, shape/form, texture); how and why specific works of art were made

Connections, Relationships, Applications: geometric shapes/forms (e.g.: photographs, paintings, murals, ceramics, sculptures and symbols found at home, in school and in the community); discussion of various works of art

Art Masters: appreciation for the artistic works and styles of selected artists

INFORMATION TECHNOLOGY *meets once per week*

Computer Care and Operation: introduction to hardware, software and input/output devices

Operating System: network access with a password, mouse navigation, introduction to opening and closing applications, developmentally appropriate education software, introduction to folder to folder navigation and printing (Windows 7)

Applied Technology: problem solving utilizing the programs listed below

Program Operation – Application Software: introduction to programs listed below:

- **Keyboarding:** introduction to the keyboard; letters, numbers, enter, spacebar, shift and backspace keys
- **Word Processing:** introduction to entering text and toolbars (Scholastic Keys – Max Write, Kid Pix)
- **Desktop Publishing:** introduction to basic elements of desktop publishing (Microsoft Office Publisher)
- **Spreadsheets:** introduction to spreadsheet basics (Scholastic Keys – Max Count)
- **Multimedia:** introduction to slide shows and toolbars (Kid Pix)
- **Telecommunications:** introduction to internet safety, manners, advertising, research and technology (iSafe Curriculum)

Discovery Education: using online digital media to enhance classroom learning

PHYSICAL EDUCATION *meets twice weekly*

Loco-motor Skills: balance on one foot for 10 seconds, hop, skip, gallop

Movement: (beginning skill activities) ribbons, parachute, tumbling, dance, aerobics

Fitness: calisthenics, jog/walk for 15 minutes

Manipulative Skills: ball, jump rope, hoop, bean bag, rhythm sticks, scoops, juggling

Organized Games: soccer, kickball hopscotch

Social Skills: self-confidence and positive self-image, cooperation and fair play, character education

LIFE SKILLS

Character Development: “Virtue of the Week”

FIRST GRADE

MATHEMATICS

Text: *Progress in Mathematics* (First Grade) – Sadlier Oxford 2008

Pre-Number Sense and Numeration: comparisons according to lengths, pattern extensions, position analysis

Number Sense and Numeration: number recognition and counting to 999, counting on and back, skip count, odd and even, ordinals through thirty-first, recognition of ones, tens, hundreds, using > and < symbols, ordering numbers, expanded form, place value (ones, tens, hundreds)

Geometry: plane figures, solid figures, pyramid, rectangular prism, open/closed figures, congruence, symmetry, positions on a grid, slides, flips, turns

Fractions: $\frac{1}{3}$, $\frac{1}{4}$, identifying equal and unequal parts of a whole

Money: dollar, adding and subtracting money, equal amounts, count mixed coins through 100 cents

Measurement: length, weight, mass, perimeter, capacity, temperature in Fahrenheit, standard/non-standard, metric

Time: half-hour

Addition: facts to 20, 3-addend addition sentences, 2-place addition with regrouping, 2- and 3-place addition (no regrouping), doubles, fact families, math facts tests

Subtraction: facts to 20, 2-place subtraction with regrouping, 2- and 3-place subtraction (no regrouping), fact families, math facts test

Multiplication: readiness (equal groups)

Problem Solving, Reasoning and Processes: event tally, outcome, prediction, translation of story problems to symbolic representations

Comparing and Ordering Numbers: more than, less than, ordinal numbers through thirty-first, before, after and between

Algebra: readiness (finding: missing minuends and subtrahends), associative and commutative rules, rule for 0 in subtraction, order of operations

Statistics and Probability: experiments in probability, horizontal and vertical graphs, Venn diagrams, range, mode, median

LANGUAGE ARTS

Text: *SRA/Open Court Reading* – SRA/McGraw-Hill, *Write Source* – Houghton Mifflin, *Handwriting* – Zaner Bloser

Core Literature: *Open Court Reading Core Books and Anthologies*, supplemental leveled readers

Listening: processes, understands and responds with greater effectiveness to information received through the auditory process

Reading: applies decoding skills to develop fluency in reading; begins to read independently for comprehension; develops a sight vocabulary; recognizes initial parts of speech (noun, verb, adjective)

Speaking: verbally expresses ideas and facts using age-appropriate language

Writing: writes sentences with a central theme; uses age-appropriate conventions and mechanics of language; manuscript penmanship; formal spelling

Library Skills: parts of a book; compare and contrast fiction and nonfiction; book selection skills

HISTORY/SOCIAL SCIENCE

Text: *California Vistas – Family and Friends* – MacMillan/McGraw-Hill

Map Skills: continents and oceans, location, direction

School Environment: decision-making process, group dynamics, working cooperatively, respect, responsibility

Town and Country: economic and social links (characteristics of both), life changes in generations, food production, homes

City and Suburb: elements, growth and change, types of communities, environmental awareness, manufactured goods

Our Country, Our World: U.S., Canada, Mexico (interdependence, locations, geography, lifestyles), study of the seven continents (Globe Trekker Day)

SCIENCE

meets once per week

Modular Kits: *FOSS* (Full Option Science System) – Britannica Science Systems

Textbooks: *Weather Watching, States of Matter, Classroom Plants, Sink or Float* – Delta Science Readers, Delta Education

Physical Science: matter (solids and liquids)

Earth Science: air and weather

Life Science: plants and animals, plant life structure, compare basic needs and habitats of plants and animals

SPANISH

meets twice weekly

Oral Language Development: simple conversation, recite poems, sing in Spanish

Vocabulary Development: food, weather, shapes, sizes, fruit, pets, class objects, polite words

Cultural Awareness: developing an appreciation for cultural differences

RELIGION *meets once per week*

Worship: two chapel services a week, a monthly all-school chapel or Holy Eucharist service, and classroom prayer

Study: Weekly Bible verse memorization

Curriculum: introduction to the books of the Bible, the order and structure of the Bible, Old Testament heroes, prophets and other stories, the tabernacle, Moses, journey of God's people, introduction to the Psalms

MUSIC *meets once per week*

Text: *Music Connection* – Silver, Burdett & Ginn

Melody: register, direction, patterns, phrases, steps, leaps, repeats

Rhythm: beat, patterns, duration, meter

Harmony: minor and major chords in accompaniments

Form: verse and refrain, sections

Tempo: faster, slower

Tone Color: melody bells, voices, Orff instruments

Expressive Qualities: dynamic assessment

Music Appreciation: stories about composers, examples of their music

VISUAL ARTS *meets one per week*

Artistic Perception: repeated patterns in nature, in the environment and in works of art; distinction/differentiation between various media (e.g.: clay, paints, drawing materials)

Art Elements: elements of art in the environment, works of art and in nature

Creative Expression: patterns, unity, contrast

Skills, Processes, Materials and Tools: mixtures of secondary colors from primary colors and description of the process; beginning skills in the manipulation and use of sculptural materials (clay and paper, to create form and texture); painting or drawing a still life; artwork based on observations of actual objects and everyday scenes

Historical and Cultural Context: design of everyday objects from various time periods and cultures; various subjects in art (e.g.: landscapes, seascapes, portraits, still life)

Aesthetic Valuing: derivation of meaning, discussion of art created in the classroom, focusing on selected art elements (e.g.: shape/form, texture, line, color); rationale for creating art

Connections, Relationships, Applications: picture sort into categories by art elements emphasized in art work (e.g.: color, line, shape/form, texture); objects for home and school designed by artists (e.g.: furniture, appliances, cars)

Art Masters

INFORMATION TECHNOLOGY *meets once per week*

Computer Care and Operation: recognition of computer hardware, software and input/output devices and understanding of basic care for hardware

Operating System: introduction to saving documents (Windows 7)

Applied Technology: extension of problem solving strategies

Program Operation – Application Software: enhancement of skills within programs listed below:

- **Keyboarding:** introduction to Home Row
- **Word Processing:** manipulation of text, introduction to menu bar (Scholastic Keys – Max Write, Kid Pix)
- **Desktop Publishing:** (Microsoft Office Publisher)
- **Spreadsheets:** data entry and navigation through spreadsheets (Scholastic Keys – Max Count)
- **Multimedia:** introduction to slide shows and toolbars (Scholastic Keys – Max Show, Kid Pix)
- **Telecommunications:** introduction to communication on the web

Discovery Education

PHYSICAL EDUCATION *meets twice weekly*

Loco-motor Skills: balance on one foot for 20 seconds, hop, skip, gallop, climbing wall

Movement: (intermediate skill activities) ribbons, parachute, tumbling, dance, aerobics

Fitness: calisthenics (increasing endurance), jog/run for 20 minutes

Manipulative Skills: (intermediate skill activities) ball, jump rope, hoop, bean bags, rhythm sticks, scoops, climbing wall, juggling

Organized Games: extended participation in soccer, kickball and hopscotch

Social Skills: continuation of goal setting and good sportsmanship, participation with sincere effort, character education

LIFE SKILLS

Character Development: “Virtue of the Week”

SECOND GRADE

MATHEMATICS

Text: *Progress in Mathematics* (Second Grade) – Sadlier Oxford 2008

Number Sense and Numeration: recognition and counting to 9,999; counting on by 100 and 1,000; skip counting by 2's, 3's and 4's; place value through thousands; recognizing Roman numerals; rounding to nearest 10

Geometry: pentagon, hexagon, line segments, lines of symmetry, identification of faces, corners, edges, congruent figures

Fractions: through twelfths, estimating fractions

Decimals: money

Money: half dollar, dollar, comparing and estimating amounts, calculation of dollars and cents, making change, rounding to nearest dollar

Measurement: perimeter, area in square units, estimation and comparison using 12" ruler, centimeters, decimeters, meters, liquid measurement (cups, pints, quarts and gallons), ounce, pound, gram, kilogram, liter, volume, Celsius temperatures

Time: 5 minute, quarter hour, elapsed time

Addition: four 1-digit numbers, three 2-digit numbers, 3- and 4-digit numbers, regrouping twice

Subtraction: 3- and 4-digit numbers (no regrouping), regrouping twice

Multiplication: through 5 with timed math tests

Division: readiness (separating: equal groups of 2, 3, 4 and 5 with leftovers)

Problem Solving, Reasoning and Processes: choice of operations, Heuristic Model (read, draw, think, write, check), analogies, 2-step word problems

Probability: collecting and organizing data and making predictions

Place Value: thousands, rounding numbers to nearest 10, writing numerals in expanded form

Algebra: readiness (finding: missing number in division, solving for inequalities), commutative and identity properties in multiplication

Statistics and Probability: graphing key, circle graph, line plots

LANGUAGE ARTS

Text: *Reading* – Houghton Mifflin 2004, *Write Source* – Houghton Mifflin, *Handwriting Grade 2* – Zaner Bloser

Core Literature: *Houghton Mifflin Anthologies, At Level and Above Level Leveled Readers*, leveled novels

Listening: comprehends information from a variety of sources

Reading: refines phonetic skills; comprehends and summarizes information; forms opinions; uses decoding skills to synthesize information; identifies plot and setting; applies strategies for vocabulary acquisition; utilizes dictionary skills; recognizes parts of speech

Speaking: summarizes stories and ideas in correct sequence; differentiates between fact and opinion

Writing: *Write Source*, uses the writing process in various modes of discourse (pre-writing, writing a draft, revising, editing, publishing); writes cohesively in paragraph and story form; *Handwriting Grade 2* - manuscript penmanship; utilizes age-appropriate spelling strategies; grammar and sentence structure

Library Skills: introduction to the Dewey Decimal System; introduction to the dictionary and electronic tools to access information; research strategies using "The Super 3™"

HISTORY/SOCIAL SCIENCE

Text: *California Vistas – People and Places* – Macmillan/McGraw-Hill 2007

Map Skills: symbols, review of directions, daily geography

Our Needs and Wants: interdependence, inter-relatedness, the community, jobs, production and consumption

Families Long Ago: life on the prairie (Pioneer Day, related field study)

How Government Works: national identity, symbols, Pledge of Allegiance

Many Special People: diversity, respect for others, famous leaders

Special Events: Pioneer Day

SCIENCE *meets once per week*

Modular Kits: *FOSS* (Full Option Science System) – Britannica Science Systems

Physical Science: balance (criteria, center of gravity), motion (spin, roll), sound

Earth Science: planets (related field study), earth materials (pebbles, sand, silt)

Life Science: insects (life cycles of butterflies, mealworms, milkweed bugs), plants (germination, growth, development), flowers and fruits as related to plant reproduction, silkworms

SPANISH *meets twice weekly*

Oral Language Development: beginning dialogue, conjugation of “-ar” verbs and the verbs tener and querer in the present tense for first, second and third person

Vocabulary Development: classroom objects and their functions, location and position, sizes and shapes, calendars, clothing, family members, family pets, places, toys, transportation, numbers 1 – 30

Cultural Awareness: folktales

RELIGION *meets once per week*

Worship: two chapel services a week, a monthly all-school chapel or Holy Eucharist service, and classroom prayer

Study: weekly Bible verse memorization and quiz

Curriculum: introduction to the books of the Bible, order and structure of the Bible; introduction to the Gospels; study of the birth, death and resurrection of Jesus Christ during Advent and Lent; the twelve disciples; parables and miracles of Christ; the Lord’s Prayer

MUSIC *meets once per week*

Text: *Music Connection* – Silver, Burdett & Ginn

Melody: patterns, phrases, steps, leaps, repeats, direction, register

Rhythm: steady beat, meter, duration, tempo, patterns

Harmony: chords (tonic, changing, major, minor)

Form: AB and ABA form

Dynamics: crescendo, decrescendo

Tone Color: voices, instrument families

Expressive Qualities: musical style differentiation

Reading Music: basic musical terms and tones

Music Appreciation: stories about composers, examples of their music

VISUAL ARTS *meets one per week*

Artistic Perception: understanding of the elements of art and application to works of art; principles of balance and repetition; differences in mood created by warm and cool colors

Creative Expression: beginning skill in the use of basic tools and art processes (e.g.: printing, crayon rubbings, collage, and stencils)

Historical and Cultural Context: vocabulary of art to describe art objects from various cultures and time periods; art used in events and celebrations by various cultures, past and present, including the use in their own lives

Aesthetic Valuing: vocabulary of art related to own works of art

Connections, Relationships, and Applications: placement, overlapping, and size differences to show opposites (e.g.: up/down, in/out, over/under, and together/apart)

Art Masters

INFORMATION TECHNOLOGY *meets once per week*

Computer Care and Operation: understand basic care for software and input/output devices

Operating System: open and close applications, save documents with assistance, shut down and restart computer (Windows 7)

Program Operation – Application Software:

- **Keyboarding:** introduction to keyboarding software, locate letters and numbers on the keyboard with two hands
- **Word Processing:** drawing tools, scroll bar, introduction to inserting graphics, creating and illustrating a story (Scholastic Keys – Max Write, Kid Pix)
- **Desktop Publishing:** manipulation/editing of elements of desktop publishing (Microsoft Office Publisher)
- **Spreadsheets:** editing a spreadsheet (Scholastic Keys – Max Count)
- **Multimedia:** creation of multi-media projects with slides and text (Scholastic Keys – Max Show, Kid Pix), introduction of scanner and digital camera use
- **Telecommunications:** access a website

Discovery Education

PHYSICAL EDUCATION *meets twice weekly*

Loco-motor Skills: balance on one foot for 20 seconds, hop, skip, gallop, climbing wall

Movement: (intermediate skill activities) ribbons, parachute, tumbling, dance, aerobics

Fitness: calisthenics (increasing endurance), jog/run for 20 minutes

Manipulative Skills: (intermediate skill activities) ball, jump rope, hoop, bean bags, rhythm sticks, scoops, climbing wall, juggling

Organized Games: extended participation in soccer, kickball and hopscotch

Social Skills: continuation of goal setting and good sportsmanship, participation with sincere effort, character education

LIFE SKILLS

Character Development: "Virtue of the Week"

THIRD GRADE

MATHEMATICS

Text: *Progress in Mathematics* (Third Grade) – Sadlier Oxford

Number Sense and Numeration: skip counting in multiplication and division, divisible numbers, common factors, place value through hundred thousands, rounding to thousand, recognition of place value to a million

Geometry: octagon, quadrilateral, right triangle, right angle, estimation, area, solid figures, points, lines, segments, angles, rays, intersecting and parallel lines

Fractions: comparing fractions and decimals, mixed numbers, equivalent fractions, rounding and estimation of $\frac{1}{4}$ and $\frac{1}{2}$, simplest form, ordering, addition and subtraction of fractions

Decimals: fractions to decimals to 100th place, expanded form, order and comparison, relationship to measurement, addition and subtraction through hundredths, and with mixed decimals

Money: count bills and coins up to \$10, multiplying and dividing with money, making change, rounding to nearest 10¢ and \$1.00, unit cost

Measurement: to $\frac{1}{4}$ inch, yard, mile, meter, kilometer, decimeter, ounce, kilogram, gram, milliliter, liter, volume, Celsius and Fahrenheit temperature

Time: to 1 minute, estimate and schedule time (minute, hour, day, week, and month), add and subtract units, a.m. and p.m., estimation to nearest half hour, fractional parts of an hour

Addition: 4-digit with regrouping, rounded sums

Subtraction: 4-digit with regrouping

Multiplication: fact families in multiplication, facts through 12, up through 4-digit multiplicands with regrouping, missing factor

Division: fact families, facts through 12, through 3-digit dividends and 2-digit quotients, factors, divisibility, remainder, missing dividend and divisor, calculating unit costs

Problem Solving, Reasoning and Processes: remainder interpretation, missing information determination, multi-step problem solving, pattern use, working backwards to find solution

Algebra: missing multiplicands and products in associative groups, order of operations, missing factors, numerators, denominators

Statistics and Probability: circle graph, outcome using tree diagram, probability record, bar and pictographs, collecting and interpreting data

LANGUAGE ARTS

Text: *Houghton Mifflin Reading* – Houghton Mifflin, *Write Source* – Houghton Mifflin, *Handwriting Gr. 3* – Zaner Bloser

Core Literature: *Houghton Mifflin Reading Anthologies*, leveled novels

Listening: summarizes and makes judgments, draws conclusions and predicts outcomes using supporting details

Reading: decodes complex words; compares story elements (genres, character, event summary, plot, theme, point of view); uses reference resources to gather information (technology, encyclopedia, atlas, and almanac); recognizes parts of speech in context

Speaking: uses a variety of responses to literature for appreciation, information and enjoyment (book reports, puppet shows, plays)

Writing: *Write Source Writing Program*, uses the writing process in research reports, correspondence, short stories and publishing (Authors' Tea); uses organizational skills (outlines, takes notes, summarizes); *Handwriting Gr. 3* - writes using cursive letter formation; uses conventions and mechanics of language (capitalization, punctuation, spelling, grammar)

Library Skills: introduction to literary genres; reference resources, use of encyclopedias and thesauri

HISTORY/SOCIAL SCIENCE

Text: *Communities – Adventures in Time and Place* – McGraw Hill

Map Skills: physical maps, landform maps, grid maps, atlas, intermediate directions, scale, hemisphere, landforms (oceans and rivers, prairies, plains, plateaus), transportation maps

Communities: Mesa Verde (Native Americans), Jamestown, San Francisco, Washington D.C., Philadelphia, transportation, businesses, farming, material resources

Citizenship: working together, linking past to present, recognition of perspectives, statehood, community governments, voting, immigration, safety, current events, helping others, government assistance

Global Connections: Mexico, Japan, Senegal, Peru, English Channel tunnel

Legacy: traditions, Indian powwows, U.S. flag, first U.S. president, Oregon Trail

Field Studies: appropriate to areas of concentration

SCIENCE *meets twice weekly*

Text: *Grade 3 Science Resources, CA Edition* – Delta Education

Modular Kits: *FOSS* (Full Option Science System) – Britannica Science Systems, *Insights* – Education Development Center

Scientific Reasoning & Technology: metric measurement, scientific method and processes of investigation

Physical Science: matter and energy (multiple forms that can change), light (source and direction of travel), simple machines (what are machines and what do they do)

Life Science: structures of life (observation of similarities and differences; properties, structures, and function of selected plant and animal life)

SPANISH *meets twice weekly*

Text: *System A Kit* – Wright Group/McGraw Hill

Oral Language Development: expression of feelings, physical states of being

Vocabulary Development: domestic animals, days of the week, months of the year, numbers 1 – 50, body parts, weather, rooms in school, school personnel, traffic safety, summer vocabulary

Written Language Development: punctuation, accent marks, correct spelling

Cultural Awareness: folktales, music

RELIGION *meets once per week*

Worship: two chapel services a week, a monthly all-school chapel or Holy Eucharist service, and classroom prayer

Study: weekly Bible verse memorization and creative interpretation of the verse

Curriculum: lessons of the Old Testament, choices made in response to God's leading and how those choices impact lives with either success or tragedy

MUSIC *meets once per week*

Text: *Music Connection* – Silver, Burdett & Ginn

Melody: scales (ascending-descending), different keys, intervals

Rhythm: pulse, accent, patterns, units of 2, 3, 4 time signature

Harmony: texture (counter-melodies and descants), tonic chords (IV and V), major and minor modes

Form: cumulative song, recorder performance

Tone Color: extended vocal and instrumental

Expressive Qualities: changes in dynamics, terms

Reading: basic music terminology, notation

Instrumental Instruction: recorder performance

Music Appreciation: stories about composers, examples of their music

VISUAL ARTS *meets one per week*

Artistic Perception: foreground, middle ground, and background used to create the illusion of space

Art Elements: elements of art in works of art, emphasizing line, color, shape/form, texture, space and value

Art Principles: rhythm and movement; artists' use of tints and shades in painting

Creative Expression: mixture and application of tempera paints to create tints, shades, and neutral colors; art based on the observation of objects and scenes in daily life (emphasizing value changes)

Historical and Cultural Context: artists from the community, county or state and discussion of local or regional art traditions; representational, abstract, and nonrepresentational works of art

Aesthetic Valuing: comparison and contrast of selected works of art; description of artwork using appropriate vocabulary of art

Connections, Relationships, and Applications: description of how artists (e.g. architects, book illustrators, muralists, industrial designers) have affected peoples' lives

INFORMATION TECHNOLOGY *meets once per week*

Computer Care and Operation: understand the use and connection between hardware, software and input/output devices

Operating System: independent folder to folder navigation, save and print documents (Windows 7)

Applied Technology: working toward more independent problem solving utilizing programs listed

Program Operation – Application Software:

- **Keyboarding:** beginning typing for accuracy (goal: 5-10 wpm)
- **Word Processing:** introduction to basic documentation editing (Scholastic Keys – Max Write, Kid Pix)
- **Desktop Publishing:** creation of documents utilizing basic elements of desktop publishing (Microsoft Office Publisher)
- **Spreadsheets:** introduction to basic formulas and functions of a spreadsheet (Scholastic Keys – Max Count)

- **Multimedia:** creation of multimedia projects using keyboarding, drawing tools, transitions and sounds (Scholastic Keys – Max Show, Kid Pix)
- **Telecommunications:** browser use, topic research

Discovery Education

PHYSICAL EDUCATION *meets twice weekly*

Movement: effective and efficient movement through organized games, fitness testing, walking and running

Fitness: extension of calisthenics, introduction to National Fitness Test

Manipulative Skills: throw and catch, kick, dribble, pass, underhand volleyball serve, bump volleyball, volleying

Organized Games: extended participation in soccer, kickball and hopscotch

Social Skills: goals for physical fitness, positive participation, good sportsmanship, sincere effort, character education

LIFE SKILLS

Character Development: “Virtue of the Week”

FOURTH GRADE

MATHEMATICS

Text: *Progress in Mathematics* (Fourth Grade) – Sadlier Oxford

Number Sense and Numeration: divisibility, common factors and prime factors, greatest common factor, common and least common multiple, composite numbers, Roman numerals, identification of numbers through hundred millions, rounding to nearest 100,000 and millions

Geometry: equilateral, isosceles and scalene triangles, half turn symmetry, rhombus and trapezoid, formulas for perimeter, area, volume; center, radius and diameter (circle), vertex, angle measurements, coordinate plane, acute and obtuse angles

Fractions and Mixed Numbers: improper fraction as mixed number, least common denominator, probability as fraction, equivalent fractions, ordering fractions, mixed numbers, adding and subtracting like and unlike fractions, fractions on circle graph, fractions in measurement

Decimals: hundredths place, rounding to nearest whole number and tenths, missing addends, division with dollars and cents, equivalent, ordering, adding and subtracting mixed numbers as decimals through hundredths; fractions to decimals in 100th place

Money: math operations with money (multiplication and division), unit place, rounding to \$100, making change, better buy determination

Measurement: metric and customary units to measure length, mass, and capacity; renaming and comparing customary and metric units; estimating; reading thermometers; computing with customary units of length

Time: telling time, elapsed time

Addition: 5-digits with regrouping

Subtraction: 5-digits with regrouping

Multiplication: estimating products, multiplication of money, multiplying three numbers

Division: 2-digit divisors with 1- and 2-digit quotients, estimating quotients, calculating averages, checking with multiplication, through 3-digit dividends, remainders, divisibility, factors, missing dividend/divisor

Problem Solving, Reasoning and Processes

Algebra

Statistics and Probability

LANGUAGE ARTS

Text: *Houghton Mifflin Reading* – Houghton Mifflin, *Wordly Wise 3000C* – Educator’s Publishing Service, *Write Source* – Houghton Mifflin

Core Literature: *Houghton Mifflin Reading Anthologies*, leveled novels

Listening: distinguishes logical from illogical, information from persuasion; demonstrates critical listening skills (takes notes, questions speakers, evaluates); identifies literary techniques (personification, foreshadowing)

Reading: summarizing; questioning; comprehension skills; analyzes story elements (setting, characters, point of view, plot, theme); comprehends details, main idea, sequence, and cause and effect for literal meaning; predicts outcomes; senses emotions and draws conclusions to infer meaning; identifies imagery and figurative language (alliteration, simile, metaphor); recognizes fact and opinion; compares and contrasts; uses additional reference materials to gather information (thesaurus, secondary sources)

Speaking: provides supporting details for opinions and defends rationale; uses communication skills in a variety of ways (reporting, interpreting, dramatizing and evaluating)

Writing: persuasive, descriptive, narrative, poetry and expository writing; writes for a variety of audiences and purposes in content areas; refines cursive handwriting; further develops paragraph skills (topic sentence, supporting sentences); further develops research report-writing skills (mission report with table of contents, works cited); further develops mechanics, usage and grammar skills

Library Skills: Dewey Decimal System’s ten classes; introduction to concept of plagiarism; introduction to “The Big SixTM” approach to information problem-solving; readers’ advisory

HISTORY/SOCIAL SCIENCE

Text: *California* – Houghton Mifflin

Map Skills: geography of California, borders, landforms (coast, mountains, central valley, and desert), resources in regions, daily geography, directional coordinates

First Californians: Native American review

Early Explorers: California exploration, European settlers, presidios, Father Serra, missions, pueblos (mission research report, mission model building experience)

Missions to Ranchos: traders, ranchos, pueblos, presidios

Newcomers to California: travel to California, pioneer review, independence from Mexico, gold rush (related journal and simulation), statehood

Statehood: transcontinental railroad, state government

Field Studies: appropriate to areas of concentration

Special Events: Mission Building Day

SCIENCE *meets twice weekly*

Text: *Grade 4 Science Resources, CA Edition* – Delta Education

Modular Kits: *FOSS* (Full Option Science System) – Britannica Science Systems

Scientific Reasoning & Technology: reinforcement of metric measurement and scientific method

Physical Science: magnetism and electricity

Earth Science: solid earth (rocks, minerals and forms),

Life Science: environments (living and non-living elements of aquatic and terrestrial environments – related field study), classification of animals (squid dissection, owl pellet dissection)

SPANISH *meets twice weekly*

Text: *System B Kit* – Wright Group/McGraw-Hill

Oral Language Development: descriptions using adjectives, oral responses in complete sentences, identification of people and objects in their environments based on oral descriptions

Vocabulary Development: expanded review vocabulary, numbers 1-100, foods and meals, table settings, parts of a house, rooms and objects in a house, school subjects, seasons, sports, adjectives, prepositions

Written Language: comprehension of short written dialogue, written responses using descriptive sentences

Cultural Awareness: comparisons of customs with Spanish-speaking countries

RELIGION *meets once per week*

Worship: two chapel services a week, a monthly all-school chapel or Holy Eucharist service, and classroom prayer

Study: weekly Bible verse memorization

Curriculum: The Ten Commandments

MUSIC *meets once per week*

Text: *Music Connection* – Silver, Burdett & Ginn

Melody: tonal center; major, minor and pentatonic scales

Rhythm: pulse, duration, tempo

Harmony: chords, rounds, canons

Form: sonatas, phrases

Tone Color: voices, instruments

Expressive Qualities: dynamics, style

Reading: notation

Choir: optional participation

Music Appreciation: stories about composers, examples of their music

VISUAL ARTS *meets one per week*

Artistic Perception: negative shapes/forms and positive shapes/forms in artwork

Art Elements: space (positive/negative), pairs of complementary colors

Art Principles: balance

Creative Expression: shading (value) to transform a 2-D shape into a 3-D form (e.g. circle to sphere); fibers/other materials to create a simple weaving; interaction between positive and negative space in artwork; contrast in artwork

Historical and Cultural Context: content of artwork (past/present) from different cultures contributing to California's history and art heritage

Aesthetic Valuing: comparisons between cultures (definition and value of art)

Connections, Relationships, and Applications: research twentieth-century artists who have incorporated symmetry in their work; create artwork using symmetry

INFORMATION TECHNOLOGY *meets once per week*

Computer Care and Operation

Operating System: toggle between two open documents and recognize file extensions (Windows 7)

Applied Technology

Program Operation – Application Software:

- **Keyboarding:** correct finger placement and posture type for accuracy and speed (goal: 10-15 wpm)
- **Word Processing:** introduction to basic text and page formatting (Microsoft Office Word, Kid Pix)
- **Desktop Publishing:** (Microsoft Office Publisher)
- **Spreadsheets:** introduction to basic spreadsheet formatting (Microsoft Office Excel)
- **Multimedia:** creation of multimedia projects (Power Point, Kid Pix)
- **Telecommunications:** introduction to correspondence on the internet

Discovery Education**PHYSICAL EDUCATION***meets twice weekly***Movement:** effective and efficient movement through organized games, fitness testing, walking and running**Fitness:** extension of calisthenics; participation in National Fitness Test**Manipulative Skills:** extensions of throw and catch, kick, dribble, pass, underhand volleyball serve, bump volleyball, volleying**Organized Games:** flag football, volleyball, handball, basketball, soccer, lacrosse, track and field, kickball**Social Development:** continuation of goal setting for health fitness; further development of good sportsmanship, fair play and character development**LIFE SKILLS****Character Development:** “Virtue of the Week”

FIFTH GRADE

MATHEMATICS

Text: *Progress in Mathematics* (Fifth Grade) – Sadlier Oxford 2008

Number Sense and Numeration: use of models in subtraction of integers, order of integers on number line, addition of integers with like and unlike signs, powers of prime factors as exponents, place value through billions, rounding factors by estimation

Geometry: diagonals, chords on a circle, identification of bases, measurement of quadrilaterals and triangles, lines of symmetry, identification of angles, construction of angles, congruent line segments, tessellations, straight angles, regular and irregular polygons, heptagon, nonagon, transformations, pi

Fractions and Mixed Numbers: ratios as fractions, fractions written in higher terms, reciprocals, percent as fraction and fraction as percent, rounding fractions and mixed numbers, multiplication using cancellation, multiplication of fractions and mixed numbers, renaming sums and differences of two fractions with like and unlike denominators, expression of mixed number as improper fraction, division of whole numbers and fractions by fractions, division of mixed numbers by mixed numbers

Decimals: dividing and multiplying decimals, decimals as percents, adding and subtracting decimals, decimals as fractions

Money: discounts, percent of a dollar, adding and subtracting money, multiplying and dividing money

Measurement: surface area of parallelograms, relating metric units, circumference, pi, perimeter, millimeter, deciliter, centiliter, kiloliter, decigram, centigram, milligram, metric ton, relating standard units, gram, liter, volume

Time: time zones

Addition: 6-digit numbers with regrouping

Subtraction: 6-digits with regrouping, subtraction with zeros

Multiplication: 3 digits x 4 digits, 4 digits x 5 digits, multipliers/multiplicands of 100 and 1,000, factors, products, properties

Division: dividends through 100,000, divisors as multiples of 100 and 1,000, larger quotients, divisibility rules

Problem Solving, Reasoning and Processes: combining strategies, finding more than one solution, use formulas, write equations, guess and test, more than one step, making a table, making an organized list, working backward, using simple numbers, using a model, drawing a picture

Number Theory: prime and composite numbers, powers and exponents, standard and expanded form, addition, subtraction, and multiplication properties (one, zero, associative, commutative, and distributive)

Graphs: double bar, double line graphs, coordinate graphs in four quadrants, graphing percentages, pictograph, circle graph

Algebra: rational numbers, algebraic expressions, equations, integers, function tables

Statistics and Probability: combinations, permutations, tree diagram, histograms

Ratio, Proportion, and Percent: read and write ratios, equivalent ratios, rate, writing proportions, solve proportions with missing terms, scale drawings and maps, percent related to ratios, finding the percent of a number

LANGUAGE ARTS

Text: *Houghton Mifflin Reading* – Houghton Mifflin, *Wordly Wise 3000D* – Educator’s Publishing Service, *Write Source* – Great Source Education Group, *Megawords* – Educator’s Publishing Service

Core Literature: leveled novels

Listening: novels on CD

Reading: identifies author’s tone, identifies and evaluates figurative language (similes, metaphors, personification), highlights use of sensory language, makes predictions, monitors and clarifies author’s purpose and main ideas, makes inferences, identifies story structure, plot and theme, questions and evaluates, distinguishes between different types of conflict, identifies point of view, identifies cause and effect relationships, summarizes and paraphrases information, identifies propaganda, sequences information found in the text, draws meaning from text, distinguishes between fact and opinion, identifies author’s viewpoint, makes generalizations, makes judgments

Grammar: punctuation, sentences, nouns, verbs, adjectives, pronouns, adverbs, prepositions, quotes and dialogue, conjunctions, interjections

Speaking: prepares a speech, organizes informative speeches, gives speeches

Writing: *Write Source*, uses the writing process, understands the traits of writing, peer editing and revision, the parts of a paragraph, writes strong topic sentences, organizes paragraphs, writes descriptive, narrative and persuasive essays, expository writing, compares and contrasts paragraphs, responds to literature, responds to quotes, writes poems, writes summary paragraphs, takes notes

Spelling: consonant suffixes and plurals, vowel suffixes and spelling rules, three sounds of –ed, spelling patterns – vowel suffixes, common prefixes

Library Skills: web searching strategies; search engines, databases and subject directories; works cited, intellectual property, fact/opinion

HISTORY/SOCIAL SCIENCE

Text: *The United States* – Scott Foresman, *Time for Kids* magazine

Early Life: early American cultures, Native Americans explorers

American Colonies: (Pilgrim Simulation), early struggles, life in the colonies, French and Indian War, (Colonial Convention – research projects and oral presentations)

Struggle for Independence: American Revolution

Life in a Growing Nation: establishing a new government, early presidents, War of 1812, Industrial Revolution, westward expansion

Nation in Conflict: Civil War

The United States and the World: World War I, World War II

States and Capitals: locations and names, research skills (state report)

Current Events

Special Events

Field Studies: appropriate to areas of concentration

SCIENCE *meets twice weekly*

Text: *Grade 5 Science Resources, CA Edition* – Delta Education

Modular Kits: *FOSS* (Full Option Science System) – Britannica Science Systems

Scientific Reasoning & Technology: scientific method and science safety

Physical Science: mixtures and solutions (reactions, elements, atoms, chemical formulas)

Earth Science: water planet (planets, variables, weather and water)

Life Science: living systems (circulatory system, vascular plants, sugar and cells)

SPANISH *meets twice weekly*

Text: *System C Kit* – Wright Group/McGraw-Hill

Oral Language Development: multiple descriptive sentences, expressions of courtesy

Vocabulary Development: geometric shapes, numbers 1-1,000, introduction to geographical terms, adjectives, community locations, occupations, extended family members, animals, telling time, pronouns, introductions, emergencies, shopping

Written Language: comprehension of written dialogue, conjugation of “er”, “ir” regular verbs in present tense (“ar” review), adjectives with gender agreement, prepositions

Cultural Awareness: customs in Spanish-speaking countries, countries and capitols of South America

RELIGION *meets once per week*

Worship: two chapel services a week, a monthly all-school chapel or Holy Eucharist service, and classroom prayer

Study: weekly Bible verse memorization

Curriculum: overview of Old and New Testaments; book of Genesis; people, prophets and leaders of the Old Testament

MUSIC *meets once per week*

Text: *Music Connection* – Silver, Burdett & Ginn

Melody: passing tones, key centers, intervals, harmonies and melodies

Rhythm: accent, time signatures

Harmony: obligatos

Form: introductions, sequencing

Tone Color: instruments of other cultures and instrument families, boys’ vocal changes

Expressive Qualities: crescendo, diminuendo

Reading: notation

Choir: optional participation

Music Appreciation: stories about composers, examples of their music

VISUAL ARTS *meets one per week*

Perceptual Skills: visual arts vocabulary, representational/non-representational and abstract art, analysis of art elements and principles

Art Elements: elements of art to describe similarities/differences in artwork and environment

Art Principles: unity and harmony

Creative Expression: one-point perspective to create illusion of space; perspective to create a real or imaginary scene

Historical and Cultural Context: identification and comparison of works of art from various regions of the U.S.

Aesthetic Valuing: purposes of art from specific cultures

Connections, Relationships, and Applications: linear perspective to depict geometric objects in space; design icons, logos, and other graphic devices as symbols for ideas and information

INFORMATION TECHNOLOGY *meets once per week*

Computer Care and Operation

Operating System: (Windows 7)

Applied Technology: independent problem solving utilizing programs listed

Program Operation – Application Software:

- **Keyboarding:** type for accuracy and speed (goal: 15-20 wpm)
- **Word Processing:** introduction to working with tables (Microsoft Office Word, Kid Pix)
- **Desktop Publishing:** mastery of basic elements of desktop publishing (Microsoft Office Publisher)
- **Spreadsheets:** introduction to chart basics (Microsoft Office Excel)
- **Multimedia:** creation of multimedia projects (Power Point, Kid Pix)
- **Telecommunications**

Discovery Education

PHYSICAL EDUCATION *meets twice weekly*

Movement: effective and efficient movement through organized games, fitness testing, walking and running

Fitness: extension of calisthenics, participation in National Fitness Test

Manipulative Skills: extensions of throw and catch, kick, dribble, pass, underhand volleyball serve, bump volleyball, volleying

Organized Games: flag football, volleyball, handball, basketball, soccer, lacrosse, track and field, kickball

Social Development: continuation of goal setting for health fitness, further development of good sportsmanship, fair play and character development

LIFE SKILLS

Character Development: “Virtue of the Week”

SIXTH GRADE

MATHEMATICS

Text: *Saxon Course 1* – Saxon Publishers

Numerical Patterns

Geometry: arc, missing measures, parallelogram, perpendicular lines, rhombus, calculating area and circumference of circles, complementary/supplementary angles, convex/concave plane figures, polyhedrons, volume and surface area of polyhedrons

Fractions: addition, subtraction, multiplication and division of fractions

Money: sales tax and total cost

Measurement: perimeter by separating figures, perimeter related to area, decimal-metric connection of prefixes, length to the nearest 1/16 inch

Time: elapsed time

Addition: up to 7-digit numbers, integers

Subtraction: integers

Multiplication: integers

Division: 4-digit quotient, decimals by a decimal, integers

Problem Solving, Reasoning and Processes: logic, analogies

Number Theory: scientific notation, prime factorization, Sieve of Eratosthenes, least common multiple, greatest common factor, roots and powers, mean, median, mode

Graphs: triple bar/triple line graphs, line plot, stem-and-leaf plot, misleading graphs and statistics, expanded scale, graphing points on a coordinate plane

Place Value: through trillions

Decimals: through millionths, terminating and repeating decimals

Properties: identity, distributive, commutative, associative

Ratio, Proportion, and Percent: ratios as percents, unit rate, distance/rate/time, similar figures, percents greater than 100% and less than 1%, missing percent, ratio boxes

Probability: independent and dependent events

LANGUAGE ARTS

Text: *Grade 6 - Literature, Grammar for Writing, and Word Wise* – McDougal Littell, *WriteSource – Level 6*, Great Source

Core Literature: leveled novels, literature books, short stories

Listening: derives meaning from voice inflection and pause; uses critical listening skills; analyzes sources to make value judgments

Reading: selects, reads and responds to a variety of literary types and genre including core, extended, and recreational literature; considers character qualities and motives, feelings and actions; recognizes the basic elements of plot and works of fiction; identifies types of propaganda; interprets dialogue; decides upon word meaning using word analysis skills, derives meaning of unknown words using context clues (base word, affixes); recognizes patterns within different forms of informational texts

Speaking: applies organizational skills and strategies for classifying, categorizing and summarizing when speaking in content areas; utilizes discussion skills including attentive listening, explaining a point and disagreeing tactfully; practices communication skills in a variety of ways (reporting, interpreting, dramatizing, debating and evaluating)

Writing: utilizes *Jane Schaffer Writing Program*; writes in a variety of styles including expository, narrative, persuasive, descriptive and poetic; utilizes particular vocabulary to develop style; uses the mechanics and conventions of language; writes about themes and values; writes in response to literature; utilizes organizational skills of classifying, summarizing, outlining and taking notes; develops five-paragraph essays through cross-curricular projects

Media Center/Literacy Skills: attend Macintosh boot camp to familiarize students with Apple laptop use and care; cite all sources in a bibliography using approved format (MLA); appropriately use the *6 Steps of the Big 6 Research Model*; choose recreational reading materials

HISTORY/SOCIAL SCIENCE

Text: *Ancient World – Adventures in Time and Place* – Glencoe

Core literature: Ancient World Student Anthology

Map Skills: review parts of map, utilization of longitude and latitude, daily geography, geography of the ancient world, geographical factors that influence development of civilization

The Earliest Cultures: the first people, the Stone Ages, the beginnings of agriculture, migration of peoples

Early Middle Eastern Civilization: Mesopotamia, study of archaeological methods, inventions

Early African Civilization: ancient Kush, ancient Nok, ancient Egyptians

Early Asian Civilization: ancient India, ancient China (culture magazine and research report), ancient religions

Early Americas: the Olmec, the early North Americans

Foundation of Western Ideas: ancient Israelites, ancient Greeks, classical Greece

Rome: Roman Empire, Christianity and the fall of Rome

Viewpoints: debate skills

Timelines, Graphs, Charts, Diagrams: historical analysis and interpretation

Special Projects: Ancient Culture Magazine

Special Events: current events

Field Studies: appropriate to areas of concentration

SCIENCE

Text: *Focus on Earth Science* – Prentice Hall

Scientific Reasoning: science current events, scientific method, science notebook with formal laboratory write-ups, lab safety, metric measurements and conversions

Introductory Earth Science: plate tectonics and Earth's structure, earthquakes, volcanoes, minerals and rocks, mapping

Earth's surface, weathering and erosion, atmosphere and weather factors, ecology

Field Studies - Outdoor Science School

SPANISH

Text: *Avancemos 1a*– McDougal Littell

Oral Language Development: refinement of pronunciation and accent, development of basic conversation skills

Vocabulary Development: greetings, weather, classroom, days and months of the week, numbers 0-1, after school activities, food and drink, describing self and others schedules, time, classes, location, feelings, family, dates

Written Language: conjugation of “ar”, “er”, “ir” verbs in present tense and all persons, conjugation of irregular verbs (ir, ser, estar), conjugation of stem changing verbs, conjugation of reflexive verbs, definite and indefinite articles, subject-verb agreement, possessive adjectives

Cultural Awareness: geographic locations, recognition of holidays and cultural celebrations, study of art, music and dance

RELIGION

Text: *The Holy Bible* - New International Version; Teen Devotional Bible

Worship: two chapel services a week, a monthly all-school chapel or Holy Eucharist service, and classroom prayer

Study: one class a week

Curriculum: review Genesis and continue study of Old Testament; introduction to Jewish culture as related to the Old Testament through major holidays

PERFORMING ARTS

Music: choral music; vocal techniques and exercises for choral singing; singing two-part harmonies; importance of singing a composition with beauty and integrity

Theater Skills: beginning level skills for improvisation, pantomime, and stage direction; beginning level choreography; beginning level scene work

VISUAL ARTS

Artistic Perception: describe how balance is effectively used in a work of art; symmetrical, asymmetrical, radial

Art Elements: elements of art in works of art (color, shape/form, line, texture, space, value)

Art Principles: how balance is used in a work of art (symmetrical, asymmetrical and radial)

Creative Expression: create increasingly complex original works of art reflecting personal choices and increased technical skills

Historical and Cultural Content: works of art from a culture and how they have changed or not changed in theme and content

Aesthetic Valuing: articulate changes in artwork

Connections, Relationships, Applications: visual metaphors that express traditions and myths of selected cultures

INFORMATION TECHNOLOGY

Computer Care and Operation: utilize input and output devices

Operating System: creation and organization of personal folders and documents stored on a cross-platform network with use of a password (Windows 7)

Applied Technology: introduction to advanced problem solving techniques utilizing the programs listed below

Program Operation – Application Software:

- **Keyboarding:** type for accuracy and speed (goal: 20-25 wpm) (Mavis Beacon)
- **Word Processing:** introduction of basic writing strategies (Microsoft Office Word)
- **Desktop Publishing:** introduction to using word processing program for desktop publishing, inserting graphics and text (Microsoft Office Publisher)
- **Spreadsheets:** introduction to designing column charts (Microsoft Office Excel)
- **Multimedia:** introduction to slide shows (Microsoft Power Point)
- **Telecommunications:** introduction to independent research on the internet, extension of basic knowledge of internet safety and manners

PHYSICAL EDUCATION

Movement: walking, running, aerobics, Tae-Bo, yoga, Pilates, dance

Fitness: calisthenics, National Fitness Test

Manipulative Skills: balls: overhand and underhand, throwing, catching, kicking, punting, striking, tapping, dribbling, volleying

Organized Games: flag football, volleyball, handball, kickball, basketball, soccer, track and field

Social Development: self-confidence and positive image, cooperation and fair play; respect for and acceptance of decisions made by game officials

Health: *Teen Health 1* - Glencoe/McGraw-Hill; Living a Healthy Life, Mental and Emotional Health, Social Health, Personal Health and Nutrition, Physical Activity, Safety and the Environment: Positively Know Drugs, Programs: Positively Know Drugs

LIFE SKILLS

Character Development: “Virtue of the Week”; focus on study skills and social/peer interaction including cooperation, listening, friendship, bullying, character, self-esteem, teamwork, communication and self-respect

SEVENTH GRADE

MATHEMATICS – Beginning Pre-Algebra

Text: *Saxon 8/7 – Saxon Publishers*

Numerical Patterns: recognize patterns in rational numbers and geometric figures

Geometry: area and perimeter of complex figures, Pythagorean Theorem, construct regular and inscribed polygons, construct congruent segments and angles

Fractions: simplify complex fractions; perform operations with fractions with variables, conversion between fractions, decimals and percents

Money: tax rates, discounts, and total cost

Measurement: figures on coordinate graphs, unit conversion using single/multiple unit multipliers, use proportion to determine dimensions of similar figures and to indirectly measure distance and height

Time

Addition: rational numbers

Subtraction: rational numbers

Multiplication: rational numbers

Division: rational numbers

Problem Solving, Reasoning, and Processes: translate word problems into 1-and 2-step algebraic equations

Number Theory: greatest common factor and least common multiple using prime factorization, use exponents to represent products of rational numbers

Graphs: construct pie graphs and histograms

Place Value: place value as positive and negative powers of 10

Decimals: convert repeating decimals to fractions, scientific notation

Properties: commutative, associative, and distributive properties with variables

Pre-Algebra: translate word problems into algebraic equations and inequalities, solve and graph linear equations, absolute value, calculate/estimate square root

MATHEMATICS – Pre-Algebra

Text: *Algebra 1/2 – Saxon Publishers*

Numerical Patterns: Pythagorean triples

Geometry: area and perimeter of complex figures, Pythagorean Theorem, calculate area and circumference for semicircles, construct regular and inscribed polygons, construct congruent segments and angles

Fractions: complex fractions, conversion between fractions, decimals and percents

Money: tax rates, discounts, interest (simple and compound), commission/profit

Measurement: figures on coordinate graphs, unit conversion using single/multiple unit multipliers

Time

Addition: rational numbers

Subtraction: rational numbers

Multiplication: rational numbers

Division: rational numbers

Problem Solving, Reasoning and Processes: reasonability of calculations

Number Theory: number line, negative numbers, multiplication with scientific notation, Roman numerals, greatest common factor and least common multiple using prime factorization, opposites, reciprocals, counting/natural numbers, whole numbers, integers

Graphs: box-and-whisker plot, graphing lines on a coordinate plane, graphing inequalities on a number line, constructing pie graphs and histograms

Place Value: expanded notation

Decimals

Properties: distributive property

Ratio, Proportion and Percent: proportions with complex fractions, scale factor

Pre-Algebra: number systems, equations, solving inequalities, linear equations, translation of word problems, absolute value, calculate powers, calculate/estimate square/cubic/quadratic roots

Algebra: expression of quantitative relationships using algebraic terminology, multi-step equations, inequalities

LANGUAGE ARTS

Text: *Write Source Level 7* – Great Source, Inc., *Wordly Wise Level 7*– Great Source, Inc. , *Literature* – Scott Foresman

Core Literature: leveled novels

Listening: derive meaning from analogies, themes, stylistic devices and dramatic conflicts

Reading: identify and analyze story elements, author's purpose and style; discusses themes and values in literature; compares and contrasts literary structure and technique

Speaking: utilizes discussion skills (giving and receiving constructive criticism, accepting differing points of view and different interpretations); improves and enhances delivery techniques for effective oral presentations

Writing: writes for a variety of functions and audiences (i.e. Wax Museum); writes in different literary types and genre; utilizes transitional means to connect sentences, paragraphs and total writing

Media Center/Literacy Skills: focus on non-fiction resources to increase knowledge and understanding across curriculum; evaluate electronic resources to determine their accuracy and relevance; use technology resources (Microsoft Suite – PowerPoint, iLife, iMovie, iDVD) for problem solving, communication, and illustration of thoughts, ideas and stories

HISTORY/SOCIAL SCIENCE

Text: *Medieval and Early Modern Times* – Glencoe

Core Literature: *Crispin, and the Cross of Lead* by Avi

Map Skills: daily geography, geography of The Middle Ages and Renaissance and early modern civilizations

Roman Empire: review

Sub-Saharan Africa: West Africa, Central Africa

The Early Middle Ages: the Germans, the Franks, the Irish and Anglo Saxons, the Vikings

New Empires: Byzantine, Spread of Islam, Eastern Slavs

Medieval Societies: feudal Europe, Japan, China

Europe 1300-1600: Renaissance, Reformation, Scientific Revolution, Age of Enlightenment

Civilizations of the Americas: Aztec, Maya, Inca

Nations and Empires 1700-1900

Special Projects: group research newspaper, computer skills

Field Studies: appropriate to areas of concentration

SCIENCE

Text: *Focus on Life Science* – Prentice Hall

Scientific Reasoning: science current events, scientific method, science notebook with formal laboratory write-ups, lab safety, metric measurements conversions

***Introductory Life Science:** cell structure and function, cell processes and energy, genetics, classification of living things (monerans, protists, fungi), plants without seeds, plants with seeds, invertebrates, exothermic and endothermic vertebrates, human body systems, plant identification, climate changes

Field Studies - Catalina Marine Science Camp

***Lab dissections are included as appropriate**

SPANISH

Text: *¡En Español!* – McDougal Littell

Oral Language Development: listening and speaking skills practice (audiotapes), dialogues

Vocabulary Development: reinforcement of more advanced vocabulary and grammar, occupations, quinceañera clothing, travel, capitals of Spanish-speaking countries, leisure activities, participation in online resources, showing possession, expressing likes and dislikes, birthdays, obligations, school schedules, interrogatory vocabulary and sentence structure, subject pronouns, definite and indefinite articles, agreement in gender and number, personal A, classroom commands, tongue twisters

Written Language: independent research projects, creative writing projects, comprehension of more advanced text, introduction of seven irregular verbs (present tense)

Cultural Awareness: current events, multi-cultural issues, famous Hispanics, holiday celebrations, Dia de Muertos activities, recipes from Spanish speaking countries, travel information, cultures of Spanish speaking countries, Cesar Chavez information, Dia de Independencia de Mexico, Cinco de Mayo

RELIGION

Text: *The Holy Bible* – New International Version; Teen Devotional Bible

Worship: two chapel services a week, a monthly all-school chapel or Holy Eucharist service, and classroom prayer

Study: one class a week

Curriculum: introduction to the New Testament; students will read a portion of each NT book and write a weekly essay; stress placed on the historical context of each book and the life lessons available to students

PERFORMING ARTS

Music: continued work on vocal techniques needed for singing choral music; intermediate level repertoire; singing two- and three-part harmonies; importance of studying a choral piece to communicate the composer's message

Theater Skills: intermediate theater skills; intermediate scene work and monologues; learning to build a character; introduction to public speaking; audition skills

VISUAL ARTS

Artistic Perception: analyze and describe how the elements and art principles of art contribute to the expressive qualities of their own works of art

Art Elements: how the elements of art contribute to the expressive qualities of individual work of art

Art Principles: how the principles of design contribute to their own works of art

Creative Expression: use of at least three different media

Historical and Cultural Content: comparison and contrast of works of art from various periods, styles, and cultures; how those works reflect the society

Aesthetic Valuing: analysis of works of art, including their own, according to the elements of art and principles of design

Connections, Relationships, Applications: professions related to the visual arts and specific skills needed for those professions

INFORMATION TECHNOLOGY

Computer Care and Operation

Operating System: (Windows 7)

Applied Technology: independent problem solving

Program Operation – Application Software:

- **Keyboarding:** type for accuracy and speed (goal:25-30 wpm) (Mavis Beacon)
- **Word Processing:** advanced writing styles and strategies (Microsoft Office Publisher)
- **Desktop Publishing:** columns, page setup, layout (Microsoft Office Word)
- **Spreadsheets:** use of mathematical formulas to design spreadsheets and charts (Microsoft Office Excel)
- **Multimedia:** use of graphics, internet resources and animation effects in slide shows (Microsoft Power Point)
- **Telecommunications:** extending independent internet research skills; acquiring advanced knowledge of internet safety and manners

PHYSICAL EDUCATION

Movement: walking, running, aerobics, Tae-Bo, yoga, Pilates, dance

Fitness: calisthenics, Physical Fitness testing

Manipulative Skills: Balls: overhand and underhand throwing, catching, kicking, punting, striking, tapping, dribbling, volleying

Organized Games: flag football, volleyball, handball, kickball, basketball, soccer, lacrosse, track and field

Social Development: self-confidence and positive image, cooperation and fair play; respect for and acceptance of decisions made by game officials

Health: *Teen Health 2* – Glencoe/McGraw-Hill; Learning about your Health, Taking Responsibility for Your Health, Tobacco, Drugs-Alcohol, Food and Nutrition, Physical Activity and Fitness, The Environment and Your Health, Social Health, Social Health/Family and friends, Programs: Healthy Kids Survey

LIFE SKILLS

Character Development: “Virtue of the Week”; focus on study skills and social/peer interaction including cooperation, listening, friendship, bullying, character, self-esteem, teamwork, communication and self-respect

EIGHTH GRADE

MATHEMATICS – Algebra 1A, Algebra 1

Text: *Algebra I–Merrill, Glencoe Publishers*

Numerical Patterns: consecutive integers

Geometry: calculating surface area and volume of geometric solids, volume conversions

Fractions

Money: word problem applications

Measurement: conversion between U.S. customary and metric system using multiple unit multipliers

Addition: real numbers

Subtraction: real numbers

Multiplication: real numbers

Division: real numbers, division by zero

Problem solving, Reasoning, and Processes

Number Theory: difference between undefined and indeterminate, additive and multiplicative inverse, sets, evaluate powers and roots, evaluate exponential expressions, evaluate rational expressions

Graphs: histograms

Place Value

Decimals

Properties

Probability: dependent and independent

Algebra: evaluate algebraic expressions, functions, factoring, multivariable equations, evaluate polynomials, solve and graph linear equalities and inequalities, systems of equations, slope, slope-intercept and standard form, write equations of lines, domain and range, quadratic equations, absolute value inequalities, direct and inverse variation, exponential growth, word problem applications

MATHEMATICS – Algebra 1 Honors

Text: *Algebra I–Merrill, Glencoe Publishers*

Numerical Patterns: algebraic and geometric sequences and series

Geometry: area and volume using apothem, inductive and deductive reasoning, distance and mid-point, angle bisector, angle and segment addition postulates, similar triangles using AA, SSS, SAS, geometric mean, perimeters of similar figures

Fractions: ratios, rational expressions and equations, fractional exponents

Money: word problems, interest compounded and mixture problems

Measurement: distance application of Pythagorean Theorem, using proportions to estimate distance, scientific notation to measure chemical and physics equations

Addition: matrix method, closure

Subtraction: matrix method

Multiplication: binomials, polynomials

Division: factoring, long division of rational expressions, synthetic division, rational root theorems

Problem Solving: critical thinking skills and applications

Number Theory: number groups, complex and imaginary

Graphs: linear Equations and inequalities, slope intercept, point slope, standard form of linear equations, parabolic equations and inequalities- standard and vertex form, axis of symmetry, solutions, absolute values and inequalities- vertex form, correlations, relations and functions

Place Value: use of negative exponents to represent place

Decimals

Properties: reflexive, symmetric, and transitive

Probability: central tendency, measure of variation, compound events, odds

Algebra: matrix, point-slope and standard form, composite functions, joint variation, successive discounts, percent change, matrices, factoring cubes, escape velocity, distance formulas, radical equations, critical thinking, problem solving

LANGUAGE ARTS

Text: *Literature Level 8 – Scott Foresman, Write Source Level 8 – Great Source, Inc., Wordly Wise 3000 Book 8 – Educators Publishing Service*

Core Literature: leveled novels (*The Diary of Anne Frank* by Anne Frank, *Flowers for Algernon* by Daniel Keyes, *Animal Farm* by George Orwell, *The Westing Game* by Ellen Raskin)

Listening: analyzes oral presentations using appropriate criteria

Reading: recognizes persuasive language in literature; considers themes and values in literature; considers literary structure and techniques; utilizes detail, sequence, main idea and cause and effect relationships to draw conclusions from literary selections; refines test taking skills; using literature, analyzes and interprets the author's purpose, characters' motivations, and the structure of the text; identifies conflict, theme, characterization, setting, foreshadowing, and point of view; identifies literary devices (simile, metaphor, symbolism, etc)

Speaking: utilizes discussion skills in Socratic seminars (orally analyzes the themes and values in literary works); utilizes a variety of dramatic responses to literature for appreciation, information and enjoyment; prepares speech outline based upon a chosen pattern of organization, delivers narrative research and persuasive presentations; recites poems

Writing: writes for a variety of audiences and purposes (expository, narrative, persuasive and expressive); literary analysis; improves own style of writing; applies knowledge of grammar, mechanics and parts of speech; refines writing technique for the five-paragraph essay; writes research reports; writes documents related to career; uses writing process

Media Center/Literacy Skills: research and evaluate the comprehensiveness and bias of electronic information sources; use library resources to investigate career interests; use electronic tools (Microsoft Suite – Word Processing, Excel) to note take, classify, group and organize information

HISTORY/SOCIAL SCIENCE

Text: *The American Journey* – Glencoe/McGraw-Hill, *We the People* – Center for Civic Education,

Map Skills: daily geography, U.S. geography

Settling the Americas: first Americans, European exploration, English colonization

Struggle for Independence: American Revolution

Establishing the Constitution: Three Branches of Government Essay

Democracy: Age of Jefferson 1800 – Age of Reform 1860

Age of Conflict/Expansion: Civil War and Reconstruction

Changing America and Expanding Horizons: industrialization and new age of politics

World War I to Cold War: Great Depression, WWII, Cold War

Special Projects: Washington D.C./Williamsburg album, decade research projects/U.S. President project, current events

Special Events

Field Studies: Washington D.C./Williamsburg, Museum of Tolerance

SCIENCE

Text: *Focus on Physical Science* – Prentice Hall

Scientific Reasoning: science current events, scientific method, science notebook with formal laboratory write-ups, lab safety, and metric measurements and conversions

Introductory Physical Science: changes in matter, elements and the Periodic Table, chemical reactions, atoms and bonding, earth, moon and sun, solar system

SPANISH

Text: *¡En Español! Uno* – McDougal Littell

Oral Language Development: correct pronunciation utilized throughout conversation, oral presentations, listening to target language almost exclusively in class, participation in online resources

Vocabulary Development: directions, city locations, furniture, numbers 1 – 1,000,000, restaurant vocabulary, body parts with verbs, sports, states of being, city locations, furniture, numbers to one million, ordinal numbers, restaurant vocabulary, body parts with verbs, sports and sport's equipment, states of being, tener idioms, bargaining vocabulary, past tense vocabulary

Written Language: direct and indirect objects, reflexive verbs, affirmative commands, regular and irregular verbs in preterit tense, additional irregular verbs, more advanced writing skills, adverb formation, comparatives and superlatives, demonstrative adjectives

Cultural Awareness: cultural participation and research portfolios

SPANISH 1A

Text: *¡En Español 1a! Uno* – McDougal Littell

Oral Language Development: refinement of pronunciation and accent through conversation practice

Vocabulary Development: numbers 0-1000000, sports, sports equipment, school classes, schedules, afterschool activities, activities in free time, describing self and others, dates, months, invitations, seasons, weather

Written Language: conjugating ar, er, ir, conjugating irregular verbs in present tense, stem changing verbs, direct and indirect object pronouns, comparatives, present progressive tense, adverb formation, frequency adverbs

Cultural Awareness: cultural participation and research project

RELIGION

Text: *The 7 Habits of Highly Effective Teens* by Sean Covey

Worship: Two chapel services a week, a monthly all-school chapel or Holy Eucharist service.

Study: One class a week.

Curriculum: Learning and implementation of the “7 Habits” into the lives of the students through weekly experiential activities and journal assignments.

Examination of fundamental themes and beliefs of major world religions through classroom lectures and student presentations

INFORMATION TECHNOLOGY

Computer Care and Operation: troubleshooting input and output device complications

Operating System: troubleshooting folder and file complications in a cross-platform network (Windows 7)

Applied Technology: independent and advanced problem solving by self selection of software programs

Program Operation – Application Software:

- **Keyboarding:** type for accuracy and speed (goal:30-40 wpm) (Mavis Beacon)
- **Word Processing:** detailed report projects including graphs, charts, formatted paragraphs and various font styles (Microsoft Office Word)
- **Desktop Publishing:** business reports (i.e. advertisements, brochures, letterheads, expense reports, flyers and articles) (Microsoft Office Publisher)
- **Spreadsheets:** font and color changes, detailed charts, multiple mathematical functions (Microsoft Office Excel)
- **Multimedia:** advanced slide show presentations (Microsoft Power Point)
- **Telecommunications:** advanced independent internet research skills

PHYSICAL EDUCATION

Movement: walking, running, aerobics, Tae-Bo, yoga, Pilates, dance

Fitness: calisthenics, National Fitness Test

Manipulative Skills: balls: overhand and underhand throwing, catching, kicking, punting, striking, trapping, dribbling, volleying

Organized Games: flag football, volleyball, handball, basketball, soccer, lacrosse, track and field

Social Development: self-confidence and positive image, cooperation and fair play; respect for and acceptance of decisions made by game officials

Health: *Teen Health 3* – Glencoe/McGraw-Hill; relationships, the teen years, communicable diseases, health consumer, nutrition, physical activity and fitness, health skills

Program: Next Step

HIGH SCHOOL PREPARATION

“The Road to High School”: identify learning styles; prepare for the High School Entrance Examination; orient to the application process for private high schools; prepare for the Honors placement examinations given prior to high school