

### Lower School (1<sup>st</sup>-4<sup>th</sup>) Curriculum Matrix

	1	2	3		4	
Literacy	Public speaking- Poetry, Reader Theater; Sight Words, Fiction/Nonfiction, Guided reading, Humanitarian Report with Bottle Person, Contraction Surgery, A Home for Me Book <b>Projects-</b> Martin Luther King Report	Class novels, Cursive, Friendly letters, Corduroy advertisement, Santa's Stuck, Little Red Riding Hood in the Future, Biography about a friend, Poetry, Figurative language <b>Projects-</b> Autobiography	Shurley English, Identifying Point of View, Book Reviews, Literature Circles, Reading Bingo, Reading Responses, Journal, Persuasive writing, Expository writing <b>Projects-</b> Create your own candy, Themed puzzle piece, Novel in an hour		Shurley English, Novel Studies, Poetry Studies, Biographies, Writing Genres <b>Projects-</b> Poetry book, Student led conference, Whipping Boy play	
	<i>Advanced Math 1</i>	<i>Advanced Math 2</i>	<i>Intermediate 3</i>	<i>Advanced 3</i>	<i>Intermediate 4</i>	<i>Advanced 4</i>
Math	<b>Spiraling curriculum</b> Calendar, Addition, Subtraction and Multiplication, Fractions and Decimals, Time, Temp., Weight and Capacity, Area and Perimeter, Transformations, Statistics, Data Analysis and Probability, Graphing, Problem Solving <b>Projects:</b> Fractionpillars, Math about Me, Symmetry Portraits, Shape Monsters, 100 <sup>th</sup> day Pizza	<b>Spiraling curriculum</b> Mental addition and subtraction with regrouping, Multiplication, Division, Money, Time to the minute, Coordinates, Arrays, Story Problems, Fractions, Graphs: bar, line, and pictographs <b>Projects:</b> data collection for favorite lunch- make a pictograph, Measurement: making brownies, and bread	<b>Spiraling curriculum</b> that introduces and begins to build a foundation on the concepts of: Number and Operations, Algebra, Geometry, measurement, Data and Analysis, Probability, and Problem Solving <b>Projects-</b> City of Shapes, Under the Big Top, Plan a Family Vacation	<b>Spiraling curriculum</b> continuing to introduce and build a solid foundation on the concepts of: Number and Operations, Algebra, Geometry, Measurement, Data and Analysis, Probability, and Problem Solving <b>Projects-</b> Build and Design a Garden, Organize Your Data, Out in a Barnyard, Cell Phone Multiplication	<b>Spiraling curriculum</b> continuing to introduce and build a solid foundation on the concepts of: Number and Operations, Algebra, Geometry, Measurement, Data and Analysis, Probability, and Problem Solving <b>Projects-</b> Market Math, Worldly Detective	<b>Spiraling curriculum</b> building on the foundation of the concepts of: Number and Operations, Algebra, Geometry, Measurement, Data and Analysis, probability, and Problem Solving <b>Projects-</b> IHOP math, Planning a Field Trip, Kid in a Candy Store project, Pizza fractions, Newspaper Teepee, Pumpkin tower
Science	Life cycle, Plant Parts, Sound and Sound Energy, Light Energy, States of Matter, Earth and Space, Habitats and Biomes, <b>Projects:</b> Gummy	Investigate a pinto bean's three main seed parts, plant seeds and observe growth, see how plants bend to light for survival, Weather,	Motion and Forces, Electric and Magnetic Force, Weather and Climate, Parents and Offspring,		Scientist of the Week, Transfer of Energy, Wave Patterns and Information Transfer, Patterns of Earth's Changing Features, Natural	

	Worm vs. Earthworm, Science Scavenger Hunts, Experiments with States of Matter, Inventions and Inventors, Cookie Invention Project, and Test for Life Experiment	Water cycle, Matter, Energy, Chemical reaction, Light, Sound, Earth, Weather <b>Projects-</b> Animal research, Making kazoos, Sound stations	Survival, Changes in the Ecosystems, Learn from the Past <b>Projects-</b> Newton's Law of Motion Egg Car Challenge, Making Lighting, Meteorologist Broadcast, Hatching Eggs	Hazards, Energy from Natural Resources <b>Projects-</b> Rube Goldberg Research and Challenge, STEM Investigations, Models
Social Studies	Citizenship, Humanitarians, Historical Figures and inventors, Groundhog Day, Holiday Celebrations and Traditions, My School Community, My Family, Map skills: key, compass rose, classroom maps; President's Day discovery centers, Guest speakers, Mentor/Mentee program with upper school students <b>Projects-</b> Humanitarian report and bottle person	Rules and Laws, Needs and Wants, Early America: create- house diorama, hornbook, hardtack bread; Government: tree map, geography/map skills- Make a mural of rural, suburb, and urban areas, Native Americans- create: Potlatch Mask, Appaloosa ornament, ankle band, weave; Mentor/Mentee program with upper school students <b>Projects-</b> Early America: house diorama, hornbook hardtack bread	Communities, Explorers (Lewis & Clark), Native Americans, Geography of Communities, Citizenship, Diversity in Communities, Improving Communities, Economy, Global Trade Affect, Public Services <b>Projects-</b> Lemonade Stand, Create human monument, Market day, Humanitarian project	Regions of the United States and Texas History <b>Projects-</b> Travel Brochure, Colorado River Basin Project, State in a Box Project, State Stamp, Texas elevation salt map
Spanish	Polite words, Introducing yourself, Alphabet, Spelling in Spanish, Numbers 1 to 50, Shapes, My family, Places, Food, Days of the week, Months of the year, Fruits, Clothing I like/I prefer, I don't like, More adjectives, More verbs, Songs, Acting games, Conversation practice and videos.	What's your name?, Introducing yourself, Spelling your name and last name, Using you, Numbers 1 to 100, Classroom objects (14), Question words (6), Colorful clothing, Places, Pet's store, Rooms in the house, Favorite fruits, Weather, Adjectives (10), Food (24), Commands, Nature, Emotions, Songs, Acting game, Conversation practice and videos.	People, Counting by 10's to 500, Masculine and feminine, Parts of the body (24), How are you?, What hurts?, Singular and plural, Family, Definite article, Indefinite article, Opposites, Verbs, The Calendar, Meals, In the country, At the zoo, In the city, Buying clothing, Ordering food, At school (More vocabulary), Greetings, Polite words, Songs, Acting game, Conversation practice and videos	Spanish speaking countries and capitals, Review Commands and expressions, Numbers 1 to 10,000, What is the date?, Like, I really like, Personal pronouns, Verbs that end in -ar (26), Questions and negatives, Directions, Answering questions negatively, What is it?, What are they?, Adjectives, Verb to be - Ser, Professions, The time, To have, At home, Possessive Adjectives, Verb to be Estar, To go = ir, Comparisons, Where are you from?
Mandarin	Speaking and reading; more character writing; Colors, more animals, fruits, classroom objects, directions, and numbers 0-99; Songs "What's your name?" and "Where's the animals?"; Making booklets of 9 adjectives and colored blooms; Read Chinese Stories; Flash cards, videos, activities and songs; Celebrating	Listening, speaking, and reading; Counting 0-999, More fruits, Classroom objects, Today is which day of the week, Emotion, Action, Body parts, Cloth and Chinese grammar golden rules; Chinese culture introduced through holidays, craft, food, story reading, and visual aids; Quizlet, buzzer games and	Listening, speaking, reading and writing; Numbers 0-9999, "like/don't like" sentences, What he's wearing today, How much is this, Sports, Food, Weather, Comparison vocabulary, Simple grammar rules; Introduce tests by matching Mandarin words with English meaning; Writing homework;	Listening, speaking, reading, and writing; Numbers 0-99999; Meeting dialogues, Meals, Ordering food, What's your nationality and language?; I love my family, Where do you live?; I can speak Mandarin; What day is it today?; I like fruits; Transportation; Quizlet, Buzzer games and other visual aids or

	Chinese holidays with craft, food and visual aids; Quizlet and buzzer games for reviews	other visual aids or activities for reviews	Quizlet, Buzzer games and other visual aid or activities for reviews	activities for reviews; Test on vocabulary and homework for writing
Technology	Formal technology classes begin in third grade; however, technology is incorporated into classroom activities.	Formal technology classes begin in third grade; however, technology is incorporated into classroom activities.	Graphics, Paint, Vocab, Word Processing, Presentation, Minecraft, Keyboarding, Windows, Research and Information Fluency, Engineering <b>Projects-</b> Animal Research PPT, Paper Circuit	Excel, OneNote Continue adding complexity to previous year's concepts <b>Projects-</b> Brush Bot, Candy Company business owners
Other Enrichment	Art, Drama, Mandarin, Music, PE, Yoga	Art, Drama, Mandarin, Music, PE, Yoga	Art, Drama, Mandarin, Music, PE	Art, Drama, Mandarin, Music, PE