



PRE-SCHOOL K1 Course of Study

LANGUAGE ARTS

Reading Readiness

- Recognizes first name
- Recognizes first sound of name
- Recalls parts of a story
- Participates in group reading
- Enjoys looking at books

Writing

- Traces first name
- Shows appropriate level of eye-hand coordination

English Language Skills

- Follows simple instructions
- Repeats poems, songs, rhymes
- Recalls monthly vocabulary words
- Understands simple phrases / questions

MATHEMATICS

- Names and identifies numbers to 5
- Understands one to one correspondence
- Names and identifies colors
- Names and identifies shapes
- Counts orally to 5
- Classifies objects using size, shape, color and number
- Copies simple patterns
- Traces numbers 1-5

PERSONAL AND SOCIAL DEVELOPMENT

- Begins to understand there are school rules
- Follows school rules
- Persists at a task for 5 minutes
- Plays and respects the rights of others
- Recognizes feeling and manages them appropriately
- Helps clean up after work or play
- Demonstrates a positive attitude towards learning
- Begins to make choices
- Takes turns
- Tries new things



SELF HELP / INDEPENDENCE

- Washes hands
- Hangs up jacket / takes care of belongings
- Separates easily from parents
- Can feed self independently
- Expresses needs and wants

PHYSICAL EDUCATION AND HEALTH

- Demonstrates appropriate gross motor skills
- Actively participates in physical activities
- Displays balance skills
- Demonstrates eye-hand coordinator skills



K2 Course of Study

LANGUAGE ARTS

Reading Readiness

- Produces letter / sound correspondence for most letters
- Identifies beginning sounds
- Predicts and recalls beginning and ending of a story
- Follows top-to-bottom and left-to-right progression

Writing

- Traces / Copies / Writes first name
- Copies most of the upper case letters

English Language Skills

- Follows 2-3 simple instructions
- Names Colors
- Repeats poems, songs, rhymes
- Recalls vocabulary words for each letter
- Uses simple phrases to express needs

MATHEMATICS

- Recognizes numbers to 10
- One to one correspondence
- Identifies shapes
- Counts orally to 12
- Classifies objects using 2 attributes
- Copies and extends simple patterns
- Traces / copies / writes numbers to 5
- Understands "more" or "less"

PERSONAL AND SOCIAL DEVELOPMENT

- Follows school rules
- Persists at a task for 10 minutes
- Plays and respects the rights of others
- Expresses feelings
- Cleans up after play or work
- Demonstrates a positive attitude towards learning
- Makes decisions with limited choices
- Waits for turn to speak, act, etc.



SELF HELP / INDEPENDENCE SKILLS

- Demonstrates increasing independence

PHYSICAL EDUCATION

- Demonstrates appropriate gross motor skills
- Actively participates in physical activities
- Displays balance skills
- Demonstrates coordination skills



K3 Course of Study

LANGUAGE ARTS

Reading Readiness

- Knows letter / sound correspondence for all letters
- Begins to sound out simple short words
- Recalls beginning, middle and ending of a story
- Recalls letter names

Writing

- Writes first name using upper and lower case letters
- Writes upper case letters
- Writes lower case letters

English Language Skills

- Follows multiple oral directions
- Names colors, repeats poems, songs, rhymes
- Recalls and uses vocabulary words
- Uses simple phrases to express needs

MATHEMATICS

- Prints numbers to 10
- Groups objects to 10
- Recognizes numbers to 15
- Counts orally to 20
- Identifies 2D shapes
- Identifies 3D shapes
- Classifies objects using 1 or 2 attributes
- Copies, extends and creates patterns
- Understands simple addition

PERSONAL AND SOCIAL DEVELOPMENT

- Follows school rules
- Persists at a task for an increasing amount of time
- Plays and respects the rights of others
- Recognizes the feelings of others and responds appropriately
- Cleans up after play or work
- Demonstrates a positive attitude towards learning

SELF HELP / INDEPENDENCE SKILLS

- Demonstrates increasing independence



PHYSICAL EDUCATION

- Demonstrates appropriate gross motor skills
- Actively participates in physical activities
- Displays balance skills
- Demonstrates coordination skills

ELEMENTARY SCHOOL Pre-first Course of Study

ENGLISH LANGUAGE ARTS

Writing

- Communicates a complete thought through writing
- Draws pictures as a pre-writing strategy
- Writes a complete sentence about one idea
- Uses prefirst Word Wall vocabulary in writing
- Uses appropriate inventive spelling
- Participates in shared writing to produce, Cards, Stories and Messages
- Writes about one idea using two to three sentences
- Communicates feelings about a topic through pictures
- Writes from left to right and top to bottom
- Uses upper and lowercase letters of the alphabet correctly
- Edits for spaces between words, simple punctuation (periods), and beginning capitalization

Reading

- Tracks a simple pattern book using finger or other tracking aide
- Uses pictures and context clues to identify unknown words and meanings
- Gives the details of what picture is in their head when listening to a story
- Recognizes letter/sound relationships in beginning an ending consonants
- Recognizes short vowel sounds
- Reads environmental print words
- Reads high frequency words at the Prefirst level
- Imitates the rhythm of speech at the emergent oral reading level
- Demonstrate reading fluency-automaticity with 60 and above wpm by end of year.
- Re-tells a simple narrative in sequence (beginning, middle, end)
- Talks about how a picture book and a fairy tale are the same and different
- Makes connections between their own experiences and those of story book characters
- Identifies favorite books and tells why they enjoy a particular book
- Reads written directions



- Reads environmental print
- Reads simple informational books
- Re-tells what they learned from an informational text
- Participates in discussion about informational text read to them

Listening

- Practices active listening (e.g. when seeking information, for enjoyment, to learn what happened in a story, to converse with an adult or peer)
- Listens and responds to others in a variety of contexts (e.g pays attention to the speaker, takes turns speaking in a group, participates in school assemblies and gatherings)

Speaking

- Communicates needs to peers and adults
- Requests information from a speaker in class
- Tells stories based on personal experience or make-believe
- Responds appropriately to familiar questions
- Can give simple one-step directions Science

SCIENCE

- Knows that short term weather conditions can change daily and weather patterns change over the seasons
- Knows that water can be a liquid or a solid and can be made to change from one form to another, but the amount of water stays the same
- Knows that the Earth's materials consist of solid rocks, soils, liquid water, and the gases of the atmosphere
- Knows the basic patterns of the sun and moon
- Knows that the stars are innumerable
- Knows that plants and animals closely resemble their parents
- Knows the basic needs of plants and animals
- Knows that plants and animals have features that help them live in different environments
- Knows that plants and animals need certain resources for energy and growth
- Knows that living things are found almost everywhere in the world and that distinct environments support the life of different types of plants and animals
- Knows that some kinds of organisms that once lived on earth have completely disappeared
- Knows that different objects are made of many different types of materials
- Knows that things can be done to change the properties of materials
- Knows that the sun supplies heat and light to earth
- Knows that magnets can be used to make things move without being touched



- Knows that things near the earth fall to the ground unless something holds them up
- Understands that scientific investigations generally work the same way in different places and normally produce results that can be duplicated.
- Knows that learning can come from careful observation and simple experiments
- Knows that tools can be used to gather information and extend the senses

SOCIAL STUDIES

- Is able to distinguish length in terms of days, weeks, months, years
- Is able to relate personal events of the past, present and future
- Can give some reasons why people change places to live
- Understands people are both alike and different from one another in different regions of the world
- Understands different elements of community life:
 - the interdependence of family, school, and the community
 - the common methods of transportation and communication
 - Can name key dates and figures and their importance
- Recognizes:
 - the American flag and its colors and shapes
 - the melody of the national anthem
 - key holidays
 - some important historical figures
- Can match descriptions of work to the names of jobs in the school and local community
- Can give examples of services that people do for each other
- Realizes the importance of learning about their ancestors
- Illustrates personal history on a pictorial time line
- Illustrates family history on a family tree
- Discusses the need for rules in the family, school, and community with an understanding of both positive and negative consequences
- Identifies privileges as benefits which can be granted or taken away (e.g., being first in line, attending a field trip, extended recess time)
- Displays good citizenship in classroom behaviors:
 - taking personal responsibility
 - cooperating and respecting others
 - taking turns and sharing
 - working with others to solve problems



MATHEMATICS

- Uses pictures to represent problems
- Uses concrete materials to represent and solve whole number problems
- Applies the operations of addition and subtraction of whole numbers to real world problems
- Applies the 'make a reasonable estimate' strategy to whole number word problems involving single and double digit numbers

- Uses discussions with teachers and other students to understand problems
- Understand mathematical information presented and obtained in a variety of ways and will accurately and clearly present and justify mathematical ideas in diverse formats.
- Select and use a wide variety of tools and technology to support and validate mathematical results, when appropriate.
- Demonstrates number sense for whole numbers, using concrete objects in a variety of situations
- Demonstrates an understanding of whole numbers with a special emphasis on place value and recognizes, applies, and explains the concepts of properties as they relate to whole numbers in a variety of situations
- Develops and uses strategies for whole-number computations, with a focus on addition and subtraction
- Develops fluency with basic number combinations for addition and subtraction
- Demonstrates understanding of the Order Property
- Demonstrates ability to estimate quantities to more than/less than 10, 50, 100
- Understands the basic measures of length, width, height, weight, and temperature
- Understands the concept of time and how it is measured
- Understands how to sort and classify concrete objects according to one or more attributes.
- Recognizes, describes, extends, and creates a wide variety of patterns
- Understands and applies basic and advanced properties of the concepts of geometry
- Understands the common language of spatial sense
- Recognizes geometric shapes and their attributes using concrete objects in a variety of situations
- Understands that geometric shapes are useful for representing and describing real world situations
- Understands that observations about objects or events can be organized and displayed in simple graphs
- Demonstrates how to use and read simple graphs
- Understands that some events are more likely to happen than others



1st Grade Course of Study

ENGLISH LANGUAGE ARTS

Writing

- Writes several complete sentences about one idea
- Brainstorms as a prewriting strategy
- Edits for beginning capitalization and capitalization of proper nouns
- Edits for correct spelling of Word Wall vocabulary
- Writes several sentences about one idea
- Participates in shared and independent writing to produce:
 - Informational pieces
 - Personal experience narratives
 - Responses to literature

- Uses short, simplistic sentences to describe an object, event or place
- Writes a detailed description
- Writes about one idea using several sentences
- Capitalizes correctly (e.g first word in a sentence, first names, the pronoun "I")
- Identifies when a group of words is not a sentence
- Uses a sound-aloud method to write words having:
 - Digraphs sh, th, wh, ch, tch
 - Final ending ing, ed
- Writes and identifies singular and plural nouns formed by adding –s
- Understands proper use of nouns, verbs, and adjectives
- Actively participates in large and small group discussions to choose topics of interest for class research
- Shares knowledge about a topic citing: Pictures, Videos and Television programs

Reading

- Tracks with their eyes while reading rather than using aides or finger
- Recognizes long vowel –a, long vowel –I (CVCe) words
- Recognizes, pronounces and comprehends simple contractions
- Recognizes word-order determines meaning in a sentence and asks: "Does that sound right?"
- Reads high frequency words from the first grade word list
- Re-reads all or parts of a written piece to clarify meaning
- Demonstrate reading fluency-automaticity with **75 and above wpm** by end of year.
- Can tell how a nursery rhyme is different from a fairy tale
- Distinguishes between fiction and non-fiction, real and make believe
- Locates and discusses the title, author, and illustrator
- Identifies the setting, characters and main events in a story
- Reads simple informational books



Listening

- Completes a task involving directions given orally
- Responds appropriately to personal interview questions

Speaking

- Uses familiar classroom vocabulary and oral language structures in conversations with teacher and peers
- Presents ideas in speech in a coherent sequence
- Responds to others in a variety of contexts
- Takes turns speaking in a group
- Asks questions of a guest speaker
- Participates in school assemblies and gatherings
- Responds appropriately to personal interview questions

SCIENCE

- Knows basic patterns of the sun and moon (the sun appears everyday and the moon appears sometimes during the day)
- Knows that the stars are innumerable, unevenly dispersed and of unequal brightness
- Knows that in science it is helpful to work with a team and share findings with others
- Knows that scientific investigations generally work the same way in different places and normally produce results that can be duplicated
- Knows that learning can come from careful observation and simple experiments
- Knows that tools can be used to gather information and extend the senses.
- Knows that short term weather conditions can change daily and weather patterns change over the seasons
- Knows that water can be a liquid or a solid and can be made to change from one form to another, but the amount of water stays the same
- Knows that Earth materials consist of solid rocks, soils, liquid water, and the gases of the atmosphere
- Knows that different objects are made of many different types of materials
- Knows that things can be done to change the properties of materials
- Knows that the sun supplies heat and light to earth
- Knows that magnets can be used to make things move without being touched
- Knows that things near the earth fall to the ground unless something holds them up
- Knows that plants and animals closely resemble their parents
- Knows that differences exist between individuals of the same kind of plant or animal
- Knows the basic needs of plants and animals (air, water, nutrients, light or food, shelter)
- Knows that plants and animals have features that help them live in different environments
- Knows that plants and animals need certain resources for energy and growth



- Knows that living things are found almost everywhere in the world and that distinct environments support the life of different types of plants and animals
- Knows that some kinds of organisms that once lived on earth have completely disappeared
- Knows that plants and animals closely resemble their parents
- Knows that differences exist between individuals of the same kind of plant or animal
- Knows that some kinds of organisms that once lived on earth have completely disappeared

SOCIAL STUDIES

- Identifies temporal sequences such as days, weeks, months, years and seasons
- Use correctly words and phrases related to time (now, in the past, in the future)
- Recognizes the existence of changing historical periods (other times, other places)
- Demonstrates an understanding of their own personal and family history
- Demonstrates ability to use a simple map
- Demonstrates ability to use a globe
- Demonstrates an understanding of different businesses in the community and the idea of work
- Recognizes key, symbols and icons of US history
- Understands that heroes/heroines had a significant role in shaping Mexican history
- Demonstrates an understanding of how individuals, families and communities live and work together across the world
- Demonstrates knowledge of some key figures and dates in Mexican history
- Demonstrates historical empathy
- Understands that people migrate
- Understands the rule of law as it applies to individuals; family; school; local, state and national governments
- Identifies and examines the rights, privileges, and responsibilities in becoming an active civic participant
- Demonstrates an understanding of good citizenship

MATHEMATICS

- Introduction to punctuation and capitalization
- Manuscript handwriting
- Handling books
- Develops number sense for whole numbers through 999
- Demonstrate an understanding of place value to 999
- Uses discussions with teachers and other students to understand problems
- Demonstrates an understanding of simple fractions
- Illustrates general principles and properties of operations, such as commutative, using specific numbers
- Uses number sense to estimate and justify the reasonableness of solutions to problems involving whole numbers, including fractions
- Develops and uses strategies for whole-number computations (single and two-digit), with a focus on addition and subtraction



- Develops fluency with basic number combinations for addition and subtraction
- Understands the basic measures of length, width, height, weight, simple volume and temperature
- Understands the concept of time and how it is measured
- Understands how to sort and classify concrete objects according to one or more attributes
- Recognizes, describes, extends and creates a wide variety of patterns
- Recognizes geometric shapes and their attributes using concrete objects in a variety of situations
- Understands that geometric shapes are useful for representing and describing real world situations
- Understands that observations about objects or events can be organized and displayed in simple graphs
- Demonstrates how to use and read simple graphs
- Understand that some events are more likely to happen than others
- Understands probability of combinations

2nd Grade Course of Study

LANGUAGE ARTS

Writing

- Write original text using writing process (e.g. prewriting, drafting, revising, editing, and publishing)
- Use prewriting tools such as semantic webs and timelines to organize ideas and information.
- Write sentences with ideas in logical order.
- State main idea and provides some supporting details.
- Use capitalization, punctuation and spelling rules to produce final products.
- Write a variety of compositions using different organizational patterns (e.g. informational reports compare and contrast, imaginative stories, letters and narratives).
- Write in response to the reading of imaginative and informational texts.
- Attempts to write using different formality of language depending on the given audience
- Writes for a variety of genres, including:
 - Descriptive
 - Informative
 - Narrative
- Writes a story with a beginning, middle and end
- Writes composition to convey basic ideas
- Use simple transitions such as first, second, third, then, next and finally.
- Spell correctly previously studied words in writing (e.g. grade level multisyllabic, decodable words, irregularly spelled content and high frequency words) in writing
- Use spelling patterns in writing (e.g. word families).
- Represent all the sounds in a word when spelling independently.
- Edit written work to reflect appropriate and effective grammar (e.g., verb tense, pronoun, proper nouns, correct use of punctuation and capitalization).



- Write simple sentences with correct subject, verb and object agreement.
- Write legibly all upper and lower case letters with correct spacing between individual words.
- Demonstrates proper use of nouns, verbs and adjectives.
- Use at least two sources of information in report writing.
- Takes notes from board by following teacher direction.
- Uses graphic organizers to organize topic and information
- Support ideas with examples from a text.
- Develops appropriate questions about topic of interest
- Select literary texts on the basis of personal needs and interests and read silently for enjoyment for extended periods of time.
- Read aloud and silently from a variety of genres (e.g., poems, short stories and plays)
- Use the dictionary as a tool for reading.
- Demonstrate reading fluency-automaticity with **90 and above wpm** by end of year.
- Identify and produce all letter – sound correspondences, including consonant blends/digraphs and vowel digraphs/ diphthongs
- Blend sounds using knowledge of letter-sound correspondences in order to decode unfamiliar, but decodable multisyllabic grade level words.
- Decode by analogy using knowledge of know words in word families to read unfamiliar grade level words (e.g. given the known word “boat”, the child can read coat, moat, goat)
- Decode grade level words using knowledge of word structure (e.g., roots, prefixes, suffixes, verb endings, plurals, contractions, and compounds)
- Check accuracy of decoding using context to monitor and self correct.
- Sight read automatically grade level, common, high frequency words
- Sight read automatically grade level texts with decodable and irregularly spelled words at appropriate speed, accuracy and expression.
- Connect words and ideas in books to spoken language vocabulary and background knowledge.
- Learn new words indirectly from reading books and other print resources.

Reading

- Read grade level texts with comprehension and for different purposes.
- Use comprehension strategies to monitor own reading (predict, reread, self correct) to clarify meaning of text.
- Compare and contrast similarities and differences among characters, setting and events across stories.
- Compare and contrast similarities and differences and characteristics of different genres (fairy tales, folk tales, and short stories).
- Demonstrate comprehension of grade level text through creative response, such as writing, drama, describing sequence of events and oral presentation.
- Comprehend and interpret information from a variety of graphic displays including diagrams, charts, and graphs



- Summarize and discusses main ideas, character traits, author's purpose, supporting details, from a variety of texts both orally and in writing.
- Reads voluntarily for own purposes and interests and can relate stories to personal experiences.
- Shows familiarity with the title, author and illustrator of grade level books
- Identify data, facts, and ideas taken from maps, graphs, charts and other sources.
- Compare and Contrast similarities and differences in information from one or more informational text.
- Asks questions when listening to or reading informational texts
- Knows the difference between fact and opinion
- Summarize main ideas, supporting details and from informational text both orally and in writing
- Participates in discussion about grade level informational texts, integrating multiple strategies (ask questions, clarify misunderstandings, support point of view, and summarize information)

Listening and Speaking

- Identify essential details for note taking.
- Listen attentively for different purposes.
- Listen respectfully without interrupting when others are speaking.
- Attend to a listening activity for a specified period of time.
- Respects the speaker by not interrupting
- Listen attentively to the spoken language, including grade level books read aloud.
- Follows simple two step directions when given orally
- Present reports/presentations of two to three minutes for teachers, and peers on topics related to any school subject.
- Use grade level vocabulary to communicate ideas, emotions, or experiences for different purposes, (share ideas about personal experiences, books, writing).
- Use conventional grammar in own speech
- Take turns in conversation and responds respectfully when speaking in a group

SOCIAL STUDIES

- Holidays and festivals
- Patriotic celebrations
- Communities in other lands: past and present
- Family and family history
- Families around the world
- Neighborhoods
- Community services and helpers
- Shelters, stores, and food
- Citizenship and social responsibility
- Interdependence of people
- Basic geography: oceans, continents



- Map skills

SCIENCE

- Useful and harmful animals
- Life cycle
- Birds and insects in winter
- Animal babies
- Animal defense of themselves and their young
- Plant and animal food
- Dinosaurs and other extinct animals
- Food chain
- Plant reproduction and growth
- Habitats and homes
- Weather and its effects on earth
- Effects of the seasons on the lives of people, animals, and plants
- Climate
- Water cycle
- Air and atmosphere
- Magnets and forces
- Gravity
- Earth and sky
- Sun, moon, planets
- Simple constellations
- Exploring space
- Scientific method and scientific inquiry

MATHEMATICS

- Counting, reading, writing to 1,000
- Counting by 2's, 3's, 4's, 5's, and 10's
- Ordinal numbers to 10
- Zero as a place holder
- Using sets and number facts
- Addition and subtraction facts to 20
- Basic multiplication and division facts
- Multiplication and division facts as inverse operations
- Multiplication properties of 0 and 1
- Place value through 100's
- Fractions in daily life
- Decimal numeration system



- Basic concept of ratio
- Geometry puzzles and activities
- Estimation
- Common customary and metric measures of time, weight, length, volume, shape, temperature
- Telling time and using the calendar
- Handling money (coins)
- Problem solving
- Charts and graphs

3rd Grade Course of Study

LANGUAGE ARTS

Writing

- Chooses from among various prewriting options to fit their individual style: brainstorming, listing, webbing/clustering, sketching, and working in pairs or in cooperative groups
- Uses a variety of strategies to draft and revise written work.
- Develops one clear main ideas with details and support
- Applies criteria generated rubrics with support
- Uses word wall vocabulary in writing
- Edits for grammar of present tense and simple past tense, punctuation including commas, and capitalization including proper nouns
- Proofreads for clarity, word choice, and language usage
- Writes a narrative piece that includes clearly defined characters, a well described setting, and a plot with a problem and resolution.
- Demonstrate the ability to write in a variety of genres, including:
 - Persuasive (introduced in Gr. 5)
 - Expository (introduced in Gr. 4)
 - Narrative (introduced Gr. 2/3)
 - Descriptive (introduced in Gr. Pre-1st/1)
- Uses a variety of sentence structure in writing (e.g., expands basic sentence patterns, uses exclamatory and interrogative sentences).
- Uses descriptive language that clarifies and enhances ideas
- Recognizes a paragraph as a group of sentences about one main idea
- Students will write with a command of informal and formal English
- Writes using print or cursive letters
- Uses nouns and pronouns in written compositions and applies singular and plural rules, as well as common and proper nouns.
- Uses action verbs in written compositions (regular past and present tense)
- Uses modifiers in written compositions
- Uses prepositions and coordinating conjunctions in written compositions with growing competency
- Uses conventions of spelling in written compositions and spells high frequency words and Word Wall words correctly.



- Uses conventions of capitalization in written compositions by capitalizing titles of people, proper nouns [names of towns, cities, states, countries, continents; days of the week; months of the year; holidays]
- Uses conventions of punctuation in written compositions (e.g. using periods after imperative sentences and in initials, abbreviations, and titles before names, Using commas in dates and addresses and after greetings, using apostrophes in contractions and possessive nouns, using quotation marks around titles and when writing dialogue, and using a colon between hour and minutes)
- Uses a variety of strategies to plan research like identifying possible topics, organizing prior knowledge about a topic, with guidance, and developing a plan to include how to locate necessary information, with guidance
- Uses a variety of resource materials to gather information for research topics such as encyclopedias, dictionaries, or electronic media sources
- Uses strategies to compile information into written reports or summaries
- Uses supportive methods to cite and document reference sources

Reading

- Establishes a purpose for reading e.g. -to understand, to get information, to enjoy or to answer a specific question
- Monitors own reading strategies and makes modifications as needed like pausing and rereading the text to clarify meaning.
- Understands the author's purpose by identifying the point of view being presented
- Uses a variety of reading strategies to comprehend a text like context clues, and making predictions
- Uses phonetic and structural analysis techniques, syntactic structure, and semantic context to decode unknown words
- Demonstrate reading fluency-automaticity with 100 or more wpm by the end of the year.
- Recognizes high frequency words and word wall words and spells them accurately.
- Is able to re-tell a narrative in sequence (beginning, middle and end)
- Explains how the basic characteristics of familiar genres are different (e.g. how a fairy tale and an informational book are different)
- Makes connections between their own experiences and those of storybook characters
- Identifies favorite books, tells why they enjoy a particular book, and reads expressively with appropriate pace, phrasing, intonation, and rhythm of speech
- Uses picture clues, text, or prior knowledge to determine if a text is real or make-believe
- Interprets the title, setting, characters, main events and author's purpose in a story
- Applies grade level reading skills and strategies to understand a variety of informational texts
- Seeks out non-fiction materials for enjoyment and information
- Summarizes information found in texts independently
- Relates new information to prior knowledge and experience by participating in discussions about informational texts read independently



Listening

- Pays attention carefully to person speaking and comprehends message
- Asks a clarification questions while listening
- Follows complex directions

Speaking

- Speaks in English to the teacher and to peers during group activities
- Tells stories based on others' experiences
- Asks questions to obtain information with correct word order and intonation
- Responds appropriately to complex questions
- Verbalizes directions in a play or work situation

SOCIAL STUDIES

- Demonstrates an understanding of how individuals, families, and communities live and work together here and across the world.
- Demonstrates ability to use a map
- Demonstrates ability to use a globe
- Understands the rule of law as it applies to individuals, family, school, local, state and national governments
- Demonstrates an understanding of good citizenship
- Demonstrates an awareness of government and its responsibilities at the local, state, and national level

SCIENCE

- What are minerals and rocks
- How rocks form.
- Forces that shape the land
- What are landforms
- What are slow and rapid landform changes
- What are properties of matter
- How matter is measured.
- Plants and animals of the desert
- Plants and animals of the sea
- Common birds, trees, flowers
- Forest plants
- Conservation of plants and animals
- Weather and climate
- What are physical changes
- What are chemical changes
- How thermal energy moves.
- How temperature is measured.



- How light behaves.
- How light and color are related.
- How forces cause motion.
- Earth's changing surface
- Magnets and electricity
- Compass
- Gravity
- Light and color
- Energy and its sources
- What is work
- What are simple machines
- Force and work
- Moon and stars
- Earth satellites
- Scientific method and scientific inquiry
- What are ecosystems
- What are forest, desert, and water ecosystems

MATHEMATICS

- Reading and writing numbers to 5 places
- Beginning Roman numerals
- Rounding numbers
- Positive and negative numbers in daily life
- Simple fractions and equivalents
- Properties of one
- Numeration systems
- Addition and subtraction facts to 25
- Multiplication and division facts to 100
- Perimeter, area, volume
- Geometric constructions
- Similar and congruent figures
- Properties of solid figures
- Customary and metric measurement
- Time to 1- and 5-minute measures
- Estimation of outcomes
- Problems-solving analysis
- Word problems
- Charts and graphs



4th Grade Course of Study

LANGUAGE ARTS

Writing

- Uses listing and character sketches effectively as pre-writing strategies
- Rethinks and rewrites for different audiences and purposes
- Peer edits and works with teacher to revise drafts
- Applies criteria generated rubrics independently
- Fits writing style to the intended purpose of entertaining, informing or persuading, with guidance
- Writes journal entries or creates character maps in response to literature.
- Writes a persuasive piece containing logical organization, a specified audience, and relevant information
- Demonstrate the ability to write in a variety of genres, including:
 - Persuasive (introduced in Gr. 5)
 - Expository (introduced in Gr. 4)
 - Narrative (introduced Gr. 2/3)
 - Descriptive (introduced in Gr. Pre-1st/1)

- Varies sentence structures, lengths and types
- Establishes tone and mood
- Writes two or more related paragraphs
- Substitutes pronouns for nouns and is able to form regular and irregular plurals of nouns
- Writes using simple tenses of irregular verbs
- Uses adjectives appropriately in written compositions
- Knows basic prepositions for location (in, out, over, under, on)
- Spells high-frequency, commonly misspelled words from appropriate grade-level list and uses a dictionary and other resources to spell words
- Uses contractions, compounds, roots, suffixes, prefixes, and syllable constructions to spell words
- Capitalizes the first word of every direct quotation
- Uses colons and semi-colons appropriately
- Correctly spell words within own writing that have been previously studied and/or frequently used (4th grade list)
- Uses legible print and/or cursive writing
- Draws simple conclusions from results of the research used
- Uses appropriate visual aids and media to present findings
- Quotes information sources, with guidance
- Lists resources used by author, title and year
- Takes notes with guidance
- States main idea
- Writes a one paragraph summary based on information researched
- Cites and documents reference sources independently.



Reading

- Student reads text in search of answers to teacher-supplied or self-generated questions.
- Identifies the reason for a piece (to persuade, to inform, to entertain)
- Re-reads, self corrects, and uses context in order to clarify understanding.
- Gives a reasonable prediction of an unknown word combining phonetic, syntactic and semantic clues simultaneously
- Demonstrate reading fluency-automaticity with 110 or more wpm by the end of the year.
- Recognize at sight a large body of high frequency words and regularly spelled content vocabulary
- Monitors comprehension by using reading strategies (decoding, semantic, syntactic clues) in a variety of ways
- Reads expressively with appropriate pace, phrasing, intonation and rhythm of speech
- Uses prior knowledge, content, and text features to make, revise, and confirm predictions
- Generates and responds logically to literal, inferential and critical thinking questions before, during and after reading the text
- Describes characters' physical traits and feelings and identify the way in which a character can change throughout a story
- Recalls the main idea
- Compare and contrast information on one topic from one source
- Read to collect data and facts from one source
- Adjusts reading strategies to understand content textbooks, science procedures, news stories, etc
- Uses prior knowledge, content, and text features to make, revise, and confirm predictions
- Uses table of contents, glossary, headings, and graphics to locate information

Listening

- Listens for relevant and irrelevant details from a text read aloud or from a video viewing
- Summarizes and paraphrases spoken ideas heard through lecture, video, music, plays, or class presentations by peers
- Respects the speaker
- Follows instructions that provide information about a task or assignment

Speaking

- Is clearly understood when speaking in English
- Speaks to suit purpose and audience
- Incorporate visual aids or props in presentations
- Varies verbal techniques: tone of voice, pacing, and volume
- Uses non-verbal cues of eye contact, and facial expressions when speaking informally
- Expresses opinions and viewpoints orally
- Speaks with expression, volume, pace and gestures



SOCIAL STUDIES

Civics

- Discusses the need for rules laws in the community, state and nation with an understanding of both positive and negative consequences
- Identifies privileges as benefits as citizen of Mexico which can be granted or taken away
- Displays good citizenship in classroom behaviors:
 - Taking personal responsibility
 - Cooperating and respecting others
 - Taking turns and sharing
 - Working with others to solve problems

- Gives a profile of what a good citizen of Mexico would look like
- Knows the principle responsibilities of:
 - The municipal government
 - The state government
 - The national government

- Can explain the process of voting and elections in Mexico and the USA
- Can explain who is responsible for law-making and law-enforcing in Mexico (SEP)
- Can explain who is responsible for law-making and law-enforcing in the USA system
- Can name the benefits and responsibilities of being a citizen in Mexico (SEP)
- Displays good citizenship in classroom behaviors:
 - Taking personal responsibility
 - Cooperating and respecting others
 - Taking turns and sharing
 - Working with others to solve problems
- Gives a profile of what a good citizen of the world would look like
- Knows the principle responsibilities of:
 - The municipal government
 - The state government
 - The national government

- Can name the three branches of government in the USA system
- Can give one characteristic of each branch:
 - Legislative
 - Judicial
 - Executive



Geography

- Can indicate lines of longitude and latitude on a map (SEP)
- Can locate geographic features (e.g., oceans, mountains, rivers, lakes)
- Can indicate the continents and several countries on a world map
- Indicates the continents and several countries on a globe
- Can locate key cities/states of Mexico and the USA
- Can indicate lines of longitude and latitude on a map (SEP)
- Recognizes and can give a description of the following:
 - Mountain range
 - Coastline
 - River
 - Lake
 - Island
 - Ocean
 - Jungle
 - Forest

- Is able to contrast life due to climate in:
 - Regions of Mexico
 - Regions of the USA
 - Between Mexico and USA

- Uses a map to:
 - illustrates patterns of migration and trade during the period of westward expansion, including the Santa Fe and the Oregon trails
 - identifies the routes of various sea and land expeditions to the New World and matches these to the territories claimed by different nations—including the Spanish dominance in South America and the French, Dutch, and English exploration in North America

- Compares maps of early civilizations with modern maps of the same area
- Can locate various regions of Mexico according to a geographical feature(SEP)
- Can locate various regions of the USA according to a geographical feature
- Is aware that the geography of the USA and Mexico has changed over time

- Can locate key information from charts, globes and maps concerning:
 - Population
 - Distance
 - Location
 - Resources
 - Battles



History

- Explains how Mexico is made up of diverse ethnic groups (SEP) and how the USA is made up of different ethnic and racial roots
- Compares the daily life of families across the world
 - the roles of men, women, and children, typical food, clothes, style of homes the ways the families earn their living

- Is able to relate the key events from Mexico's colonial history and the war of Independence
- Is able to name key characteristics of the people's lives before the arrival of Columbus
- Can explain the influence of the Pilgrims on the lives of the native Americans
- Knows that the USA was formed following the war of Independence from England
- Learns about Western Expansion
- Learns about the Gold Rush
- Explains how each group contributed to the progress and formation of the USA:
 - Native Americans
 - Europeans
 - African Americans
- Identifies the English, Spanish, and French colonies in North America and summarizes the motivations for the settlement of these colonies:
 - freedom of worship
 - economic opportunity

- Is able to offer basic information about some of the ancient civilizations: Greece, Rome, Mesoamerica(Incas, Mayas, Aztecs)
- Is able to name some of the effects of the wars on:
 - family life
 - economy
 - on women's role in the society

- Can explain how the gap between the rich and the poor contributed to the economic collapse in the USA in the 1930's

- Is aware of the time-line of Mexico's struggle for independence from Spain
- Is able to chart a time-line of key moments in the USA's struggle for independence
- Can name some of the accomplishments of famous Mexican citizens

- Recognizes:
 - The American flag and its colors and shapes
 - The melody of the national anthem
 - Key holidays
 - Some important historical figures:
 - George & Martha Washington
 - John Adams



- Thomas Jefferson
 - Benjamin Franklin
 - Abraham Lincoln
 - Martin Luther King
 - Rosa Parks
-
- Can list the reasons for migration to the USA from Mexico
 - Is aware of the time-line of the conflicts between the North and the South during the US Civil war
 - Can identify why these names were linked to the conquest of the Americas:
 - Columbus
 - Queen Isabella
 - Cortez
-
- Recognizes the contributions of:-
 - George & Martha Washington
 - John Adams
 - Thomas Jefferson
 - Benjamin Franklin
 - Abraham Lincoln
 - Martin Luther King
 - Rosa Parks
-
- Recognizes the importance of the Declaration of Independence
 - Knows that a constitution is necessary in a democratic government
 - Relationship between geography, economics, and history
 - Can name significant occupations that influence society at the local, state and national levels
 - Shows an understanding of supply and demand in the consumer market place, with guidance
 - Can name various occupations that are dependent on each other for success (e.g. farmers/market vendors)
 - Can explain the key economic benefits for Spain's conquest of present-day Mexico
 - Can name significant occupations that influence society at the local, state and national levels
 - Shows an understanding of supply and demand in the consumer market place, with guidance
 - Realizes the dependent relationship between the consumer and the supplier
 - Can explain how the gap between the rich and the poor contributed to the economic collapse in the USA in the 1930's

Practical applications

- Realizes the need to know their nation's history
- Realizes the importance of learning about the history of their country
- Begins to see connections from past events to events of today, with guidance
- Realizes the importance of learning about the history of their country
- Realizes the importance of learning about the history of the USA
- Can relate key influences of history to their life



- Realizes that current events often have a connection to past history
- Meaningful history and dates

- Can name key dates and figures and their importance during:
 - The conquest by the Spanish of the Aztec Empire
 - Mexico's fight for Independence
 - The Mexican Revolution

- Can explain key moments regarding:
 - The arrival of the Pilgrims to the New World land of present day USA
 - The fight for Independence from England

- Traces the ethnic and/or regional roots of their family
- Can name key dates and figures related to the conquest of the Americas
- Listens to readings concerning the conflicts (moral, economic, and political) between the North and the South
- Can explain how slavery was one of the main reasons for the US Civil War
- Interaction between environment and humans
- Can give reasons why Mexicans travel to the USA or other countries
- Can give reasons why the Spanish colonized the area of present day Mexico
- Can explain some of the reasons for westward expansion in the newly formed USA

Historical Research

- Can draw a time-line concerning the fight for Independence in Mexico and for the Mexican Revolution (SEP)
- Locates key information about the beginnings of Mexico from primary sources (e.g., local museums) and secondary sources (e.g., maps, illustrations, print materials, videos, CD-ROMs) (SEP)

- Can draw a time-line concerning the fight for Independence in the USA
- Locates key information about the US Civil War from primary sources (diary entries, newspapers, publications of the day) and secondary sources (e.g., maps, illustrations, print materials, videos, CD-ROMs)

- Chooses a topic of interest from current events in Mexico or the USA, with guidance
- Uses media resources to research the topic, with guidance
- Cites resources using a simple format given by teacher



SCIENCE

- Animal and Plant Growth
 - Understands that animals live in groups
 - Knows various ways that animals care for their young
 - Understands basic animal behaviors.
 - Knows components of habitats: food, water, space, and shelter.

- Human Body
 - Understand digestion and circulation.
 - Knows ways to keep the body healthy.
 - Knows how the eyes, ears, tongue, nose and other sense organs work in the human body.

- Physical Science (matter)
 - Demonstrates that matter has properties that can be measured, such as mass, volume, weight, and density.

- Physical (energy)
 - Understands what makes things move.
 - Can explain how work and energy are related.
 - Understands the transference of energy to work

- Physical (electricity and magnetism)
 - Describes the difference between conductors and insulators.
 - Knows that magnets have two different poles
 - Knows that earth has a magnetic field
 - Understands how electricity is related.

MATHEMATICS

- Reading and writing numbers
- Roman numerals to C
- Prime numbers less than 100
- Prime factoring
- Numeration systems
- Subsets
- Decimal and fraction equivalents
- Addition and subtraction facts to 7 places
- Multiplication and division facts to 144
- 1-, 2-, and 3-digit multiplication problems
- 2- and 3-digit dividend, 1-digit divisor problems
- Meaning of mixed numbers
- Finding simple averages



- Geometric concepts
- Customary and metric measurement
- Time to the second
- Problem-solving methods
- Charts and graphs

5th Grade Course of Study

LANGUAGE ARTS

Writing

- Demonstrate an understanding of theme.
- Use the writing process (e.g. prewriting, drafting, revising, proofreading and editing)
- Use a variety of strategies for prewriting such as note taking, semantic webbing, brainstorming, mapping and free writing to plan and organize writing.
- Review writing in order to revise for focus, development of ideas, organization and paragraphing
- Writes essays that: summarize plot, describe characters and setting and draws a conclusion about the work
- Understands and write for a variety of audiences and provides a title that interests the reader.
- Understand and use writing for a variety of purposes.
- Writes an expository piece containing a topic sentence, supporting details and conclusion
- Use resources such as personal experience and themes for other texts to plan and create an original literary text.
- Demonstrate the ability to write in a variety of genres, including:
 - persuasive (introduced in Gr. 5)
 - expository (introduced in Gr. 4)
 - narrative (introduced Gr. 2/3)
 - descriptive (introduced in Gr. Pre-1st/1)
- Uses language that is vivid, powerful, and specific to create strong imagery such as similes, metaphors, and personification
- Writes three or more related paragraphs
- Correctly spell words within own writing that have been previously studied and/or frequently used (5th grade lists)
- Spells a large body of words accurately and quickly when writing
- Uses adverbs appropriately in written compositions
- Edits written work to reflect appropriate and effective grammar (e.g., correct use of punctuation and capitalization, pronoun/noun and verb agreement, adverbs, regular and irregular verb usage)
- Use a variety of spelling resources, such as spelling dictionaries and spell-check tools to support spelling
- Chooses legible print and/or cursive writing



- Use multiple sources of information when writing a report using the school approved format
- Takes notes to record and organize data, facts and ideas
- State a main idea and support it with details
- Compare and contrast ideas and information from two sources
- Write labels or captions for graphics, such as charts, graphs and diagrams to convey information
- Use paragraphing to organize ideas and information

Reading

- Asks questions to clarify understanding and to focus reading
- Recognize when comprehension has been disrupted and initiate self correction strategies, such as re reading, adjusting rate of reading, and attending to specific vocabulary
- Use word structure knowledge, such as roots, prefixes and suffixes to determine meaning
- Demonstrate reading fluency-automaticity with 123 or more wpm by the end of the year.
- Use knowledge of a variety of decoding strategies such as letter- sound correspondence, syllable patterns, decoding by analogy, word structure, use of syntactic (grammar) cues, and use of semantic (meaning) cues, to read unfamiliar words.
- Recognize at sight a large body of high frequency words and irregularly spelled content vocabulary
- Determine the meaning of unfamiliar words by using dictionaries, glossaries and other resources
- Use a thesaurus to identify synonyms and antonyms
- Uses self monitoring comprehension strategies, such as cross checking, summarizing and self questioning to construct meaning of text.
- Read a variety of grade level texts, for a variety of purposes, with understanding
- Read grade level texts to answer evaluative questions.
- Read aloud from a variety of genres using appropriate inflection and intonation
- Identifies text structure (sequence, problem-solution, comparison- contrast, description and cause-effect)
- Recalls the main idea along with a few supporting details.
- Compare and contrast information on one topic from multiple sources
- Read to collect data and facts from at least two different sources
- Uses the appropriate strategy (e.g. table of contents, headings, titles, glossary, appendix, topic sentences and graphics) to understand and locate information
- Distinguish between fact and opinion
- Make inferences and draw conclusions on the basis of the informational texts
- Read the steps of a procedure in order to accomplish a task such as completing a science experiment, with guided assistance

Listening and Speaking

- Listen attentively to a variety of texts, audio/video forms of communication for different purposes and for an extended period of time
- Respect the age, gender, position and cultural traditions of the speaker
- Listen respectfully, and without interrupting, when others speak
- Follow multiple step instructions that provide information about a task or assignment



- Connect new information to prior knowledge

Speaking

- Uses Standard English when speaking
- Presents reports of approximately five minutes for teachers and peers
- Summarize main points.
- Use notes, outlines and visual aides
- Summarize the plot and describe the motivation of the characters
- Ask questions and respond to questions
- Expresses opinions and viewpoints orally in an appropriate manner, without dominating
- Use information and ideas from personal experiences to form and express opinions and judgments.
- Vary the formality of the language according to the audience and purpose for speaking
- Speaks with expression, volume, pace and gestures appropriate for the topic, audience, and purpose of communication

SOCIAL STUDIES

- Exploration and discovery
- Establishment of settlements in the New World
- Colonial life in America
- Pioneer life in America
- Revolutionary War in America
- Westward movement in America
- Industrial and cultural growth
- Democracy's principles and documents
- Life in the U. S. and its possessions
- Geography of the U. S.
- Natural resources of the U. S.
- Canada and Mexico
- Relationship between the U. S. and Canada
- Comparative cultures of Canada
- Countries and cultures of the Western Hemisphere: Central America, West Indies, South America
- Map and globe skills

SCIENCE

- Biological adaptations
- Biotic communities
- Animal and plant classification
- Fish
- Reptiles
- Bacteria
- Molds



- Trees
- Plants and their food
- Conservation
- Cells
- Human body
- Landforms
- Properties of air and water
- Time and seasons
- Temperature and thermometers
- Magnetic fields
- Use and control of electricity
- Conduction and convection
- Light and optics
- Force systems
- Chemical systems

MATHEMATICS

- Reading and writing numbers to 10 places
- Mixed numbers
- Set of integers
- Numeration systems
- Addition, subtraction, multiplication, division of whole numbers
- Fundamental processes: whole numbers and common fractions
- Common and decimal fractions
- Decimals to the thousandths
- Ratio and percent
- Exponents
- Customary and metric measurements
- Extension of geometric concepts
- Word problems in daily life
- Charts and graphs: picture, bar, line, and circle graphs
- Concept of sampling



MIDDLE SCHOOL
6th Grade Course of Study

SOCIAL STUDIES (Humanities: Ancient Civilizations, Geography, Civics, and Mexican History)

- Global and regional studies
- Countries and cultures of Africa, Latin America, Asia, Australia, the Pacific, and Europe
- Native American cultures
- The Roman Empire
- Relationships among nations: customs, traditions and beliefs, political and economic systems
- United Nations
- Milestones in human achievement
- Transportation and communication
- World trade
- Citizenship and social responsibility
- Mexican Geography
- Map and globe skills
- Mexican History
- Civic and Ethical Responsibilities

SCIENCE AND HEALTH

- Classification of living things
- Ecosystems
- Ecology and the environment
- Microbes
- Algae and fungi
- Human body and sexual reproduction
- Food for growth and energy
- Climate and weather
- Recycling of resources
- Elementary geology
- Oceans
- Electric and magnetic interactions
- Electricity and its uses
- Sound, light, and heat
- Nuclear energy and radioactivity
- Solar and geothermal energy
- Conservation
- Elements and compounds
- Universe
- Simple astronomy
- Space and space travel
- Scientific theory
- Inventions and discoveries



LANGUAGE ARTS - (ENGLISH AND SPANISH)

- Fluency, Comprehension, Vocabulary Building, Decoding Strategies
- Reading for details, inference, authors purpose, cause & effect, fact and opinion
- Introduction to mythology
- Types of literature
- Lyric, narrative, dramatic poetry
- Listening skills
- Nonverbal communication
- Extending dictionary skills
- Homonyms, synonyms, antonyms
- Using roots, prefixes, and suffixes
- Spelling
- Concepts of noun, pronoun, verb, adjective, adverb
- Sentence structure
- Diagramming sentences
- Types of writing: narrative, expository, persuasive
- Simple note taking
- Writing for information
- Bibliography building
- Organization of a book
- Using reference books and indexes
- Using on-line information services, CD-ROM's, and other electronic reference materials

MATHEMATICS

- Exponents
- Operation of powers
- Set of the integers
- Factoring
- Fundamental operations with fractions, and decimals
- Fundamental operations with fractions and decimals
- Multiplying and dividing common fractions and mixed numbers
- Relationship between common and decimal fractions
- Problems in percent
- Properties, identification, and construction of geometric figures
- Identification and measurement of angles
- Concepts of similarity, congruence, and symmetry
- Scale drawings
- Customary and metric measurement
- Problem analysis
- Interpreting graphs
- Concepts of averaging and sampling
- Use of calculators and computers



7th Grade Course of Study

SOCIAL STUDIES (Humanities: Geography of Mexico, Geography of the World)

- Lands and peoples of the Eastern and Western Hemisphere
- Prehistoric peoples
- Industrial Age
- Yesterday and today around the world: Europe, the Middle East, Africa, Asia, Australia, and the Pacific
- World trade and resources
- Contemporary problems and issues
- Environment
- World geography
- Advanced map and globe skills

SCIENCE – (Biology and Ecology)

- Scientific classification
- The cell
- Heredity and genetics
- Effects of weather and climate
- Properties and uses of water
- Atmosphere
- Air pressure
- Rocks, soil, and minerals
- Ecology and environment
- Conservation
- Heat and temperature
- Laws of motion
- Energy
- Scientific method
- Laboratory techniques and safety

LANGUAGE ARTS (Spanish and English)

- Fluency, Comprehension, Vocabulary Building, Decoding Strategies
- Reading for details, inference, authors purpose, cause & effect, fact and opinion
- Introduction to mythology
- Types of literature
- Lyric, narrative, dramatic poetry
- Listening skills
- Nonverbal communication
- Extending dictionary skills
- Homonyms, synonyms, antonyms



- Using roots, prefixes, and suffixes
- Spelling
- Concepts of noun, pronoun, verb, adjective, adverb
- Sentence structure
- Diagramming sentences
- Types of writing: narrative, expository, persuasive
- Simple note taking
- Writing for information
- Bibliography building
- Organization of a book
- Using reference books and indexes
- Using on-line information services, CD-ROM's, and other electronic reference materials

MATHEMATICS

- Prime and composite numbers
- Square root
- Order of operations
- Absolute value
- Inequalities
- Numeration
- Properties of nonnegative integers
- Rational numbers and fractions
- Ratio, proportion, percent
- Finite, infinite, and empty sets
- Basic geometry concepts and terms
- Development and use of formulas
- Perimeter, circumference, area
- Metric and customary measurement
- Reading and constructing graphs
- Measures of central tendency: mean, mode, median, range
- Elementary business mathematics
- Use of calculators and computers



8th Grade Course of Study

SOCIAL STUDIES (Humanities: Civics and Ethics, World History)

- Our African, Asian, and European backgrounds
- Exploration and discovery
- Growth and development of the United States Colonial life Struggle for independence U. S. Constitution and Bill of Rights Westward movement in America American Civil War
- Reconstruction U. S. as a world power
- Meaning of democracy
- Our American culture
- U. S. political system
- U. S. economic system
- U. S. government
- U. S. geography
- Advanced map and globe skills
- Tolerance, Empathy, Sexuality
- Civic and Ethical Responsibilities

SCIENCE (Physics)

- Scientific method
- Scientific nomenclature
- Scientific measurement
- Ecology and environment
- Conservation
- Composition of the earth
- Ocean, atmosphere
- Weather
- Water and its uses
- Weathering and erosion
- Recycling of resources
- Magnetism and electricity
- Heat and light
- Forces in liquids and gases
- Wave, mechanical, electrical, and nuclear energy
- The earth's movement
- Newton's three laws of motion
- Machines
- The atom
- Periodic table of elements
- Compounds and mixtures
- Chemical changes
- Astronomy



- The universe and Milky Way
- Space and space travel

LANGUAGE ARTS (Spanish, English)

- Fluency, Comprehension, Vocabulary Building, Decoding Strategies
- Reading for details, inference, authors purpose, cause & effect, fact and opinion
- Introduction to mythology
- Types of literature
- Lyric, narrative, dramatic poetry
- Listening skills
- Nonverbal communication
- Extending dictionary skills
- Homonyms, synonyms, antonyms
- Using roots, prefixes, and suffixes
- Spelling
- Concepts of noun, pronoun, verb, adjective, adverb
- Sentence structure
- Diagramming sentences
- Types of writing: narrative, expository, persuasive
- Simple note taking
- Writing for information
- Bibliography building
- Organization of a book
- Using reference books and indexes
- Using on-line information services, CD-ROM's, and other electronic reference materials

MATHEMATICS

- Maintaining skills in fundamental operations
- Factoring and products
- Sets and simple sentences
- Numeration systems
- Using fractions and decimals
- Ratio, proportion, and percent
- Equalities and inequalities
- Simple formulas and equations
- Graphing an equation
- Powers and roots of rational numbers
- Polynomials
- Metric and non-metric geometry
- Pythagorean Theorem
- Scale drawing
- Right-triangle trigonometry
- Customary and metric measurement



- Permutations
- Probability statistics
- Statistical terms
- Mathematics of insurance, banking, and taxes

HIGH SCHOOL 9th Grade Course of Study

HUMANITIES:

Subject Names:

**History of Mexico (1 year),
World History (Social Studies- 1 year),
Civics (1 year),
Guidance (1 year)**

Content:

- Overview of Mexican History from Pre-Hispanic times to the Present
- Overview of World History from the early 19th century to the Present
- The Function of Community, State, and National Governments
- Political Parties and Elections
- The Democratic Process
- Rights and Responsibilities of Good Citizenship
- Decision-Making Processes
- Interpersonal Relationships
- How to live in a Safe Environment; Physically, Emotionally and Socially

SCIENCE (Chemistry I)

- Introduction to Chemistry
- Atomic structure
- Chemistry of matter
- Periodic table
- Elements
- Bonds
- Inorganic nomenclature
- Metals and plastics
- Properties (ionic, metallic, covalent)
- Electrochemistry (Batteries)
- Molecular theory
- Intermolecular/ intramolecular forces of attractions



- Polarity and molecular shape
- Chemical reactions
- The mole
- Solution concentrations
- Stoichiometry
 - Gases
 - Acids and Bases
 - Redox Reactions
 - Organic Nomenclature
 - Organic Chemistry
 - Hydrocarbons (alkanes, alkenenes, alkynes)
 - Water and its uses
 - Fuels and combustion
 - Nature and use of chemicals
 - Titrations

LANGUAGE ARTS (Spanish I, English Language Arts)

- Evaluating material for accuracy
- Reading the newspaper
- Analyzing propaganda
- Advertising
- Drama and film
- Dramatic poetry
- Using poetry anthologies
- Novel and short story
- Folklore and myths
- Structure of a play
- Parable and allegory
- Interpretation of literature
- Listening skills
- Effective discussion techniques and questioning skills
- Preparing a speech
- Public speaking and debate
- The unabridged dictionary
- Vocabulary
- Foreign words used in English
- Grammar
- Fundamentals of composition
- Report writing
- Extended reference skills
- Special indexes
- Using General skills and strategies of Reading
- Research Skills



- Analyzing Media & Language in English Language Cultures
- Analyzing Poetry
- Analyzing Literature (novels/short stories)
- Using the General Skills and Strategies of Writing
- Summarizing, Paraphrasing, Citations
- Use of general Grammatical, Rhetorical, Structural, Mechanical Conventions
- Process and Production of essays, creative written tasks, speeches
- Compare and Contrast Skills and Strategies (film/literature)
- Speaking Skills and Production
- Speeches and Presentations
- Interactive Group Oral presentations
- Note taking, Identifying main points, supporting details
- Forming questions
- Acquisition, use and production of grade level appropriate vocabulary

MATHEMATICS (Algebra I)

- Variables and Expressions
- Order of Operations
- Identity and Equality Properties
- Analyzing Data by Using Tables and Graphs
- The Pythagorean Theorem
- Trigonometric Ratios
- Areas and perimeters of triangles and squares
- Solving Linear Equations
- Solving Open Sentences Involving Linear Equations
- Ratios and proportions
- Functions and Relations
- Solving inequalities
- Simple probability
- Slope. Writing Equations in Slope-Intercept Form
- Systems of Equations
- Solving Open Sentences Involving Systems of Equations
- Areas and perimeters of plane figures
- Graphing inequalities in two variables
- Systems of linear equations
- Problems of systems of equations
- Graphing systems of inequalities in two variables
- Graphs interpretation (bar, pie, histograms)
- Monomials and polynomials, Operations
- Scientific notation
- Special products
- Factoring
- Quadratic functions



10th Grade Course of Study

Humanities:

Subject Names:

US Government and History (1 year),
Ethics and Values (1year),
Introduction to Social Sciences (1st semester),
Citizenship (1st semester),
History of Mexico I (2nd semester),
History Project (2nd semester)
Geography I (2nd semester)

Content:

- Overview of U.S. History from the 17th century to the Present
- The Function of Ethics and Values Systems in Different Cultures
- The Stages of Human Development
- The Process of Socialization
- The Characteristics of World Cultures
- The Nature of Human Societies
- Introduction to Community Service

SCIENCE (Chemistry I and II, Geography)

- Organic Chemistry, Carbon and its compounds
- Formulates and chemical equations
- Atomic theory
- Periodic law
- Water and solutions
- Chemical bonding
- Molecular theory
- Spontaneous reactions
- Ionization and ionic solutions
- Colloids, suspensoids, and emulsoids
- Oxidation-reduction
- Nonmetals
- Metals and alloys
- Electrochemistry
- Energy: forms, chemical changes, and measurement
- Nuclear reactions and radioactivity
- Stoichiometry
- Chemistry of life
- Carbohydrates, proteins, lipids



LANGUAGE ARTS (English Language Arts II, Spanish Reading and Writing I and II)

- Using General skills and strategies of Reading
- Analyzing Media/ Language & Culture Issues in English language cultures
- Analyzing Poetry, literature (novels/short stories/drama)
- Analyzing writing for Audience Purpose and Style
- Using the General Skills and Strategies of Writing
- Essays, Creative Written Tasks, Interactive Oral Presentations (scripts and outlines)
- Use of intermediate Grammatical, Rhetorical, Structural, Mechanical conventions
- Process and Production of essays, creative written tasks, speeches
- Use of transitional devices, figurative language
- Consideration of Audience Purpose and Style in writing
- Compare and Contrast Skills and Strategies (film/literature)
- Speaking Skills and Production
- Individual Oral Presentations
- Effective discussion techniques and questioning skills
- Speeches and Presentations
- Public speaking and debate
- Interactive Group Oral presentations
- Listening Skills
- Note taking, Identifying main points, supporting details
- Forming questions
- Acquisition, use and production of grade level appropriate vocabulary
- American literary heritage
- Cross-cultural literature
- Folklore and ballads
- Regional customs, traditions, folkways, and language
- Literary interpretation and critique
- Novel, short story, and essay
- Understanding poetry: lyric poetry, and the sonnet
- Drama
- Distinguishing between fact and opinion
- Persuasion and argumentation
- Extending dictionary skills
- History of the alphabet
- Vocabulary and etymology
- Geographical dialects
- Grammar
- History of writing
- Techniques of writing
- Journal writing
- Writing short stories, poetry, and plays



- Writing term papers
- Constructing footnotes

MATHEMATICS (Algebra II, Geometry I, Trigonometry, Probability and Statistics)

- Solving Absolute Value Equations and Inequalities
- Linear Rational Equation
- Solving Systems of Equations in Three Variables
- Simplifying Expressions
- Monomials and Polynomials
- Special Products
- Factoring
- Multiplying and Dividing Rational Expressions
- Adding and Subtracting Rational Expressions
- Solving Quadratic Equations
- Radical Expressions
- Solving Equations Containing Radicals
- The Coordinate Plane
- Points, Lines and Planes
- Integration with Algebra: Segment and Angles relationships, parallel lines and transversals, angles and parallel lines, slopes of lines.
- Exploring Triangles
- Other Geometrical Figures
- Circles
- Area of regular Polygons and Circles
- Surface Area and Volume of: Prisms, Cylinders, Pyramids and Cones.
- Angles
- The trigonometric functions and theirs graph
- Values of the trigonometric functions, applications involving right triangles
- The law of sines, the law of cosines
- Exponential functions.
- Logarithmic functions, properties of logarithms
- Trigonometric equations
- Verifying trigonometric identities
- Simple discrete data: frequency tables, histograms, box and whisker plots.
- Measures of central tendency for simple and grouped discrete data; mean, median, mode
- Measures of dispersion; range interquartile, standard deviation.
- Scatter diagrams; line of best fit; calculation of coefficient of correlation.
- Probability; sample space, event A.
- Complementary event
- Combined events
- Venn diagrams, tree diagrams, tables of outcomes.
- Conditional Probability
- Develop surveys.



11th Grade Course of Study

Humanities:

Subject Names:

History of Mexico II (1st semester),

Geography II (1st semester),

Historical Documents (1st semester),

{ I.B. History (1 year), or I.B. Economics (1 year), or Information Technology in a Global Society(ITGS- 1 year)} ,

I.B. Business and Management (1 year),

Socio-Economic Structure of Mexico (SESM- 2nd semester),

Theory of Knowledge (TOK- 2nd semester).

Content:

- Mexican History from Independence to WW II
- Human Evolution
- Geographic Determinism
- How to Analyze Historical Documents
- How to Use Primary and Secondary Sources in Research
- 20th Century World History
- The Basics of Economy
- The Uses and Types of Information Technology
- Contemporary Mexican Society since WW II
- An Exploration of Knowledge Issues: How do I know what I know
- Ways of Knowing: Senses, Language, and Intuition

SCIENCE (Physics I and II, Biology I, Anatomy I)

Physics I and II

- Introduction to Physics
- Vectors
- Heat Calculations
- Rotation of bodies
- Light and optics
- Equilibrium
- Relativity
- Electrostatic Force
- Mechanic
- Space, time, and motion
- Work, energy, and power
- Electronics
- Newton's Laws



BIOLOGY I

- Statistical analysis
- Characteristics of life
- Scientific method
- Microscopic life
- Cells Theory, Prokaryotics, eukaryotics, membrane, cell division.
- Chemical elements and water
- Carbohydrates, lipids.
- Protein synthesis
- DNA-RNA

ANATOMY I

- Human biology
- Nutrition and digestion
- Cardiovascular System
- Immune System
- Disease and disease control
- Respiratory System

LANGUAGE ARTS (Spanish Literature I and II, English I and II)

IB English 11th grade

- Using General skills and strategies of Reading
- Analyzing Social Issues in English Speaking Cultures including stereotyping, discrimination, health care and welfare systems, poverty, immigration, violence
- Analyzing Poetry
- Analyzing Literature (novels/short stories)
- Using the General Skills and Strategies of Writing
- Essays based on Social Issues studies
- Creative Written Tasks based on Social Issues studies
- Interactive Oral Presentations based on Social Issues studies (scripts and outlines)
- Consideration of purpose and audience and style in writing
- Use of advanced Grammatical, Rhetorical, Structural, Mechanical conventions
- Use of transitional devices, colloquial, slang, figurative language, modifiers and rhetorical devices
- Writing comparative commentaries on different genres of texts
- Speaking Skills and Production
- Individual Oral Presentations
- Effective discussion techniques and questioning skills
- Speeches and Interactive Oral Presentations
- Debate
- Note taking, Identifying main points, supporting details at a native language pace
- Forming questions
- Acquisition, Refinement and use of grade level appropriate vocabulary
- American literature



- Cross-cultural literature
- Analysis of plays
- Vocabulary of poetry
- Critical and evaluative reading
- Propaganda techniques
- Mass communication
- Advertising
- Music and painting
- Architecture and sculpture
- Listening skills
- Vocabulary development
- Grammar
- Story writing
- Editorial writing
- Journalistic writing
- Writing term papers
- Proofreading symbols
- Use of Reader's Guide and other reference aids, both print and electronic

MATHEMATICS (Mathematical Studies: Probability and Statistics, Pre-Calculus, Algebra, Logic, Financial Math)

Algebra II

- Number Systems
- Rounding, decimal approximations and significant figures
- Expression of numbers in standard form (scientific notation) $a \times 10^k$, $1 \leq a < 10$, $k \in \mathbb{Z}$
- Linear Functions and Their Graphs
- Solving Quadratic Equations
- Quadratic Functions and Their Graphs
- Properties of Symmetry, Axis of Symmetry, Vertex, Intercepts.
- Concepts of Symbolic Logic – Propositions
- Truth tables, implication, converse, inverse, contrapositive, logical equivalence
- Concepts of Set Theory – Venn diagrams and simple applications.
- Arithmetic sequences and series
- Geometric sequences and series
- Currency conversions
- Simple interest and Compound interest
- Use of tables, Loan and repayment schemes; investment and saving schemes; inflation.
- Conditional Probability
- Tree Diagrams
- Binomial Distribution
- Hyper-geometric Distribution
- The Normal Distribution: Concept of random



- The standard Normal Distribution: Properties of the curve
- Applications
- The X^2 test for independence: Contingency Tables
- The X^2 test for goodness of fit of the normal distribution
- Special Functions: Rational functions, trigonometric functions, exponential functions (ka^{bx+c}).
- Limits
- Derivates
- Graphs using **GCD**; Liner, quadratic, exponential, trigonometric and rational functions.

12th Grade Course of Study

Humanities:

Subject Names:

Theory of Knowledge (TOK 1 year),

Business and Management II (1 year)

Psychology (1 year),

Law (1 year)

Tourism (1 year),

Art History (1 year),

Sociology (1 year),

Leadership (1 year)

Content:

- Theory of Knowledge I.B. Essays and Presentations
- Areas of Knowledge: History, Science, Ethics, Math, Aesthetics, and Religion
- Business Action Plan, Research and Recommendations
- Management Strategies
- Overview of Psychological Theory and Research
- Introduction to the Study of the Law
- Constitutional, International and Civil Law
- Tourism and the Tourist Industry
- Art History from Pre-Historic Times to the Present
- Sociological Theory and Student-Generated Research
- Leadership Theories and Styles

SCIENCE (Biology II, Anatomy II, Selected Topics in Chemistry, Ecology and Environmental Science, Health Sciences, Selected Topics in Physics)

Biology II

- Chemistry of life
- Enzymes
- Cell Respiration
- Meiosis, Mitosis



- Origin of life
- Vertebrate life
- Photosynthesis
- Genetics and heredity
- Human evolution
- Genetic engineering

Anatomy II

- Homeostasis and Endocrine System
- Reproduction and growth
- Nerves, muscles and movement
- (Sport's Physiology IB)

Ecology and Environmental Science

- Classification
- Simple organisms: algae, bacteria, fungi
- Communities and Ecosystems
- Populations
- Evolution
- Human Impact
- Conservation of human resources
- Environmental issues
- Energy in ecosystems
- The ecology of species
- The ecology of communities
- Biodiversity and conservation

Health Sciences

- Health sciences
- Sick and healthy
- Natural history of sick
- Levels preventions
- Human sexuality
- Human nutrition
- Promoting health
- Neurobiology and Behavior
- Introduction to problem-based learning (PBL)

Selected Topics in Physics

- Introduction to Physics
- Mechanics
- Equilibrium (torques and static)
- Newton's Laws



- Constant acceleration
- Rotational motion
- Integrated problems (work, energy, power, acceleration, etc.)
- Electricity and magnetism
- Heat and Thermodynamics
- Space, time and motion
- Wave motion
- Heat and simple machines
- Velocity and acceleration

Selected Topics in Chemistry

- General concepts (organic chemistry- Cell biology)
- Introduction to biochemistry
- Water properties
- Carbohydrates
- Amino acids and proteins
- Nucleic acids
- Lipid
- Enzymes
- Coenzymes
- Introduction of metabolism
- General metabolism de carbohydrates
- General metabolism of amino acid
- General metabolism of lipid
- General metabolism of nucleic acids
- Photosynthesis

LANGUAGE ARTS (Spanish Literature III and IV, Extended Essay I and II, English III and IV, Research Methods)

IB English 12th grade

- Using General skills and strategies of Reading
- Analyzing Media and Culture Issues in English Speaking Cultures including Advertising, Censorship, Freedom of the Press vs. National Security, Use of the Internet, Sensationalism,
- Analyzing Poetry
- Analyzing Literature (novels/short stories/drama)
- Using the General Skills and Strategies of Writing
- Essays based on the Media and Culture studies
- Creative Written Tasks based on Media and Culture studies
- Interactive Oral Presentations based on Media and Culture (scripts and outlines)
- Consideration of purpose and audience and style in writing
- Use of advanced Grammatical, Rhetorical, Structural, Mechanical conventions
- Use of transitional devices, colloquial, slang, accent, figurative language, modifiers and rhetorical devices



- Writing Comparative commentaries on different genres of texts
- Speaking Skills and Production
- Individual Oral Presentations
- Effective discussion techniques and questioning skills
- Speeches and Interactive Oral Presentations
- Listening Skills
- Note taking, Identifying main points, supporting details at a native language pace
- Forming questions
- Refinement and Polishing of grade level appropriate vocabulary
- English literature
- Shakespeare
- Literary, social, and political heritage of England
- Literature of the 1900's
- World literature
- Cross-cultural literature
- The theater
- Nature of tragedy and comedy
- Techniques of acting
- Film as an art form
- Critical and evaluative reading
- Current periodical literature
- Mass communication
- Comparative study of mass media
- Radio and television
- Listening skills
- Parliamentary procedures
- Identifying verbals
- Report writing
- Writing social and business letters
- Writing book reviews, précis, essays
- Writing term papers
- Bibliography development

MATHEMATICS (Selected Topics in Math I and II, Accounting, Differential and Integral Calculus)

- Normal Form of a Linear Equation
- Introduction to Analytic Geometry
- Conic Sections : Circles, Ellipses, : Hyperbolas
- Conic Sections : Parabolas
- Radical Expressions
- Solving Equations Containing Radicals
- Complex Numbers and theirs Graphs
- The Binomial Theorem



- Expansion of $(a + b)^n$ $n \in N$
- The Remainder Theorem, the factor Theorem
- Polynomial Functions
- Matrices, determinants
- Gradient of the Line, Absolute Value,
- Concept of functions: Domain, Range, Composite Functions, Domain restriction
- The Graph of Functions
- Limits, continuity
- Increasing and Decreasing Functions
- Derivate
- The Chain Rule
- Application of the derivative concept: Properties of curves,
- Maxima and minima problems.
- Implicit derivate
- Maximum and minimum problems
- Second derivate
- Point of inflection. Applications
- Integration
- The indefinite integral and definite.
- Integration by substitution
- Accounting legislation, Basic Accounting Structure
- Merchandise Accounting Treatment
- Perpetual Inventory
- Inventory Evaluation Method
- Financial Statements
- Profit loss statement
- Balance Sheet
- Registration procedure of vouchers
- Cash book voucher and journal voucher