

Upper School (5th-8th) Curriculum Matrix

	5		6		7		8	
Literacy	Shurley English, Fiction/Nonfiction Reading and Writing, Prefix, Suffix, Root vocab, Book Talks, Writing Genres Projects: Children’s Book, Group Newspaper, Chapter of a Novel, Personal Literacy Journey Scrapbook		Shurley English; Class novels, Mixed Up Plan, Wrinkle Planet, Research paper, Book projects, Novel tests, Create a Museum, Stories, Essays, Poetry, Grammar projects		Shurley English; Class novels, Research, Novel tests, Outsiders Newspaper, Create a Mall, Essays, Poetry, Grammar Projects- Charlotte Ship Story Diagram, Shakespeare project with Wednesday Wars, Reflection on Korea		Shurley English; Class novels, Animal Farm essay, Research paper, Novel tests, Stories, Essays, Poetry Projects- Book projects, Night Memorial, Shakespeare Language and research, 8 th grade procedural text project	
Math	<i>Intermediate 5</i>	<i>Advanced 5</i>	<i>Math 6</i>	<i>Pre-AP Math 6</i>	<i>Math 7</i>	<i>Pre-AP Math 7</i>	<i>Math 8</i>	<i>Pre-AP Algebra 1</i>
	Spiraling curriculum building on the foundation of the concepts of: Number and Operations, Algebra, Geometry, Measurement, Data and Analysis, probability, and Problem Solving Projects- Stock Market Game, IHOP math, Planning a Field Trip, Kid in a Candy Store project	Spiraling curriculum continuing to build on the foundation of the concepts of: Number and Operations, Algebra, Geometry, Measurement, Data and Analysis, probability, and Problem Solving Projects- Stock Market Game, Unit rate project, Great Texas road trip project	Spiraling curriculum exploring concepts of: Number and Operations, Algebra, Geometry, Measurement, Data and Analysis, and Problem Solving Projects- Stock Market Game, Invest Write essay	Spiraling curriculum exploring concepts of: Number and Operations, Algebra, Geometry, Measurement, Data and Analysis, and Problem Solving Projects- Stock Market Game, Invest Write essay, Business Valuation, Zoo Design	Spiraling curriculum exploring concepts of: Number and Operations, Algebra, Geometry, Measurement, Data and Analysis, and Problem Solving Projects- Stock Market Game, Invest Write essay	Spiraling curriculum with further analysis of key concepts including: Number and Operations, Algebra, Geometry, Measurement, Data and Analysis, and Problem Solving Projects- Stock Market Game, Invest Write essay, Water Rights, and Dream House	Spiraling curriculum with further analysis of key concepts including: Number and Operations, Algebra, Geometry, Measurement, Data and Analysis, and Problem Solving Projects- Stock Market Game, Invest Write essay	Spiraling curriculum Polynomials, Linear and Quadratic Equations and Functions, Systems of and Absolute Value Equations and Inequalities, Rational and Radical Expressions and Functions, Probability and Data Analysis Projects- Stock Market Game, Invest Write essay, Carbon Footprint, and Toothpick Bridge
Science	Intro to Scientific Method; Physical: matter, motion, force, energy, and intro to chemistry		Scientific method and critical thinking; Life: nervous and immune systems; Earth: weather, volcanoes,		Life: main natural cycles, carbon compounds and polymers, water systems, ecosystems and biomes		Physical: atomic structure, periodic table, speed, velocity, acceleration, Newton’s Laws; Earth: The Universe,	

	and physics; Earth: rocks, fossils, and biomes; Life: senses, traits, and inheritance; Projects- Biomes, Science Fair experiment	earthquakes, plate tectonics; Physical: intro to chemistry Projects- Science Fair experiment and research paper, Science labs	(ancient and modern), genetics and inheritance; Physical: force, energy, work Projects- Science Fair experiment and research paper, Science labs	stars, planets, Earth's history; Life: evolution of life on Earth, populations and communities Projects- Science Fair experiment and research paper, Science labs
Social Studies	Early American History: Map skills, Land forms, Hemispheres, Beringia, First nations (Native Americans), European exploration, Vikings, Spanish explorers, Early English settlements, 13 Colonies, French and Indian War, Conflict with Great Britain, Declaration of Independence, Revolutionary War, Biographical profiles of Revolutionaries Projects- Revolutionary play, Boston Tea Party invitation, American Biographies	Ancient History: Early Hominids and migration, Neolithic revolution, First agricultural revolution, Mesopotamia, Ancient Sumer, Babylon, Nile River Valley, Ancient Egypt, Egypt today, Ancient Greek city-state, Mediterranean Sea and trade, Athens, Sparta, Rise of Democracy, Art, Philosophy, Architecture, Greek religion Projects- Mummification project (with Science), Greek Gods and Goddesses, Greek play, Greek alphabet and writing	Medieval World and Beyond: Ancient Rome, Roman Republic, Government, Roman Art and Architecture, Julius Caesar (first Emperor), Roman Empire, Fall of the Roman Empire, Rise of feudalism, Medieval social structure, Lords and vassals, Knights, Weapons, Castles, Cathedrals, Power of the church, Plague, Decline of feudal society, History of 5 major world religions: Judaism, Christianity, Islam, Hinduism and Buddhism. Projects- Castle design, Medieval Faire projects and presentations, Teach-History project	History from 1789-1870: U.S. Constitution and its authors, Bill of Rights, War of 1812, Manifest Destiny, Westward Expansion, Causes of the Civil War, Civil War battles and timeline, Emancipation Proclamation, 13 th Amendment, Post-War reconstruction, Industrialization, Immigration, Primary sources. Projects- Digital timelines, Current events journal, Independent study presentation
Spanish	Use of tú and usted, Time, numbers, Classroom, Alphabet, Favorite Activities, Weather and seasons, Favorite activities, What I like to do Using gustar, talk about what people are like, talk about themselves or others, adjective noun agreement, Class descriptions, Subject Pronouns and Conjugate –Ar verbs, Acting games, grammar videos, Kahoot and Conversation practice	Item location, Identify gender, Quantity of nouns, Breakfast, lunch, and beverages; Indicate how often, Conjugate regular _ER and _Ir verbs, Estar, and SER; Health, Agreement or disagreement, Make adjectives plural, Where I go and with whom, When things are done, Where someone is from, Ask questions using interrogative words, Acting games, grammar videos, Kahoot games, Conversation Practice.	Sports and Leisure activities, Use <i>IR + A + INFINITIVE</i> , Future tense, Conjugation and use the verb <i>JUGAR</i> , Verb <i>TENER</i> , Possessive adjectives, Express needs using <i>ME FALTA(N)</i> , Conjugate and use the verb <i>VENIR</i> , Compare and contrast using comparisons & <i>superlatives</i> , <i>Where</i> someone lives, Houses or apartments, Name household chores, Form and use affirmative <i>TÚ</i> commands, Use of the present progressive tense, use <i>E-IE</i> stem changing verbs	Use of the preterite tense, -AR verbs, form the preterite of -CAR/-GAR verbs, Use direct object pronouns, How to conjugate and use regular preterite <i>ER & IR</i> , Conjugation and use of preterite of <i>IR</i> to say where people went, Conjugation and use the verb <i>DECIR</i> in the present tense, Conjugate and use preterite of <i>DAR & HACER</i> , Talk about television shows, movies, communications, and computer-related activities; Conjugate and distinguish between the uses of <i>SABER VS CONOCER</i> , Conversation practice, Translation, Kahoot, acting games.

Mandarin	Listening, speaking, reading, and writing; Capitals and countries; Health, Household chores, Recipes, Chinese cooking, Eating utensils, Seasons, Professions; Quizlet, buzzer games and visual aids or other activities for review; Test on vocabulary and homework for writing	<i>Students begin a focus on Spanish four days a week versus two days of Mandarin and two days of Spanish.</i>	<i>Students continue to focus on Spanish four days a week.</i>	<i>Students continue to focus on Spanish four days a week.</i>
Technology	Creating individual websites, Continue adding complexity to previous year's concepts Projects- Restaurant entrepreneur, Hot Wheels velocity investigation	Digital citizenship, OneNote: in-depth use, Develop innovative processes, Generate new ideas, Create original works, Comfort using web-based tools Projects- Websites	STEM activities and Intro to coding, Examining games, Controlling game objects, Controlling game flow with events and conditionals, Using loops and custom functions Projects- Websites	STEM activities and Continue coding, Making the game your own, Adding animation with Sprite Sheets, Loops and collections, Cloud computing, TouchDevelop app design, Privacy and encryption Projects- Websites
Other Enrichment	Art, Drama, Mandarin, Music, PE	Art, Drama, Musical Instruments, PE, Speech	Art, Debate, Musical Instruments, PE, Photography	Art, Communications, Economics, Musical Instruments, PE, Yearbook