

**Linden Waldorf School
SIXTH GRADE CURRICULUM**

2014-2015

OVERVIEW

Main Lesson Block

- Rome
- Middle Ages
- World geography
- Physics
- Geology/Minerology
- Astronomy
- Business math
- Geometry

Music

- Choral music: songs of the Middle Ages
- Soprano and alto recorder
- Strings/Orchestra

Practical and Fine Arts

- Geometric drawing
- Painting
- Calligraphy
- Drama
- Woodwork
- Clay modeling
- Mosaics
- Soft-fiber sculpture

Movement/Spacial Dynamics™

- Introduction to zone sports
- Folk dancing
- Circus apprenticeship
- Eurythmy

Foreign Language

- Spanish: grammar, reading, free translations
- Exposure to Latin

Skills Class

- Math
- Language Arts

LANGUAGE ARTS SCOPE AND SEQUENCE

Listening and Speaking Skills: Listening skills will be given in 20 –to -45 minute presentations of stories, myths, legends and factual content taken from the history of Rome and the Middle Ages, the natural sciences, mathematics and literature. Students will demonstrate mastery in the following areas:

- Oral recall of the main sequence of the presentation after 24 hour interval
- Oral recall of the factual details of the presentation after 24 hour interval
- Oral recall of factual details over longer duration with appropriate accuracy
- Choral and individual recitation of poetry and prose dramatizations of at least five, but up to fifteen minutes duration.
- Ability to follow written and oral directions related to their main lesson work
- Ability to write dictations of varying lengths presented orally by the teacher. (M)

Spelling and Grammar Skills: Given source words students will be introduced to etymology as it pertains to spelling and meaning

Students will develop vocabulary lists each week of new words introduced through their academic classes, with an emphasis on Latin derivatives.

Given corrected compositions of their own and simple editing instructions, students will perfect their ability to proofread.

Given teacher and student generated weekly lists and spelling strategies, students will develop ones that will allow them to obtain 80% accuracy on tests.

Given rules for syllabication, students will master word syllabication.

Grammar skills will be mastered by presentations, reviews, and oral and written practice.

Students will write and edit samples containing the following:

- Simple declarative, interrogative, exclamatory and imperative sentences.
- Compound sentences with coordinate conjunctions and semi-colons
- Complex sentences with adjective phrases with restrictive and non-restrictive clauses
- Adverbs

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Adverbial phrases and clauses

- Subordinate conjunctions – with emphasis on if / then constructions
- Sentence structure as it relates to tense
- Punctuation
- Proper capitalization

Writing Skills: Writing skills will be developed through 20 to 45 minute oral curriculum content presentations. Students will continue to take dictation, but the majority of their content should be self-generated. Students should master the following:

- Recall of main sequence of the presentation after 24 hour interval
- Recall of factual details after 24 hour interval
- Recall of main sequence over longer duration with appropriate accuracy
- Recall of the factual details over longer duration with appropriate accuracy

Given topics from science and history, students will do research and then develop simple outlines emphasizing main ideas and supporting details. Students will then write a report, re-stating what they have read in their own words, utilizing note cards and citing their sources.

Given addresses and review of form, students will compose business letters and personal correspondence.

Students will write expositions from ideas generated in class that relate to the following of several sequential directions.

Given examples of biological sketches, the students will be able to generate writing in narrative form from material that they have heard or read.

Reading Skills: Students will read at least nine books over the sixth grade year, at least three of which will be in-class readers, and the rest of which will be assigned for at home reading, followed by comprehension questions.

Students will present oral reports and orally answer questions asked by the teacher from a book list of readings.

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Students will expand and develop reading comprehension, fluency and word recognition at sixth grade level or above through the following:

- Continued use of reference materials
- Reading and oral recall of reports written by the student and other classmates
- Showing an understanding of ideas presented
- Reading aloud in class a minimum of 20 minutes per week
- Appropriate rate

MATH SCOPE AND SEQUENCE

Mastery will be evaluated through:

- Class participation
- Board work
- Written exercises
- Tests and quizzes

Math Concepts with Computation (corresponding to the two Main Lesson Blocks)

Geometry: Given appropriate curriculum stories, the student will become familiar with the history of geometry and early earth measure. The student will practice everyday life problems and written exercises using the following geometric concepts:

- Review of names and shapes of basic geometric polygons
- Review of square measure for area, pictorially and arithmetically
- Review of computation of perimeters of polygons
- Review of computation of areas of rectangles and squares
- Introduction to computation of area of right triangles
- Introduction to geometric drawing with compass and straight edge
- Constructions of various polygons using different methods and materials
- Computation and construction of area, circumference, radius, diameter, angles, arcs, and chords of a circle
- Construction with the compass and straight edge of polygons, angles, perpendicular bi-sectors and parallel lines
- Introduction to both concepts and diagrams of parallel lines, corresponding angles, interior angles of a triangle, and quadrilaterals
- Ratio and proportion (review from 5th OR introduce early in fall in geometry main lesson)
- Congruence and similarity of figures

Business Mathematics: Given appropriate curriculum stories and practical examples that involve the four processes, the students will be introduced to **Percent, Formulas, and Graphs**, while developing applied business skills. Concepts and skills introduced include:

- Percentage
- Conversion of fractions to percentage and the reverse
- Introduction to double entry bookkeeping
- Formulas (ex. Interest formula)
- Concept and Calculation of simple interest
- Comparing simple interest and compound interest
- Cost, Mark-up, and Selling price
- Discount and Loss
- Profit, Commission, and Tax

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- Dividends and principal on checking and savings accounts
- Bills of various types
- Pie charts and Line graphs (also in the context of other main lesson blocks)

Math Concepts with Computation Skills (corresponding to Math Skills Class—grade 6)

Given appropriate review and practice, students will show mastery of the four processes (addition, subtraction, multiplication, and division) with whole numbers, fractions, and decimals. Additional topics and skills introduced or reviewed and deepened are:

- Decimal/fraction conversions and the reverse
- Repeating decimals
- Exponents and Roots
- Perfect squares and very simple introduction to estimating their square roots
- Divisibility, long division, and estimation
- Prime factorization
- Measurement (U.S. and metric systems)
- Order of arithmetic operations (PEMDAS)
- Unit cost, Rates, and Ratio
- Statistics (mean, median, mode, and range)
- Significant Digits
- Simple introduction to Exponential and Scientific notations (also during science blocks)
- Practice of new concepts and skills introduced in Main Lesson
- (optional) Puzzle problems
- (optional) Mental math & math tricks (casting out nines)
- (optional) Currency exchange rates

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MUSIC SCOPE AND SEQUENCE

Overview: In sixth grade, the students are turning 12 and with that are more able to reason. Lessons are more guided toward aesthetic appreciation. Through the study of Middle Ages, students learn about singing plain chant. The pure melodic lines, mostly sung in Latin, deeply meet the soul of the students. The study of acoustics in Physics can be expanded in the music class. Sixth grade students have music class once a week and choir twice a week. They also participate in orchestra twice a week.

Objectives:

- Plain chant and Gregorian chant are introduced. Students learn to sing and read it
- Acoustics during the Physics block
- Students join the Choir
- Folk Dances and Middle Ages dances are taught
- Students now begin playing all four recorders (soprano, alto, tenor and bass)
- Study Medieval vocal and instrumental music
- Music theory includes study of intervals, arpeggios, scales, chords
- Bass clef is introduced
- Improvisation turns into inventing melodies and writing them down
- Continued practice of melodic, rhythmic and interval dictation

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STRINGS SCOPE AND SEQUENCE

Objectives

- Scales: G, D, A, E, F & Bb Major, A & D minor- 1 & 2 octaves. Some students may play 3 octave scales.
- Students can read Level 2, 3 and sometimes 4, string orchestra music (usually from J.W. Pepper.com)
- Continue ensemble playing skills.
- Full-String orchestra arrangements including a double bass section - may include percussion occasionally.
- Pieces may have simple or complex harmonies.
- Students are given the opportunity to learn about reading a score and conducting.

Repertoire:

- May include pieces about Africa (Call of the Drums) , South America, pieces that have a Geometric or number scheme, music inspired by the heavenly bodies (Holst Planets arrangement)
- Music from the Renaissance, African-American folk tunes, Patriotic themes, Revolution or Music with bold themes and many dynamic contrasts, Music with a variety of meter, Music from the class plays (A midsummer Night's Dream - Mendelssohn arrangement)
- Eighth grade project, Orchestra Compositions or other student compositions: May include a good arrangement of a pop tune for an encore piece (Pirates of the Caribbean selections, Linus & Lucy-Guarardi)
- A variety of short chamber music pieces for small ensembles.
- Classes are mostly with all students but we also have sectionals, especially when preparing for playing tests.
- Students have playing tests, usually 4per year, which are usually short excerpts from the music we are learning.
 - Students are required to get help preparing from the private lesson teacher over a 3 week period and then they play the test with their stand partner.
 - Students either pass or they are asked to continue preparing the excerpt and play it again at another time in the near future.

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HANDWORK SCOPE AND SEQUENCE

The major crafts work in this grade is the design and construction of a soft fiber sculpture (doll). Students make first a doll head and then make a pattern for the body based on proportions of the head.

The students are introduced to different sewing stitches. They also follow patterns to make clothing for the dolls, including socks and shoes.

Sometimes students also learn card weaving and sew and embroider needle cases.

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WOODWORKING SCOPE AND SEQUENCE

In sixth grade, the students further explore the convex and concave shapes by carving a bowl. They begin by carving the interior of the bowl with a mallet and gouge and then replicate that same shape on the exterior. This year they are carving their bowls from gingko trees that were cut down on the campus.

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SPANISH SCOPE AND SEQUENCE

Overview: The sixth grade is a transitional grade for students. They learn to prepare for the serious academic work in the upper grades. They are expected to complete regular weekly homework assignments and prepare for quizzes and vocabulary tests.

Topics and Content

- Courtesy, phrases, greetings, goodbye
- Numbers: 1-10.000
- Human body
- Colors
- Clothing
- Musical Instruments
- Food
- School (beginning with classroom objects)
- The home and its parts
- The family
- Occupations and professions
- The seasons
- Months, weeks, days
- The date
- The clock, time
- Personal information
- Friends
- Likes and preferences
- Daily routines
- Nature and the environment
- Means of transportation

- Hispanic geography (Spain)
- History of Spain

Celebrations

- Christmas
- May 5th
- Epiphany
- Halloween (Noche de Brujas)
- Thanksgiving
- Columbus Day

Descriptions

- Physical: people, places, objects
- Climate, the weather
- Trips
- States of mind: a) personal b) the others
- Health
- Future plans

Personal Relations

- Friendship
- Actions
- Tongue-twisters
- Idiomatic expressions

Grammar Topic

1 = Introduction

2 = Practice and Application

3 = Review and Mastery

Article (3)

Gender (3)

Number (3)

Formation and use of contractions: al (a + el) m and del (de + el) m (1)

Nouns:

- Gender of nouns (2)
- Number (singular and plural) (2)
- Agreement in gender and number with articles (2)

Adjectives:

- Adjectives of quality (3)
- Demonstrative adjectives (1)
- Possessive adjectives (2)
- Numbers (3)
- Agreement in gender and number with article and noun (3)
- Positions of adjectives (2)

Pronouns:

- Personal (2)
- Reflexive (1)
- Direct object (1)
- Indirect object (1)

Verbs

- Regular, present tense (2)
- Irregular, present : ser, tener , and gustar construction (2)
- Estar (2)
- Ser y estar (2)
- Querer, poder, ir (2)
- Conjunctions:
- y , con , pero (2)

Preposiciones:

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- a , para ,por, en , con , de (2)

Adverbs:

- Of place: aquí, allá, izquierda, derecha, arriba, abajo (2)
- Of time: ayer, hoy, ahora, mañana. (2)
- Of quantity: mucho, poco muy (2)
- Of negation and affirmation (2)
- Shortening of certain adverbs (2)

Interrogatives:

- Qué , cómo , dónde , adónde , cuánto , quién , quiénes , cuál , cuáles, por qué. (3)

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Methods

Little Emphasis (1)

Emphasis (2)

Great Emphasis (3)

Poetry and recitations (3)

Songs (2)

Speech exercises (3)

Rhythmical gestures (1)

Commands and orders (3)

Games with dialogues (1)

Games movements (1)

Hand painted illustrations (3)

Artistic printed illustrations (3)

Descriptions (3)

Picture dictations (3)

Scenes from nature

Recapitulation of stories (oral) (3)

Children's stories (oral) . Legends (3)

Prose (reading) (3)

Prose (writing) (3)

Biographies (writing) (2)

Grammatical rules (writing) (3)

Readers (3)

Literary passages (2)

Conversations and dialogues (3)