

curriculum guide 2011/2012

The Chestnut Hill School

Academic excellence

in a challenging and supportive environment...

THE CHESTNUT HILL SCHOOL provides its students with a strong foundation of learning skills in a teaching environment which fosters self-esteem and empowers them with enthusiasm and curiosity about discovering knowledge. Within an active community of students, faculty, and families, the school promotes respect between individuals and involvement with the larger community.

Through an interdisciplinary curriculum and a process-oriented approach to learning, the faculty encourages children to strive for excellence, to develop confidence in themselves and their abilities, and to realize their unique talents and creativity. Active exploration encompassing many voices and viewpoints allows children to experience the richness of many cultures and develop appreciation of a pluralistic world.

The school works in close partnership with families to ensure the warmth, diversity and academic excellence that are characteristic of the Chestnut Hill School community.

...is the mission of

The Chestnut Hill School

The Chestnut Hill School reaffirms its long-standing policy of non-discriminatory admission of students. The Chestnut Hill School admits students of any race, color, religion, gender, family structure, sexual orientation, or national and ethnic origin to all rights, privileges, programs and activities generally afforded or made available to students at the school. The school does not discriminate in violation of any law or statute in the administration of its educational policies, admission policies, financial aid programs, and athletic or other school-administered programs.

program overview:

The concepts listed under each subject thread their way from the youngest grade to oldest; skills and content build from one year to the next.

Language Arts: Reading

Literature Exposure/
Appreciation
Reading Mechanics
Comprehension Skills
Vocabulary Development
Oral and Silent Reading
Independent Reading

Language Arts: Writing

Grammar, English
Expression and
Punctuation
Creative, Expository and
Journal Writing
Research Skills
Spelling and Vocabulary
Handwriting
Media Integration

Mathematics

Number and Operations
Algebraic Thinking
Geometry
Measuring
Data Analysis
Problem solving
Communication
Mental Math
Model Drawing

Science

Problem Solving
Understanding Concepts
Experimenting
Observing and Recording
Classifying and
Comparing
Communicating Clearly
Formulating and Testing
Hypotheses
Collecting and Evaluating
Data
Working Cooperatively

Social Studies

History
Geography
Current Events
Citizenship and
Government
Economics
Social Competency

Art

Developmentally
Appropriate Skills
and Concepts
Creative Self-Expression
Multicultural Art-
Oriented Experiences
Knowledge of Artists
and Art History

Library

Reading Enjoyment
Comprehension and
Interpretation Skills
Information Skills
Media Literacy
Exposure to Literary
Genre Representing
Many Cultures

Music/Violin

Develop Singing
Appreciation & Enjoyment
Develop an Inner Sense
of Rhythm and Pitch
Develop an Appreciation
of the Diversity of Music
in our World
Maintain a Musical
Collaboration within
Homeroom Curricula
Study Styles & Forms
of Music
Perform in School
Concerts
K-3 Violin Instruction

Physical Education

Developmentally
Appropriate Tasks
and Challenges
Increase Physical, Sport,
Game and Fitness Skills
Build Positive Feelings
towards Physical Activity
Enhance Individual,
Cooperative, Risk-Taking,
and Leadership Qualities
Upper School Athletics

Spanish

Fluency in Speaking,
Reading, Writing and
Listening to Spanish
Understanding of
Cultures and Geography
and Exploration of
Customs of Spanish-
Speaking Countries
Cross Grade Level Units
with Increasing
Complexity
Classes Taught in Target
Language
Integration of Art, Music
and Technology

Technology

Keyboarding
Word Processing
Spreadsheet Application
Database Development
Internet Integration
Multimedia Applications
Technology Literacy
Programming/Engineering

Woodworking

Use of Proper Tools
Safe Use and Care
of Tools
Following Construction
Diagrams
Self-Confidence
and Creativity

beginners

LANGUAGE ARTS: READING

Literature: fiction and non-fiction

Exposure to a print-rich environment

Daily teacher read-aloud; daily independent “book look”

Weekly shared reading with fourth grade reading partners

Reading readiness skills; phonemic awareness; exposure to alphabet

Listening comprehension; interpretation of illustrations; prediction of actions in stories

Development of language skills; building spoken vocabulary

LANGUAGE ARTS: WRITING

Listening and speaking

Self-expression

Story telling

Creative drama

Songs and fingerplays

Fine motor development

Writing own name

Recognizing and forming upper case letters

MATHEMATICS

Foundational number sense

Counting with one-to-one correspondence to 10

Recognizing, ordering, and representing numbers to 5

Basic shape and color recognition

Comparing size

Sorting and classifying by one attribute

Recognizing and extending patterns

Exposure to simple graphs

Calendar awareness

SCIENCE

Joyful exploration of the environment

Growing plants

Seasonal changes, weather

Growing bodies; developing awareness of nutrition, bones and internal organs

Observing living creatures and their habitats

Large-scale, cross-curricular, Science Fair project

SOCIAL STUDIES

Development of social skills

Development of self-awareness, learning to listen to others, learning to work in a group, learning to seek help when needed

Integrated literature

Introduction of goal-directed classroom units

Self/family

Community

International studies: travel around the world

Seasonal themes

Modified *Open Circle*

ART

Develop self-expression

Develop fine and gross motor skills

Foster creativity

Experiment with a variety of media and textures through cutting, pasting, coloring, drawing, painting, sculpture, collage, clay, playdough

LIBRARY

Delight in story
Language enrichment
Listening, understanding and remembering
Interpreting the story through movement
Exposure to stories representing many cultures
Pre-reading skills: left-to-right, top-to-bottom progression

MUSIC

Unison songs, chants and calls
Introduction to percussive instruments to reinforce steady beat and rhythm
Introduction to musical scale to reinforce concept of pitch
Circle games and improvised movement and dance
Introduction to music appreciation through use of recorded materials
Inclusion of musical storybooks

PHYSICAL EDUCATION

Body and spatial awareness
Locomotive skills: jumping, leaping, galloping, skipping
Manipulative skills: catching, kicking, striking
Creative gymnastic skills: balancing, rolling
Cooperative challenges and games
Rhythmic and creative movements

SPANISH

Greetings
Familiarization with basic themes (colors, some body parts, numbers 1–20, etc.)
Development of listening skills
Response to simple questions and commands
Sing and produce simple sentences
Reading visual symbols in the target language
Develop a taste for the language
Integration with Art and Music

TECHNOLOGY

Exposure to input devices: keyboard and mouse
Introduction to various curriculum enhancing software particularly focusing on enhancing creativity

LANGUAGE ARTS: READING

Literature: fiction and non-fiction

Exposure to a print-rich environment

Daily teacher read-aloud; daily independent “book look”

Weekly shared reading with fifth grade reading partners

Reading readiness skills; phonemic awareness; identification of upper case letters/exposure to lower case letters

Beginning letter/sound associations (consonants)

Listening comprehension; basic story form; retelling stories

Development of language skills; building spoken vocabulary

LANGUAGE ARTS: WRITING

Language development

Poetry and early rhyming

Songs

Self-expression

Dictation of stories

Fine motor development

Letter formation: upper case

Writing own name

Introduction to journal writing

Creative drama

MATHEMATICS

Foundational number sense

Counting with one-to-one correspondence to 20

Recognizing, ordering, and representing numbers to 10

Numeral formation 0-10

Comparing quantity

Sorting and classifying by multiple attributes

Creating and extending patterns

Non-standard measurement

Interpreting simple graphs

Calendar and time awareness

SCIENCE

Joyful exploration of the environment

Growing plants

Seasonal changes, weather

Growing bodies; developing awareness of nutrition, bones and internal organs

Observing living creatures and their habitats

Classification of objects by attribute

Large-scale, cross-curricular, Science Fair project

SOCIAL STUDIES

Development of social skills

Development of self-awareness, learning to listen to others, learning to work in a group, learning to seek help when needed

Integrated literature

Goal-directed classroom units

Self/family

Community

International studies: travel around the world

Arts and artists

Space

Modified *Open Circle*

ART

Develop self-expression

Develop fine and gross motor skills

Foster creativity

Experiment with a variety of media and textures through cutting, pasting, coloring, drawing, painting, sculpture, collage, clay, playdough

LIBRARY

Delight in story
Language enrichment
Listening, understanding and remembering
Interpreting the story through movement
Exposure to stories representing many cultures
Pre-reading skills: left-to-right, top-to-bottom progression

MUSIC

Unison songs, chants and calls
Introduction to percussive instruments to reinforce steady beat and rhythm
Introduction to musical scale to reinforce concept of pitch
Circle games and improvised movement and dance
Introduction to music appreciation through use of recorded materials
Inclusion of musical storybooks

PHYSICAL EDUCATION

Body and spatial awareness
Locomotive skills: jumping, leaping, galloping, skipping
Manipulative skills: catching, kicking, striking
Creative gymnastic skills: balancing, rolling
Cooperative challenges and games
Rhythmic and creative movements

SPANISH

Greetings
Familiarization with basic themes (colors, some body parts, numbers 1–20, animals, etc.)
Development of listening skills
Response to simple questions and commands
Build upon previous vocabulary; sing and produce increasingly complex sentences
Develop a taste for the language
Integration with Art and Music

TECHNOLOGY

Introduction to input devices: keyboard, mouse, touch screen
Introduction to various curriculum enhancing software particularly focusing on enhancing creativity and skill building
Introduction to the Internet

WOODWORKING

Introduction to the safe use of tools
Identify names of basic tools, their location and function
Practice using proper tools on projects chosen to develop basic skills

kindergarten

LANGUAGE ARTS: READING

Following directions

Recognizing both upper and lower case letters

Letter/sound associations: consonants and short vowels

Reading groups

Weekly shared reading with sixth grade reading partners

Introduction to narrative structure: setting, characters, sequence of events

Poetry, phonetically controlled readers, picture books

Phonological awareness activities

LANGUAGE ARTS: WRITING

Develop speaking and listening skills

Writing and illustrations

Developmental spelling skills

Letter formation: upper and lower case

Journal writing

Punctuation and capitalization

Introduction to parts of speech

MATHEMATICS

Math in Focus: Singapore Math

Counting and numbers to 20

Counting by 2s and 5s

Addition & subtraction stories

Comparing sets

Ordinal numbers

Classifying and sorting

Size and position

Order by length and weight

Solid and flat geometric shapes

Shape patterns

Calendar patterns

Money: identify coin value, make coin combinations

SCIENCE

Cycles in nature

Change and growth

Plants and animals

The human body

Our environment: land, sea, and sky

Topics of interest to the class

Classification of objects by attribute

Large-scale, cross-curricular, Science Fair project

SOCIAL STUDIES

Self/community

Boston and its neighborhoods

Familiar faces and landmarks in Massachusetts

Community and maps

Introduction to New England states

Integrated literature

Open Circle

ART

Develop self-expression

Develop fine and gross motor skills

Foster creativity

Experiment with a variety of media and textures through cutting, pasting, coloring, drawing, painting, sculpture, collage, clay, playdough

LIBRARY

Delight in story

Language enrichment

Using the strategies and techniques of a good reader

Listening, understanding and retelling

Discussing the story and making connections

Choosing books to enjoy

Exposure to world folklore and stories representing many cultures

MUSIC/VIOLIN

Unison songs, chants and calls

Introduction to percussive instruments to reinforce steady beat and rhythm

Introduction to musical scale to reinforce concept of pitch

Circle games and improvised movement and dance

Introduction to music appreciation through use of recorded materials

Inclusion of musical storybooks

Group instruction in violin

PHYSICAL EDUCATION

Locomotive skills: dodging, chasing, fleeing, hopping

Manipulative skills: catching, throwing, volleying, dribbling, striking

Creative gymnastic skills: transferring weight, jumping, landing

Cooperative challenges and games

Rhythmic and creative movements

SPANISH

All previous class content with the addition of:

Greet and respond to greeting

Continue to develop oral skills and speaking ability

Interact in cultural games, songs and activities

Introduction of new themes

Using visuals to build knowledge of vocabulary and intuitive grammar structures

Introduction of holidays in Spanish-speaking countries

TECHNOLOGY

All previous class content with the addition of:

Introduction to word processing skills

Use of curriculum enhancing software in the areas of science, problem solving, math, graphing, art, language arts, social studies and Spanish

Develop comfort and facility navigating a screen environment

Introduction to student-created multimedia presentations

WOODWORKING

Introduction to the safe use of tools

Identify names of basic tools, their location and function

Practice using proper tools on projects chosen to develop basic skills

grade one

LANGUAGE ARTS: READING

S.P.I.R.E. Reading Program

Phonetic readers, trade books, fiction, and non-fiction articles

Literature-based reading groups

Sound/symbol association

Sightword development

Multiple decoding strategies

Fluency and expression

Comprehension: literal and beginning inferential

Vocabulary development across content areas

Daily teacher “read-alouds”

Guest readers and silent reading

LANGUAGE ARTS: WRITING

Writing Workshop: process writing, personal narrative, stories, and poetry

Grammar/Mechanics (*Framing Your Thoughts*): sentence structure, subject, predicate, some predicate expanders, end punctuation, capitalization

Conventional and phonetic spelling: high frequency words, phonetic concepts and patterns

Personal dictionaries

Handwriting skills: manuscript upper and lower case

Speaking/listening skills

Journal writing

MATHEMATICS

Math in Focus: Singapore Math

Numbers to 100

Addition/subtraction facts to 20; adding/subtracting to 100

Multiple additions and equal sharing

Ordinal numbers and positions

Shapes and patterns

Picture and bar graphs

Mental math strategies; number bonding

Length and weight

Calendar concepts

Telling time on hour and half-hour

Money: identify coin value, make coin combinations

SCIENCE

The five senses and their uses to gather information as scientists

The Earth and the sky: the properties of the Earth's crust; soil, rocks and minerals; our solar system

The special characteristics of animals living in Alaska's arctic climate: focus on birds and mammals

Practice with metric measuring tools

SOCIAL STUDIES

North America: geography and indigenous peoples

The Iditarod

Map skills

Integrated literature

Current events: *Scholastic News*

Open Circle

ART

Introduction to basic drawing skills

Elements of design

The color wheel: warm/cool colors

Painting, sculpture, ceramics, collage, printmaking

Fiber arts

Paper methods

Materials exploration

Skills development with tools

LIBRARY

Delight in story

Language enrichment

Using the strategies and techniques of a good reader

Listening, understanding and retelling

Discussing the story and making connections

Choosing books to enjoy

Exposure to children's literature representing many cultures

Curriculum support

MUSIC/VIOLIN

Introduction of partner songs and understanding of proper singing posture and breathing

Sequential understanding of basic notation

Sequential mastery of Orff instruments plus additional instruments from around the world

Continuing music appreciation

Introduction to circle and line dances

Improvised movement and dance

Group instruction in violin

PHYSICAL EDUCATION

Locomotive skills: dodging, chasing, fleeing, hopping

Manipulative skills: catching, throwing, volleying, dribbling, striking

Creative gymnastic skills: transferring weight, jumping, landing

Cooperative challenges, sports, and games

Rhythmic and creative movements

SPANISH

All previous class content with the addition of:

Further exposure to calendar and time concepts

New themes

Introduction of Spanish phonemic sounds; working with rhyming games

Follow specific directions and commands

Continue to build knowledge of vocabulary and intuitive grammar structures through visuals

Enhance communication in target language

Continued exposure to holidays in Spanish-speaking countries

TECHNOLOGY

All previous class content with the addition of:

Use of curriculum enhancing software on increasingly complex projects

Introduction to the school's local area network

WOODWORKING

Safety and care of tools stressed

Projects chosen to develop self-confidence and creativity

Introduction to various measuring skills

Use of proper tool for a given task

grade two

LANGUAGE ARTS: READING

S.P.I.R.E. Reading Program

Literature-based reading groups

Review and build upon multiple decoding strategies

Increased sightword recognition

Reading Comprehension: literal and inferential

Fluency, clarity, and expression

Vocabulary development

Understanding story elements: plot, setting, character

D.E.A.R.: Independent reading for pleasure

LANGUAGE ARTS: WRITING

Writing Process: planning, writing, revising, editing, publishing

Writing Workshop: writers' notebook, memoirs, letters, poetry, fiction/nonfiction

Journal writing

Daily Oral Language: capitalization, punctuation, spelling

Framing Your

Thoughts: sentence structure, subject, predicate, predicate expanders

Transitioning to conventional spelling; high frequency words; phonetic patterns; syllable types

Personal dictionaries, word wall

Manuscript review; cursive, upper and lower case

MATHEMATICS

Math in Focus: Singapore Math

Numbers to 1,000

Addition and subtraction to 1,000

Using bar models: addition and subtraction

Multiply and divide with 2, 3, 5, and 10

Fractions: halves, thirds, and fourths

Picture graphs

Mental math and estimation

Length, mass, volume

Lines and Surfaces

Shapes and patterns

Telling time to 5 minutes

Money: Identify bills, make coin and bill combinations

SCIENCE

Tree and plant life cycles, especially the seasons of the maple tree

Continued practice with metric measurement tools

Properties of magnets

The Invention Convention for the Science Fair

Gravity and motion: the dynamics of flight

The earth and it's place in the solar system

Motorized robotic construction and programming using *LEGO WeDo*

SOCIAL STUDIES

South America: geography and peoples; study of rainforest

Brazil and Argentina

China: geography and culture

Geography: introduction to continents and oceans

Map skills: compass rose, reading a map key, cardinal directions

Current events: *Scholastic News*

Open Circle

ART

Group painting

Tints and shades in color mixing

Pottery: slab and coil techniques

Texture and pattern

Develop basic drawing skills

Batik (wax resist) technique

Collage

Chinese Calligraphy: connections and origins

Still life

LIBRARY

Delight in story

Language enrichment

Using the strategies and techniques of a good reader

Listening, understanding and retelling

Discussing the story and making connections

Choosing books to enjoy

Exposure to children's literature representing many cultures

Introduction to information skills

Curriculum support

MUSIC/VIOLIN

Partner songs and understanding of proper singing posture and breathing

Sequential understanding of basic notation

Sequential mastery of Orff instruments plus additional instruments from around the world

Continuing music appreciation

Continued exposure to circle and line dances

Improvised movement and dance

Group instruction in violin

PHYSICAL EDUCATION

Increased social and skill development with individual, partner, group and team tasks

Manipulative and locomotive skills are combined in modified sports games

Instruction in soccer, basketball, and floor hockey

Cooperative and competitive challenges, sports, games, team building

Rhythmic and creative movements

SPANISH

All previous class content with the addition of:

Enhance communication in target language

New themes

Spanish phenomic sounds and recognition of Spanish alphabet

Sound out simple Spanish words

Introduction to written Spanish

Follow directions and commands

Act out simple poems and dialogue

Use visuals to build on knowledge of vocabulary and intuitive grammar structures

TECHNOLOGY

All previous class content with the addition of:

Introduction to correct keyboarding form

Particular curriculum enhancement in geography and map skills

WOODWORKING

Safety and care of tools stressed

Projects chosen to develop self-confidence and creativity

Introduction to various measuring skills

Use of proper tool for a given task

Introduction to stains and polyurethane in finishing processes

grade three

LANGUAGE ARTS: READING

Short stories, poetry, non-fiction

Comprehension strategies; literal, critical, inference skills

Vocabulary

Decoding strategies

Dictionary and research skills

Research reports: notable biographies

Literature groups: book discussions, book reports, genre studies and character and plot analyses

Oral reading skills

D.E.A.R.: Independent reading for pleasure

LANGUAGE ARTS: WRITING

Writing Workshop: process writing, personal narrative, letter writing, factual and imaginative stories, poetry, plays, bookbinding and publishing

Composition: sentence and paragraph structure

Daily Oral Language: punctuation, capitalization

Grammar: nouns, verbs, adjectives, pronouns

Spelling and vocabulary development; *Spellography*

Journal: reflections and descriptive writing

Sharing reports, poetry: class performances

Cursive handwriting: review of lower and upper case letters

MATHEMATICS

Math in Focus: Singapore Math

Numbers to 10,000

Addition and subtraction to 10,000

Using bar models: all operations

Multiply & divide with 6, 7, 8, and 9

Add & subtract like fractions

Mental math and estimation

Length, weight, mass, and volume, and temperature

Angles, lines & perimeter

Two-dimensional shapes

Bar graphs and line plots

Elapsed time

Add and subtract money

SCIENCE

The water cycle, weather and seasonal change

Motorized robotic Lego construction and programming in *Scratch* and *NXT*.

Paleontology and dinosaurs

Individual Science Fair projects

Movement of electrons in static and current electricity

Life in and around the earth's oceans

SOCIAL STUDIES

Ancient civilizations: Egypt and Greece

Global understanding: communities, states, countries, and continents

Refinement of sense of time (“now” and “in the past”)

Construction of historical timelines

Martin Luther King, Jr.

Geography: continents and oceans

Current events: *Scholastic News* and newspapers

Study skills, fact finding, note-taking

Open Circle

ART

Study of facial proportions: portrait

Watercolor washes

Complementary colors

Group projects

Pottery: self-portrait in clay

Texture design

Pointillism

Heiroglyphics unit

Gesture drawing

LIBRARY

Reading enjoyment

Using strategies and techniques of a good reader

Comprehension, retelling, inference and analysis

Reading for fact

Beginning research skills, both print and electronic

Using the on-line catalog

Media literacy

Curriculum support

MUSIC

Introduction to soprano recorder

Partner songs and understanding of proper singing posture and breathing

Sequential understanding of basic notation

Sequential mastery of Orff instruments plus additional instruments from around the world

Continuing music appreciation

Continued exposure to circle and line dances

Improvised movement and dance

Group instruction in violin

PHYSICAL EDUCATION

Increased social and skill development with individual, partner, group and team tasks

Manipulative and locomotive skills are combined in modified sports games

Instruction in soccer, basketball, volleyball, floor and field hockey, baseball, badminton, lacrosse and speed ball

Gymnastics and apparatus

Cooperative and competitive challenges, sports, games, team building

Rhythmic and creative movements

SPANISH

All previous class content with the addition of:

Integration of vocabulary and inuitive grammar structures to enhance communication

Review of Spanish phonemic sounds and letters

Ask and answer questions; make and respond to requests

Cultural activities; games, songs, holidays, rhymes, and stories

Begin to write paragraphs and simple stories

Abstraction of simple visual cues to express more complex ideas

Develop a bilingual rhyming story based on *Ocho Animales*

TECHNOLOGY

All previous class content with the addition of:

Discuss online safety rules

Enhanced story writing/newspaper style

Introduction to higher level multimedia production programs

Utilize "CHS Reads" wiki

Introduction to database development

Participate in music technology unit

WOODWORKING

Safety and care of tools stressed

Projects chosen to develop self-confidence and creativity

Introduction to various measuring skills

Use of proper tool for a given task

Continued use of stains and polyurethane in finishing processes

grade four

LANGUAGE ARTS: READING

Novels, biographies, short stories, poetry, non-fiction

Word attack skills, context clues, fluency, self-correcting strategies

Narrative/Expository comprehension: Literal, inferential and applied

Literary analysis: Story elements, figurative language, reading response

Reading for Content: Main idea, fact/opinion, relevant information, sequencing, summarizing

Vocabulary: content area vocabulary, vocabulary in context, dictionary use, root words

Reading logs, book reviews: oral and silent-reading

D.E.A.R.: Independent reading for pleasure

LANGUAGE ARTS: WRITING

Descriptive, expository, personal narratives, letter writing, journals, poetry

Grammar: nouns, verbs, pronouns, adjectives, adverbs, prepositional phrases

Mechanics of writing: capitalization, punctuation, sentence and paragraph structure, edit and revising skills

6 + 1 Traits: Ideas, Organization, Word Choice, Sentence Fluency, Voice, Conventions

Vocabulary: spelling and vocabulary development; *Spellography* and *Vocabulary from Classic Roots*, vocabulary from literature

Reinforcement of cursive handwriting

MATHEMATICS

Math in Focus: A Singapore Approach

Numbers to 100,000

Estimation and number theory

Whole number multiplication and division

Tables and line graphs

Data and Probability

Fractions and mixed numbers: addition and subtraction

Adding and subtracting decimals

Measuring and identifying angles

Perpendicular and parallel lines

Properties of squares and rectangles

Area and perimeter

Symmetry and tessellations

SCIENCE

Monarch butterflies

Bird research

Owl pellets

Human body: the skeletal system

Human body: the muscular system

Gravity, friction, and motion

Individual Science Fair projects

SOCIAL STUDIES

Medieval Europe: feudalism, nobility and role of the church, castles and towns, guilds, artwork, craftsmanship

Renaissance Europe: humanism, science and invention, famous personalities and artwork, perspective, monarchy, patrons of the arts, age of exploration, development of individual art portfolio

Shakespearean production

Research and report writing: research skills, note-taking, outlining, bibliography, and drafting

Geography: continents, oceans, land/water formations, Europe

Current events: *Time for Kids*

Open Circle

ART

All previous class content with the addition of:

Watercolor techniques

Introduction to calligraphy

One point perspective

3-D project: emphasis on construction

Weaving

Bookmaking

LIBRARY

Reading enjoyment

Using strategies and techniques of a good reader

Comprehension, retelling, inference and analysis

Reading for fact

Continued development of research skills

Using the online catalog

Media literacy

Curriculum support

MUSIC

Introduction of two and three part harmony

Choral rehearsals, emphasizing phrasing, dynamics and expressive singing

Introduction to musical theatre

Continued study of styles and history of world music through listening examples and research

Continued study of soprano recorder

Instrumental improvisation

Introduction to sight-singing

PHYSICAL EDUCATION

All previous class content with the addition of:

Inventive games

Increased social skill and fitness development through team athletics, practices and games

Understanding of sports components

Cooperative challenges and team building

Appreciation of competition

Interscholastic athletics

SPANISH

All previous class content with the addition of:

Increased integration of vocabulary and intuitive grammar structures to enhance communication

Read, listen to, and interpret simple stories and poems

Continue building knowledge of Spanish-speaking cultures

Move from intuitive grammar understanding to discovery of rules: conjugation of present tense, definite and indefinite articles

Observe authentic Spanish art and use language to express emotion

Study of Medieval Spain

TECHNOLOGY

All previous class content with the addition of:

Increased word processing/layout skills

Enhanced research using the Internet

Create and share a complex presentation using a variety of digital media

Robotics mini-unit: motorized catapults

WOODWORKING

Finishing aspects of woodworking stressed

Continued work with stains and polyurethane

grade five

LANGUAGE ARTS: READING

Literature with a focus on historical fiction and the Newbery Medal list

Narrative/Expository comprehension:

Literal, inferential and applied

Literary analysis:
Elements of story, figurative language, vocabulary, author's intent

Reading for Content: Identifying main idea, fact/opinion, relevant/irrelevant information, sequencing, summarizing

Shared reading:
Reading aloud, reading responses in discussion and writing

D.E.A.R.: Independent reading for pleasure

LANGUAGE ARTS: WRITING

Descriptive, expository, creative, journal, and report

Grammar: nouns, verbs, pronouns, adjectives, adverbs, prepositional phrases

Mechanics of writing: capitalization, punctuation, word usage, sentence structure

6 + 1 Traits: Ideas, Organization, Word Choice, Sentence Fluency, Voice, Conventions

Vocabulary: spelling and introduction to word derivations; *Vocabulary from Classic Roots*, vocabulary from literature

MATHEMATICS

Math in Focus: A Singapore Approach

Numbers to 10,000,000

Fractions and mixed numbers: all operations

Decimal/fraction conversion

Algebraic strategies

Ratio and proportion

Calculating percentage

Graphs and probability

Using angles measurement in problem solving

Properties of triangles

4-sided figures

3-dimensional shapes

Volume of cubes and prisms

SCIENCE

Biomes: Animal Research

Microscopes: sand study

Cells

Human body: the circulatory system

Human body: the respiratory system

Human body: the reproductive system

Robotics mini-unit: temperature and motion sensors

Individual Science Fair projects

SOCIAL STUDIES

American History: Introduction to Europeans in the Americas, Colonial period, Revolutionary War, Declaration of Independence, Constitution

Geography: states, capitals, major rivers of the U.S.

Use of a globe: continents, hemispheres, oceans

Introduction to the three branches of U.S. government

Stock market, types of economies

Current events: *Time for Kids/National Geographic for Kids*

Research Skills; bibliography, note-cards, outlines

Open Circle

ART

All previous class content with the addition of:

Emphasis on composition: positive/negative space; abstraction

Idea development

Printmaking

Emphasis on presentation

Pottery: combined techniques, review

Introduction to wheelwork

LIBRARY

Classroom and special subject teachers arrange for Library time and instruction on an as-needed basis to support class assignments and projects

MUSIC

Continued development of choral singing skills exploring additional two and three part harmony

Continued study of musical theatre

Continued study of styles, form and history of music through listening examples

Continued development of instrumental ensemble skills

Continued study of soprano recorder

Exploration of basic electronic keyboard and music reading skills through programs in computer technology

Continuation of sight-singing

Major and minor modes

PHYSICAL EDUCATION

All previous class content with the addition of:

Inventive games

Increased social skill and fitness development through team athletics, practices and games

Understanding of sports components

Cooperative challenges and team building

Appreciation of competition

Interscholastic athletics

SPANISH

All previous class content with the addition of:

Communication in target language becomes main focus

Increased integration of vocabulary and intuitive grammar structures to enhance communication

Continued discovery and application of formal Spanish grammar; conjugation of present tense (ar, er, ir), irregular verbs (ser, estar, tener)

Increased written and oral output: short presentations and essays

Intensive research project: ancient and modern Latin American cultures

Two-day immersion program

TECHNOLOGY

All previous class content with the addition of:

Increased multimedia production

Increased online safety discussions

WOODWORKING

Stress proper use of stains and polyurethane in finishing processes

Introduction to layout skills in conjunction with measuring skills

grade six

LANGUAGE ARTS: READING

Literature; primary/secondary sources; historical fiction

Application of reading strategies

Literary analysis: story form, figurative language, author's intent

Narrative/expository comprehension: literal, inferential and applied

Vocabulary development: root words, context clues, dictionary use

Shared reading: reading aloud, reading responses in discussion and writing

D.E.A.R.: Independent reading for pleasure

LANGUAGE ARTS: WRITING

Expository writing: persuasive essays, point of view, research, report writing, poetry analysis

Creative writing: narrative, descriptive, dialogue, five paragraph essay, personal narratives, poetry

Grammar: parts of speech, sentence structure

6 + 1 Traits: Ideas, Organization, Word Choice, Sentence Fluency, Voice, Conventions

Figurative language: simile, metaphor, personification

Vocabulary: spelling and introduction to word derivations; *Vocabulary from Classic Roots*, vocabulary from literature

LATIN

1st and 2nd declension nouns

Prepositions

Adverbs

Subject/verb agreement

Adjective formation

Expressions of place

Forming questions

Present, imperfect and future tenses of regular and irregular verbs

Direct and indirect objects

Predicate nominative/predicate accusative

Direct address

MATHEMATICS

Math in Focus: A Singapore Approach

Positive and negative integers

Rational numbers

Roots and exponents

Multiplying & dividing fractions and decimals

Ratios, rates, and percents

Algebraic expressions

Equations and inequalities

The coordinate plane

Introduction to statistics

Area of polygons

Circumference and area of circles

Volume and surface area

SCIENCE

Chemistry: physical and chemical changes, atoms, elements, compounds, acids, bases

Nutrition: the science of food

Structures and bridges

Individual Science Fair projects

SOCIAL STUDIES

Agrarian society/farming

Pre-Industrial age

Industrial Revolution: Workers on the Line

Overview of U.S. Immigration

Civil War era: 1850 to 1876

History of the civil rights movement

Facing History and Ourselves

Collaborative research project

History of intolerance in the U.S.

Mapping the World

Africa: regional, geography, history, people, and culture.

Current events: local, state, national, and world

ART

All previous class content with the addition of:

Choice-based art program

Emphasis on self-expression

Sketchbook exercises

Art production for theater

Artist research

Reflective writing

MUSIC

Continued development of choral singing skills exploring additional two and three part harmony

Continued study of musical theatre

Continued study of styles, form and history of music through listening examples

Continued development of instrumental ensemble skills

Continued study of soprano recorder

Exploration of basic electronic keyboard and music reading skills through programs in computer technology

Continuation of sight-singing

Sight-singing in multiple parts

PHYSICAL EDUCATION

All previous class content with the addition of:

Gymnastics and apparatus including vaulting

Inventive games

Increased social skill and fitness development through team athletics, practices and games

Understanding of sports components

Cooperative challenges and team building

Appreciation of competition

Interscholastic athletics

SPANISH

All previous class content with the addition of:

Communication in target language

Increased integration of vocabulary

Review of present tense, regular and irregular verbs, reflexive verbs, introduction to past tense and simple future, conditional tense

Increased written and oral output

Study of Spanish-speaking immigrants in U.S.

Produce a play with Reading Partners

Write a children's fairy tale

TECHNOLOGY

All previous class content with the addition of:

Individually-created student multimedia projects

Motorized robotic Lego construction and programming in NXT using NXT-6 language

LIBRARY

Classroom and special subject teachers arrange for Library time and instruction on an as-needed basis to support class assignments and projects

WOODWORKING

Learning to transform two-dimensional diagrams to three-dimensional structures

Self-designed projects

Advanced finishing techniques and projects

Knowledge of various types of wood from around the world

faculty and staff

Board of trustees

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Carliisa Haith (PM Asst.)

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