

1st grade

2nd grade

3rd grade

4th grade

5th grade

Math Literacy Social Studies Science Art Physical Education Spanish Music Library

<ul style="list-style-type: none"> Primary Mathematics: Singapore Math Number Bonds Addition & Subtraction Facts to 100 Mental Math Strategies Shapes and Patterns Ordinal Numbers Shapes Length Weight Multiplication & Division Graphing Basic fractions Money Calendar & Time 	<ul style="list-style-type: none"> Literacy Focus Continued focus on concepts of print, building comprehension skills, expanding vocabulary, phonemic awareness, and phonics. Students will focus on reading fluency, accuracy, and sight words. Students participate in classroom responses, discussions, and presentations. Word Journey's Spelling Writing Complete sentences with spacing, capitalization, punctuation, adjectives, following writing process Writing Projects Personal Narrative Descriptive Paragraph Friendly Letter Thank you notes Persuasive Writing Research Report Poetry Handwriting Program 	<ul style="list-style-type: none"> Community Helpers American Symbols Past and Present Contributions of Historical Figures Geography & Map Elements Famous African-Americans Economics Australia 	<ul style="list-style-type: none"> Gravity & Friction Balanced forces Air Resistance Scientific Method Simple Machines Lever Pulleys Inclined Plane Wheel & Axle Experiments Light and Sound Energy Kinetic Potential Wind Electrical Light Hydroelectric Gardening Discussion Measurement 	<ul style="list-style-type: none"> Skill and Technique Development Design Lines Patterns Warm & Cool Colors Use of Different Media Projects Pattern Design Watercolor Painting Fall Landscape Painting Symmetrical Masks Snowman Cutout Pointillism Project 	<ul style="list-style-type: none"> Focus on motor development, spatial awareness and positive sportsmanship Team Cooperation Activities Movement with Small Equipment Ball Handling Tossing Catching Parachute Activities Roller-Skating Rope Jumping Playground Games Gymnastics 	<ul style="list-style-type: none"> Music is used to facilitate and enhance the natural acquisition of a second language Use of sign language and movement to connect new vocabulary to actions Colors Days Months Seasons Alphabet Numbers Circle Time: Introduction to pledge of allegiance, and calendar Writing using fill in the blank activities with pictorial clues Hispanic Heritage Participation and Performance 	<ul style="list-style-type: none"> Comprehension strategies for reading fiction and nonfiction Compare and contrast characters from same or various authors Make connections between books and own life Writing in response to prompts related to stories Research Australian animals using books and iPad iPad Collect information in photos Organize photos into albums/files 	
<ul style="list-style-type: none"> Primary Mathematics: Singapore Math Numbers to 1000 Skip Counting Addition & Subtraction to 1,000 Mental Math Strategies Metric & Customary Measurement: Length, Weight, Capacity Multiplication & Division Money Fractions Time Graphing Geometry Area 	<ul style="list-style-type: none"> Literacy Focus Students build comprehension skills through the use of a variety of texts. Support is given to improve reading fluency, accuracy, and expanding vocabulary. Students participate in discussion, writing responses, and presentations. Word Journey's Spelling Writing Expanding sentences, paragraph writing, following writing process and cursive writing Grammar Zaner-Bloser Grammar, Usage, and Mechanics Writing Projects Friendly Letter Thank you notes Personal Narrative Poetry Book Report Research Writing Creating Writing Journaling Handwriting Program 	<ul style="list-style-type: none"> Communities American Indians Holidays Around the World Historical Figures Economics Maps and Globes Country Study 	<ul style="list-style-type: none"> Characteristics of Life Classification Kingdoms Food Webs Producers Consumer Decomposers Plants Photosynthesis Vertebrate Invertebrates Systems of the Body Scientific Method Experiments Discussion Gardening Measurement Basic Lab Reports 	<ul style="list-style-type: none"> Skill and Technique Development Pattern Rhythm Symmetry Tint & Shade Texture Line Primary & Secondary Colors Art Journal Use of Different Media Artist Studies Projects Quilt Design Landscape Painting American Indians Project Monochromatic Art Expressive Landscape Painting Chinese New Year Dragons Fish Pots 	<ul style="list-style-type: none"> Continued focus on building motor development, skill development, and positive sportsmanship Soccer Activity Stations Ball Handling/Throwing Rope Jumping Jump for Heart Playground Games Gymnastics Team Handball Kickball lead-up Games T-ball 	<ul style="list-style-type: none"> Music is used to facilitate and enhance the natural acquisition of a second language Games are played to introduce new skills and vocabulary Parts of the body Items around the house Classroom materials Asking and answering basic daily questions Circle routine: Pledge of Allegiance, calendar, and weather Completing sentence by filling in multiple blanks within each sentence Illustrate sentences for comprehension Skits and plays to practice and apply vocabulary and regular conversation skills Hispanic Heritage Participation and Performance 	<ul style="list-style-type: none"> Performance Music Winter and Spring Music Concerts Steady Beat vs. Rhythm Performance Techniques Determine Pitch Treble Staff Reading, composing, and playing pitched percussion instruments Introduction to Solfage Composing Project Baroque Period Composers 	<ul style="list-style-type: none"> Comprehension strategies for reading fiction and nonfiction Compare and contrast characters from same or various authors Make connections between books and own life, other books, and the world around us Writing in response to prompts related to stories Presentation Life in Egypt using books and iPad iPad Digital Books Email Addresses Google Docs Safety
<ul style="list-style-type: none"> Primary Mathematics: Singapore Math Numbers to 10000 Addition & Subtraction to 1,000 Model Drawing Mental Math Strategies Multiplication & Division Money Metric & Customary Measurement: Length, Weight, Capacity Graphing Fractions Time Geometry: Shapes & Angles Area and Perimeter 	<ul style="list-style-type: none"> Literacy Focus Reading fluently with meaning and purpose, applying comprehension and vocabulary strategies to a wider variety of literary genres and informational texts, and making more global connections are main areas of concentration. Students will begin taking a deeper look into story and character development. Students will participate in discussions, and use textual evidence to support thinking in written work, class thoughts, and oral presentations. Word Journey's Spelling Writing Expanding sentences and paragraphs, multi-paragraph works, follow the writing process Grammar Zaner-Bloser Grammar, Usage, and Mechanics Writing Projects Friendly and Formal Letter Writing Descriptive Writing Informational/Expository Writing Persuasive/Opinion Writing Narratives Poetry 	<ul style="list-style-type: none"> Geography & Maps Explorers Christopher Columbus Juan Ponce De Leon Jacques Cartier Lewis & Clark Immigration to the United States Economics Historical Figures 	<ul style="list-style-type: none"> Solar System Scale model Planets Orbits Seasons Fossils Types Formation Models Cycles Water Nitrogen Carbon Rock Scientific Method Measurement Experiments Discussion Lab Reports Gardening 	<ul style="list-style-type: none"> Skill and Technique Development Pattern Rhythm Line Warm & Cool Colors Rubbings & Reflective Process Texture Overlapping Sketching & Drafting Art Journal Use of different media Artist Studies Projects Fish Name Design Cubist Guitars Leaf Printing Inventions with Style Flowing Yarn Crazy Hats Pointillism Flowers V-Tree Clay Castles Silk Scarf Painting Sun Mosaic 	<ul style="list-style-type: none"> Focus on skill development, motor skills, and positive sportsmanship Soccer Ball Handling Rope Jumping Jump for Heart Gymnastics Racket Sports Kick Ball Games T-Ball/Whiffle Ball 	<ul style="list-style-type: none"> Integration of reading and writing through exposure to literature and story development Introduced to SYMTAK visual method Begin writing grammatically correct sentences in present tense Introduction of new skills and vocabulary through games, videos, songs, and movement Verb gustar (to like) Difference between tú and usted Circle Time: Student led Pledge of Allegiance, calendar, and weather Ask and answer more detailed questions La Oruga Muy Hambrienta play Hispanic Heritage Participation and Performance 	<ul style="list-style-type: none"> Lessons taught through performance music Winter and Spring Music Concerts Learn proper performance techniques Recorder Read and compose simple melodies Treble Staff Solfège (Do, re, mi) Read and compose simple rhythms in 2/4 and 4/4 time signature Composer Period Composers 	<ul style="list-style-type: none"> Comprehension strategies for reading fiction and nonfiction Compare and contrast characters from same or various authors Make connections between books and own life, other books, and the world around us Paragraphs in response to prompts related to stories Research Immigration using books and iPad Cite sources of information gathered iPad Email Google Folders Google Drive Digital Book Creator Safety
<ul style="list-style-type: none"> Primary Mathematics: Singapore Math Whole Numbers to 100,000 Estimation & Number Theory Multiplication & Division Fractions & Mixed Numbers Tables and Graphs Data & Probability Angles Perpendicular & Parallel Lines Area & Perimeter Decimals to the Thousandths Four Operations of Decimals Symmetry Solid Figures Volume 	<ul style="list-style-type: none"> Literacy Focus Continue to focus on reading with fluency and purpose. By making connection and using multiple comprehension strategies, students will successfully apply these skills to gain a deeper knowledge of the reading content. In addition, these skills will nurture the critical thinking thought process and the ability of expression in written form, participation in discussions, and presentations. Word Journey's Spelling Writing Expanding multi paragraph works for clarity and quality, following the writing process Grammar Zaner-Bloser Grammar, Usage, and Mechanics Writing Projects Journal Writing Descriptive Writing Expository Report Narrative 	<ul style="list-style-type: none"> Social Sciences Geography & Maps Regions of the United States Types of Maps Population Density Latitude and Longitude to Locate Regions People of the United States & Contributions Economics by Region Government Regional Focus of the Northeast and Southeast United States Jobs Climate Features Population Maryland Study Project Based Activities 	<ul style="list-style-type: none"> Matter Solid Liquid Gas Measurement Mass Volume Weight Density Metric System Units Conversion Chemical Properties of Matter Physical Properties of Matter Scientific Method Lab Report Writing Discussion Gardening Experiments 	<ul style="list-style-type: none"> Skill and Technique Development Layering Pattern Abstract Oil Pastels Movement Paper Cutting Parts of a picture Open letter forms Texture Rhythm Art Journal Use of different media Artist Studies Projects Repeating Fish Design Radial Symmetry Shapes Leaf Printing Collage Abstract Design Landscape Graffiti/Psychedellic Names Coat of Arms Sunflower Acrylic Painting Floating boxes Foam Printing 	<ul style="list-style-type: none"> Focus on skill development, agility, and positive sportsmanship Soccer Activity Stations Throwing and Catching Basketball Rope Jumping Jump for Heart Gymnastics Volleyball Team Handball Kick Ball Whiffle Ball 	<ul style="list-style-type: none"> Integration of reading and writing by developing stories Introduction of vocabulary through songs, motion, and action La Familia Ancient Civilizations Verb estar Gender agreement Identify cognates Classroom conversations using learned vocabulary and speaking skills El Muchacho Pastor (The boy who cried wolf) play Use of SYMTAK visual method Hispanic Heritage Participation and Performance 	<ul style="list-style-type: none"> Lessons taught through performance music Winter and spring music concerts Learn proper performance techniques Classroom Recorder Treble and Bass Clef Read and compose rhythms Romantic Period Composers Singing in two-part harmony In-depth Solfège study (do, re, mi...) Optional Band 	<ul style="list-style-type: none"> Comprehension strategies for reading fiction and nonfiction Compare and contrast characters from same or various authors Make connections between books and own life, other books, and the world around us Paragraphs in response to prompts related to stories/topics Create bibliography of at least 3 sources used for gathering information Presentations Research Maryland history using books and iPad Computer Email Google Drive Document Sharing Keyboarding Program Organization Safety
<ul style="list-style-type: none"> Primary Mathematics: Singapore Math Whole Numbers to 1,000,000 Whole Number Multiplication & Division Fractions & Mixed Numbers Multiplying & Dividing Fractions and Mixed Numbers Area of Triangle Ratio Angles Decimals Multiplying & Dividing Decimals Percentage Average Rate Graphing & Probability Properties of Triangles and Four-Sided Figures Tessellations Surface Area & Volume 	<ul style="list-style-type: none"> Literacy Focus Developing awareness of author's craft, vocabulary development, and drawing inferences supported through textual evidence are main areas of focus. Students will determine a purpose for reading and will use appropriate comprehension strategies dependent on the type of text to build a deeper understanding of literature. Students will actively participate in discussions, reflections, and presentations. Word Journey's Spelling Writing Building quality writing pieces with advanced word choice, details, and support, detailed focus on writing process and peer editing Grammar Zaner-Bloser Grammar, Usage, and Mechanics Writing Projects Short Written Responses Informative/Explanatory Essay Research Paper Narrative Argumentative Essay 	<ul style="list-style-type: none"> Geography & Maps Environmental impact on people Exploration and the impact on the future Slavery American Revolution Manifest Destiny & Westward Expansion Civil War Economic Impact 	<ul style="list-style-type: none"> Force Push/Pull Balanced forces Newton's Laws Application to World Around Us Work & Energy Power Measurement Uses & Applications Electromagnetism Motors Generators Power Scientific Method Lab Report Writing Discussion Gardening Measurement Presentations Rube Goldberg Project 	<ul style="list-style-type: none"> Skill and Technique Development Positive and Negative Space Surrealism Landscape Components Watercolor Spatial Awareness Balance Movement Art Journal Use of different media Artist Studies Projects Surreal Landscape Pop Art Name Sculpture Ink Tree Stained Glass Window Pop Art Watercolor Tree House Radial Symmetry Name design Tea Pot Design Symmetrical Design 	<ul style="list-style-type: none"> Focus on skill development, agility, and positive sportsmanship Cooperative Games Soccer Field Hockey Ball Handling Throwing and Catching Fitness Testing Basketball Hoops for Heart Rope Jumping Volleyball Gymnastics Handball Games Unit 	<ul style="list-style-type: none"> Cuéntame Más workbooks Integration of reading and writing by developing stories Reading for meaning Conjugating of regular -ar, -er, and -ir verbs in present tense Verbs, ser and estar (to be) Plurals Identify cognates Geographic terms Lead Spanish Heritage celebration 	<ul style="list-style-type: none"> Guitar Treble Staff Reading Notes Lessons taught through performance music Winter and spring music concerts Fifth Grade Musical Learn proper performance techniques Singing in Harmony Contemporary / 20th Century period composers Composing melodies in treble clef Optional Band 	<ul style="list-style-type: none"> Comprehension strategies for reading fiction and nonfiction Compare and contrast characters from same or various authors Make connections between books and own life, other books, and the world around us Writing several paragraphs in response to prompts related to stories/topics Create bibliography of at least 5 sources used for gathering information Presentations Research Endangered animals and ways to save them using books and iPad Computer Email Document sharing and Editing Google Drive Organization Keyboarding Program Safety






Cougar Cubs EARLY CHILDHOOD EDUCATION PROGRAM

Our goal for the early childhood program at The Calverton School is for our children to become enthusiastic learners and to thrive as members of the classroom community. We want children to become independent, self-confident, curious learners who can work well with others. Most importantly, we're teaching them how to learn, not just during early childhood, but all through their lives. We do this by creating a curriculum that is rich with purposeful and productive experiences that help children grow in all areas.

3K

4K

K

Language and Literacy	Social & Emotional Development	Mathematics	Enrichment	Learning Through Investigations
<p>Guiding young children to discover the use, value, and love of language is our goal</p> <ul style="list-style-type: none"> Building vocabulary, facilitating conversations, leading discussions that engage children and modeling correct, clear language to foster communication skills Encourage the use of writing tools such as crayons, pencils, stickers, paint brushes, markers, scissors, play dough, and other manipulatives to develop and support eye-hand coordination and small/motor control Creating an environment that stimulates language interest and exploration by presenting interesting, diverse materials, singing, and dramatic play Storytelling for vocabulary expansions and comprehension (use of picture clues) Activities that promote print awareness (ABC's) and exploration of phonetic sounds Providing play situations that support social language development of conversational and communication skills Providing visuals around the room that support print awareness and understanding the purpose of print 	<p>As we know, establishing a structure for daily routines and expectations is integral in an early childhood program; however, there are times when an unstructured environment is beneficial. A very important part of a child's growth is their social and emotional development. Social and emotional skills are strongly linked to future success in school and in life. Self-confidence, self-control, and establishing positive relationships is a large part of their daily learning. Through play, social and emotional growth occurs.</p> <p><u>Unstructured Play:</u> Unstructured play is open-ended with unlimited possibilities. Children engaged in unstructured play are in the process of establishing their own objectives.</p> <ul style="list-style-type: none"> Center Activities Writing Dough/Clay Modeling Art Dramatic Play Block/Lego Building Sand and Water Sensory Play Natural Playground/ Outdoor Play Tricycle Riding Chalk Drawing Sand Box Dramatic Play on Outdoor Stage 	<p>Building an awareness of the relevance of math in daily life and supporting each child's curiosity and interest in the many areas of mathematical thinking are important in our 3K classroom. Mathematics is incorporated in so much of the hands-on daily routine for our children, that is a natural connection to their interests.</p> <ul style="list-style-type: none"> Number concepts and operations (counting objects, songs, and games) Explores and describes spatial relationships (Follows simple direction using directional vocabulary – up, down, next to, under, over...) Explores and describes shapes (blocks, puzzles, art projects,...) Compares and measures (sorting objects and by attributes) Demonstrates knowledge of patterns (clapping, stringing beads, tiling design) 	<p>We at the Calverton School feel that it is important to facilitate students' exploration in many different areas. The Lower School special areas enrich and complement the students' homeroom experiences. Special area teachers provide activities designed to build skills, encourage exploration and creativity, and promote problem solving and collaboration.</p> <p>Early childhood music program provides opportunities for listening, singing movement, and playing percussion instruments. Traditional songs, instrument exploration, and expressive movement, round out this music experience. Students learn to sing in tune, find a steady beat and empathy in music.</p> <p>Visual arts are brought into the classroom to include skill building such as painting, drawing, sculpting, cutting, and pasting. Students in all grade levels are encouraged to use their creativity and desire to explore using visual arts media.</p> <p>Physical education is also an important part of the early childhood experience. Continued lessons in motor skills (running, skipping, hopping, jumping, traveling, balancing) and spatial awareness help students build their gross and fine motor development. Students work together to learn the value of teamwork and respect.</p> <p>Children spend time in our Lower School library for literacy enrichment. Students are exposed to many genres of books with corresponding activities. Students listen to stories, participate in movement activities, and are provided opportunities that promote and use print awareness.</p> <p>The enrichment opportunities are provided for The Early Childhood students to elevate and inspire educational curiosity for every child in our program.</p>	<p>Our 3K and 4K program provide learning opportunities through different investigations. Literacy, mathematics, science, and social studies are integrated throughout these studies, purposeful play, and daily activities. These intentional learning opportunities allow for thinking skills such as problem solving, questioning, logical reasoning, processing, and communication.</p> <p><u>Investigation Studies:</u></p> <ul style="list-style-type: none"> Beginning of Year Clothing Recycling Buildings Trees Balls <p><u>Science:</u></p> <p>The emphasis is on offering sensory experiences that allow children to discover the world around them. Through hands on experiences, children are encouraged to use inquiry skills. Based on students' discoveries within each study, experiments and opportunities are created. Through the use of different tools and technology, we provide opportunities for our students to demonstrate knowledge of living things, physical properties of objects, and the earth's environment.</p> <p><u>Social Studies:</u></p> <p>Social studies is the study of people and the ways they relate to others. When young children explore social studies, they learn how to be researchers, critical thinkers, and active members of a classroom community. We work to have our students demonstrate knowledge about themselves, show an understanding of people and how they live, celebrate what makes everyone unique, and demonstrate simple geographic knowledge.</p>
<p>In 4K, the environment is very rich in print. Students start to see the relationship of symbols to the spoken word</p> <ul style="list-style-type: none"> Student daily journaling to promote individual story dictation and print usage Group meetings and discussions for listening and participation in conversation Phonological awareness through rhyming and alliteration Group writing and writing for a purpose Handwriting Without Tears program Refining motor skills and left to right sequencing Using stories for predicting, vocabulary building, author/illustrator role understanding, and comprehension (problems, events, resolutions) Providing opportunities that support social aspects of language development for use of appropriate conversational and communication skills 	<p><u>Structured Play:</u> Structured play has a set of rules with specific objectives. During structured play children are seeking the most efficient way to achieve pre-existing objectives.</p> <ul style="list-style-type: none"> Teacher Guided Activities Circle Time Games Following Daily Routines Lunch/Snack Organized Indoor Games Cards Bingo Movement & Song Projects Organized Outdoor Games Tag Red Light/Green Light Sports Gardening <p>An important part of the center time activities is talking with children as they play to describe what they are doing, question, and encourage children to express ideas in words. This allows children to develop language and communication skills.</p> <p>In Kindergarten, students are still growing socially and emotionally and continue to be provided with structured and unstructured play opportunities. We also support students in developing Habits of Mind skills that include:</p> <ul style="list-style-type: none"> Listening Attentively Working Independently Following Directions Showing Good Organizational Skills Demonstrating Perseverance 	<p>In 4K, children are increasing familiarity with basic mathematical concepts; building confidence in their problem solving abilities and skills. The natural incorporation of mathematics into the daily routine from the moment they step into the classroom each morning, to lining up on a number line as they exit, brings mathematical awareness in the world around us.</p> <ul style="list-style-type: none"> Increasing concepts and operations with number understanding and recognition (hands-on counting of snacks, objects, identifying and writing date, number of the day) Continue practice of one to one correspondence Expand knowledge of shapes (two and three-dimensional shapes, classroom and outdoor shape hunt...) Measures, quantity and comparison (lengths of objects, amounts, distances traveled, children in each center...) Developing more complex knowledge of patterns and sorting by more than one attribute (clothing, balls, shapes, sizes...) Using graphs and charts to organize and read data 	<p>Our Spanish program begins in Kindergarten with introducing the language through games, songs, movement, and pictures. Our Cougar Cubs participate in different celebrations and presentations throughout the year to begin sparking their interest and curiosity of the Spanish language.</p> 	<p>In Kindergarten, science is an opportunity for children to extend and deepen their curiosity, interest, and understanding. There is a focused effort on inquiry, hands-on learning, and the scientific process.</p> <ul style="list-style-type: none"> Dinosaurs Solar System Weather Ecosystems Chesapeake Bay Shadows Farming <p>In the Kindergarten classroom, children continue their study of people and how they relate to those around them. Their curiosity is enriched by including additional areas of Social Studies that allow them to form a deeper understanding for the world around them.</p> <ul style="list-style-type: none"> Discussing and learning about how to be a good friend and leader Learn about different holidays and traditions through literature, games, and activities Study of different historical figures and their impact Introduction to geography and types of maps
<p>Teaching literacy skills within the framework of the daily curriculum is our goal. Identifying and writing letters, letter/sound associations, word recognition and sequencing of events in a story are addressed in meaningful activities</p> <ul style="list-style-type: none"> Increased use of print and books, including big books, charts, riddles, rhymes, and poems Read-alouds and story comprehension build on sequencing skills, predicting, connections to character and plot, cause and effect, compare and contrast, and drawing conclusions Use of literature to recognize reality versus fantasy Practice writing: labeling work, formation of letters, inventive spelling on drawings and journal entries Daily meetings and directed group discussions strengthen the students' ability to follow a topic and respond through problem-solving, planning, and gaining understanding of other viewpoints Phonics instruction of direct letter and sound combination correlation Handwriting instruction of correct formation and placement of letters Sight word instruction to build beginning reading skills Writing: Children begin using words to form telling and asking sentences with capitalization and punctuation, which moves into thank you notes and short paragraphs 		<p>Building upon the earlier math concepts, the Kindergarten year brings a more structured lesson design. Children work in whole group, small group, and individual settings. Children will continue to participate in hands-on learning to develop mathematical thinking.</p> <ul style="list-style-type: none"> Singapore Math : Early Bird Standards Edition Matching, sorting, and comparing (real-life objects with multiple attributes) Reinforcing and exploring numbers and number operations Identify, match, and describe shapes and their features Investigating, recognizing, describing, and extending patterns Using math tools to discover length and size, weight, and capacity Engaging children in thinking mathematically and verbalizing their solutions to practical situations 		

Continue your journey through the Lower School...