

# MACLAY

## LOWER SCHOOL CURRICULUM GUIDE



MACLAY SCHOOL

Be Inspired. Be Determined. Be Unstoppable.





# BE

INSPIRED  
DETERMINED  
UNSTOPPABLE

MACLAY SCHOOL



# WELCOME



We know each child comes to us with their own abilities, dreams, and passions. At MacLay School, we meet our students where they are by providing a nurturing environment that allows all learners to thrive – to take risks, stretch their thinking, and be challenged and cared for. From Kindergarten through Grade 5, our devoted educators build a strong, layered educational foundation that prepares Lower School students to excel in a college-preparatory environment.

**MacLay School is an independent, non-sectarian college preparatory school dedicated to providing a liberal arts education and enabling each student to develop their inherent ability to the fullest extent with a balance of discipline and freedom.**



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# PRE-K THREE

LANGUAGE ARTS	MATH	SCIENCE	SOCIAL STUDIES	WORLD LANGUAGE
Develop print awareness, vocabulary, and listening strategies	Explore number awareness, number patterns, geometry, and measurement	Explore physical properties	Explore all about me, family, communities, and community helpers	Respond to simple greetings and say how they are feeling in Spanish with the support of gestures
Increase alphabet knowledge	Sort objects according to attributes	Explore growth and change of living things	Develop communication skills	Explore numbers, colors, animals, family, weather, and seasons in context and singing thematic songs
Develop phonological and phonemic awareness	Develop spatial relationships using positional words	Discover and explore objects found in nature	Develop an awareness of other's feelings and needs and how best to work and play with others	Rehearse rhymes and tongue twisters
Develop oral language and listening skills	Demonstrate one to one correspondence	Use observation and simple tools to investigate the world around us	Explore holidays through literature, art, and hands-on projects	Exposure to cultural family practices and greetings
		Explore the seasons and weather		



DEVELOP  
EXPLORE





PHYSICAL EDUCATION	MUSIC	GUIDANCE	ART
Increase physical activity and school readiness	Explore listening to a variety of music	Develop listening skills	Use a variety of media and techniques to create art
Develop increased control of small and large motor muscles	Create movement appropriate to musical sounds and rhythms	Learn to use self-talk to express emotions	Explore colors and shapes
Identify body parts, explore different ways to move the body and different positions the body	Keep steady beats in all tempos	Learn to focus attention and self-regulate	Explore a variety of art materials to create hands-on original works of art
Experience and learn running, skipping, and hopping	Begin to match pitches	Learn to make and keep friends	Use Art to enhance studies in Social Studies, Science, and Literature
Develop concepts of space, time, and force	Enjoy music through listening, singing, and movement	Practice asking questions to friends that deal with emotions, feelings, and empathy	
		Learn skills to play together and accept personality differences and similarities	



# DISCOVER OBSERVE





# PRE-K FOUR

Language Arts	Math	Science	Social Studies	World Language
Develop phonological awareness, rhyming words, syllables in a word, blending sounds	Explore the relationship between numbers and quantities and sort and compare objects according to attributes	Explore physical properties	Explore all about me and my family	Respond to simple greetings and say how they are feeling in Spanish with the support of gestures
Produce opposite and compound words	Explore patterns, measurement, and tallying numbers	Explore growth and change of living things	Explore holidays through literature, art, and hands-on projects	Explore numbers, colors, animals, family, weather, and seasons in context and singing thematic songs
Increase alphabet knowledge	Learn to write numbers 0-10	Discover and explore objects found in nature	Discover and explore the diverse city, state, country, and world we live in	Rehearse rhymes and tongue twisters
Develop oral comprehension strategies and skills	Contextualize addition stories to add, contextualize subtraction stories to subtract, and solve addition and subtraction stories using fingers and manipulatives	Use observation and simple tools to investigate the world around us	Develop interpersonal skills	Exposure to cultural family practices and greetings
Develop listening skills and explore different genres of literature	Explore two-dimensional and three-dimensional shapes	Explore the 5 senses		

RESPOND  
INCREASE  
BEGIN  
SHARE





Physical Education	Music	Guidance	Art
Develop and enhance fine/gross motor and activity levels in children preparing to enter Kindergarten	Explore listening to a variety of music	Learn to identify feelings	Use a variety of media and techniques to create art
Identify body parts, explore different ways to move the body, and different positions the body	Create movement appropriate to musical sounds and rhythms	Grow in self-regulation skills	Explore colors and shapes
Further develop skill sets of running, skipping, and hopping	Keep steady beats in all tempos	Introduce empathy and caring for others	Develop a curiosity for creative expression
Develop concepts of space, time, and force	Begin to match pitches	Practice asking questions to friends that deal with emotions, feelings, and empathy	Engage in self-directed play while exploring a variety of art materials
Manipulate large and medium-sized objects	Enjoy music through listening, singing, and movement	Learn skills to play together and accept personality differences and similarities	Share and talk about personal artwork
Continue to learn and practice good sportsmanship		Learn to seek and ask for help	Identify places where art may be displayed or saved



# KINDERGARTEN

Language Arts	Math	Science	Social Studies	World Language
Develop print awareness and begin the development of comprehension skills and strategies	Explore number awareness, patterns, measurement, geometry, and algebraic thinking	Develop an understanding of forces and interactions by building and manipulating simple machines	Develop concepts on how people grow and change, communities, holidays, U.S. symbols, black history, U.S. Presidents, and other famous Americans	Continue to develop oral language with the support of gestures, singing songs, and repeating rhymes
Develop phonemic awareness through both written and oral blending, segmentation of word parts and rhyming, decoding, and sight word recognition	Develop strategies for answering questions, rote counting, count to tell how many, recording numbers, ordinal numbers, addition and subtraction, place value and positions	Explore forces of motion	Develop ways to communicate thoughts, show independence, organization and responsibility, and working in a classroom community	Continue to develop greetings, introduce themselves, numbers, tell time, describe weather, emotions, family, animals, and parts of the body in complete, short thoughts
Be able to read grade level texts with accuracy, purpose, and understanding	Exploring two and three-dimensional shapes, patterns, measurement	Explore the interdependent relationships in ecosystems: animals, plants, and their environment	Develop an understanding of map skills	Respond to questions when given two choices
Develop a combination of drawing, dictating, and writing to share information or an opinion	Communicate mathematical ideas, work in cooperative learning groups and understand mathematical terms	Conduct simple experiments to develop an understanding of the above skills	Demonstrate knowledge of the qualities of a responsible citizen	Explore culture learning about different holiday celebrations
Place words in alphabetical order	Identify, analyze, compare, and sort, two- and three-dimensional shapes		Explain how people do different jobs and work to meet wants and needs	
Identify capital and lowercase letters	Explore the composition and decomposition of numbers 0-20 in different configurations			
Identify letter sound correspondences for single letters, blends, and digraphs	Understanding 0 and two more and 1 less within 0-20			





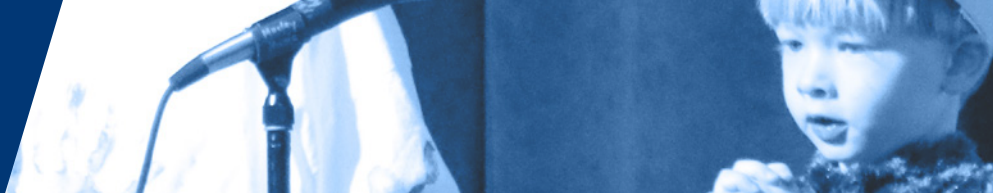


Physical Education	Music	Guidance	Art	Computer Science	Drama
Maintain momentary stillness on different bases of support forms wide, narrow, curled, and twisted body shapes	Further explore listening to a variety of music	Learn friendship skills and give and take	Develop an understanding of different media in art	Introduce basic computer skills including how to use the keyboard and mouse	Engage in creative dramatic activities by using imagination to explore ideas and feelings
Differentiate between movement in personal (self-space) and general space	Learn standard notation	Learn critical problem-solving to get along with friends	Begin to understand basic elements and principles of art	Introduce digital citizenship and online safety	Learn to work in groups to develop and use imagination
Identify active play opportunities outside physical education class	Create and perform sounds on various percussion instruments	Introduce mindfulness and calming techniques	Create art that tells a story about a life experience	Introduce programs and algorithms	Use facial expressions to communicate character emotions in guided creative drama
Follow directions in group settings, use safe behaviors, follow rules, and take turns	Keep steady beats in all tempos	Learn the beginning steps of conflict resolution	Engage collaboratively on art projects through experimentation, and build skills in various media and approaches to art making	Develop and debug simple programs with sequences and loops	Engage in dramatic play to create or retell a story
Acknowledge that some physical activities are challenging/difficult	Enjoy music through listening, singing, and movement	Cooperate within a group and learn leadership skills			Use voice, movement, and body language to express emotions and characters in stories
Identify physical activities that are enjoyable		Grow in exhibiting helpful responses to friends in need and show compassion and empathy			Develop spatial awareness and physical control
					Develop focus and concentration through participation in drama and music activities

PLACE  
IDENTIFY  
CREATE  
ENGAGE







# FIRST

Language Arts	Math	Science	Social Studies	World Language
Promote a love of reading by exploring a variety of genres	Represent and solve problems involving addition and subtraction using a variety of strategies	Use of engineering design model to test solutions and answer questions	Develop ways to communicate ideas orally, in written expressions, and through public speaking	Communicate verbally on familiar topics using short phrases
Cultivate decoding and encoding skills to promote fluent independent reading	Understand the relationship between addition and subtraction	Plan and conduct investigations of sound and light	Examine locations of people, places, and environments and describe their characteristics through map making	Introduce alphabet and beginning sounds
Study and develop an understanding of spelling patterns used in a developmentally appropriate context	Apply place value understanding and operations to add and subtract	Explore and observe the characteristics, diversity, and life cycles of organisms	Compare and contrast everyday life in different times and places around the world and recognize that some aspects of people, places, and things change over time, while others stay the same	Practice using listening and speaking skills of previously learned vocabulary and tell likes and dislikes using food vocabulary
Foster skills within the writing process using a variety of styles	Measure and compare lengths using standard and nonstandard unit	Develop a scientific vocabulary	Understand basic economic concepts including goods and services as well as needs and wants	Develop the use of high-frequency vocabulary using polite expressions and common phrases
Utilize a range of comprehension skills and strategies	Tell and write time to the hour and the half hour	Use observations of the sun, moon, and stars to describe solar patterns that can be predicted	Engage in discussions on values, responsibilities, and global citizenship by exploring and describing similarities and differences in the way groups, societies, and cultures address similar needs and concerns	Ask permission to move around the classroom, go to the bathroom, or get water in Spanish with support of gestures and describe the weather and daily routines with the support of gestures
Continue to develop and practice listening, organizing, and presentation skills for an authentic audience	Represent and interpret data			Describe animals and familiar objects using size, shapes, and colors
Introduce skills to independently select appropriate level books	Reason with shapes and their attributes			Sing authentic songs to expose them to the music of the culture
	Learn to communicate mathematical ideas, work in cooperative groups, and understand mathematical terms			



Physical Education	Music	Guidance	Art	Computer Science	Drama
Follow the rules and parameters of the learning environment, learn sport games, and good sportsmanship	Begin to read music using standard notation	Introduce self-talk for learning, personal growth, and conflict resolution	Explore uses of materials and tools to create works of art or design	Continue to develop computer skills	Engage in creative dramatic activities by using imagination to explore ideas and feelings
Maintain stillness on different bases of support with different body shapes	Explore playing various percussion instruments	Continue growth in the ability to identify feelings and emotions	Interpret art by identifying subject matter and describing relevant details	Work responsibly with others in the classroom and online	Learn to work in groups to develop and use imagination
Transfer weight from one body part to another in self-space	Listen to and describe music patterns	Demonstrate peer-to-peer conversations that teach calmness, conflict resolution, and making friends	Use observation and investigation in preparation for making a work of art	Continue to create and debug programs	Explore and experiment with vocal choices, facial expressions, movement, and pantomime to express emotions, characters, and stories
Roll with a narrow or curled body shape	Begin reading pitches	Introduce being able to manage worry, anxiety, and stress	Use basic art vocabulary to describe choices while creating art	Construct and demonstrate the steps needed to solve a problem into a precise sequence of instructions	Develop critical thinking skills using creative dramatics, readers, theatre and vocal interpretation
Demonstrate twisting, curling, bending, and stretching actions and move in self-space and general space in response to designated beats and rhythms	Develop a singing voice	Learn to use words to express strong emotions like anger, frustration, and sadness	Compare images that represent the same subject		Develop vocal expression and literacy through storytelling
Discuss the benefits of being active and exercising and/or play and accepts personal responsibility by using equipment and space appropriately		Learn to take turns, self-regulate, and compromise via role-playing games			Develop focus and concentration through participation in drama and music activities
					Respond to drama presentations

MEASURE  
UTILIZE  
REASON  
SING







# SECOND

Language Arts	Math	Science	Social Studies	World Language
Read a variety of genres of literature centered on specific topics	Mastery of addition and subtraction facts as well as introduction to multiplication with use of arrays	Plan and carry out investigations to answer questions or test solutions by using both the scientific method	Develop an understanding about the Earth using map and globe skills and engage in discussion on the continent, country, state, county, and community	Continue to communicate verbally on familiar topics using short phrases
Develop and practice spelling words and vocabulary words	Develop skills in place value, money, adding and subtracting with and without regrouping, measurement, geometric and fractional concepts	Develop a scientific vocabulary and use appropriate tools and scientific instruments to gather information about land, water, and plants	Develop ways to communicate ideas orally, in written expressions, and through presentations	Recite the alphabet and learn the predictability of the sounds of the vowels
Continue to develop and practice the writing process using a variety of skills	Use models to solve problems	Engage in the study of Earth's materials and explore paleontology and fossils	Create a connection between our actions and their impact understanding how actions can affect ourselves, others, and our community	Continue to develop Spanish speaking, listening and pronunciation skills
Introduce and practice writing concepts, writing mechanics, and sentence structure	Communicate and interpret mathematical ideas, working in cooperative learning groups, and understand mathematical terms	Study a variety of animal habitats	Explore basic role of the government and laws and how we work together to create a positive relationship	Introduce reading skills
Develop and practice a variety of comprehension strategies	Interpret and synthesize data from different kinds of graphs and charts	Experiment with three states of matter and conduct investigations to discover that force causes change in motion	Model the interdependence of different communities and the community members and how we all rely on each other	Learn thematic vocabulary association to common verbs
Continue to develop listening and organizational skills	Tell and write time on both analog and digital clocks			Write fill in the blank sentences
Continue to build independent fluent execution of appropriate leveled reading				Act out a play based on a story
				Explore cultural differences and traditions of Spanish speaking countries





Physical Education	Music	Guidance	Art	Computer Science	Drama
Feel competent in a variety of motor skills and movement patterns	Create simple songs composed of melodies using Sol La and Mi	Continuation of problem-solving skills	Understand the applications of some of the Elements and Principles of Art	Continue to develop computer skills	Develop creative critical thinking skills through dramatic activities
Run and skip using a mature pattern	Explore and play percussion instruments	Refine self-regulation skills, accepting challenges, and keeping friendships	Make connections in the world around them through learning about art and artifacts	Understand what is and what is not alright to share online	Explore character development, line interpretation, and imagery by using creative dramatics, pantomime, and stories
Travel showing differentiation between jogging and sprinting	Begin instruction and learn to play ukuleles	Connect literature to emotions and feelings	Make art or designs with various materials and tools to explore personal interests and curiosity	Begin to accurately troubleshoot basic hardware and software problems	Explore artistic choices made through participation in and observation of drama and theatre works
Combine loco motor skills in general space to a rhythm and vary time and force with gradual increases and decreases	Compose and perform self-composed rhythms	Role play to show proactive and reactive responses to daily situations	Distinguish between different materials or artistic techniques for preparing artwork for presentation	Continue to create and debug programs	Develop focus and concentration through participation in drama and music activities
Identify physical activities that contribute to fitness	Identify accented beats and group beats	Learn how to appropriately express strong emotions through hands-on class activities and role play	Understand how art exhibited inside and outside of schools (such as in museums, galleries, virtual spaces, and other venues) contributes to communities	Develop plans that describe a program's sequence of events, goals, and expected outcomes	Develop dialogue in creative drama
Practice skills with minimal teacher prompting and demonstrate responsible behavior and accept responsibility for class protocols with behavior and performance actions		React to pictorial representations of emotions to label and express feelings			Contribute original ideas or choices to group creative drama experiences
					Respond to drama presentations

TELL  
COMBINE  
REACT  
DEFINE





# THE 3RD

Language Arts	Math	Science	Social Studies	World Language
Read a variety of genres and make age-appropriate level selections	Mastery of addition and subtraction skills using multi-digit numbers	Plan and carry out investigations to answer questions or test solutions by using both the scientific method and the engineering design method v(Example: Egg-drop Challenge)	Engage in discussions about communities, geography, U.S. government, map skills and large cities in America	Build vocabulary and scaffolds, in the sense that words that are known are constantly reviewed while new words are added
Practice and develop a variety of comprehension skills and strategies	Quick recall of multiplication skills (0-12)	Develop scientific vocabulary	Learn the 50 states and their abbreviations using a U.S. map	Use listening and speaking skills in a variety of small and large group activities
Practice writing concepts, writing mechanics, cursive, sentence structure, and grammar and usage	Develop skills with multiplication and division whole numbers, distributive and communicative properties, place value, and develop fractional understanding and use measurement skills to define two-dimensional shapes	Develop ways to communicate findings both orally and in written expressions	Develop ways to communicate ideas orally, in written expressions and through presentations	Make oral presentations which require group work and preparation
Develop and practice spelling words and vocabulary, base words, affixes, and sight words	Explore number routines that include time, elapsed time, area, calendar, and estimation	Use appropriate tools to collect quantitative and qualitative information on animal behaviors, adaptations, habitats, and role in ecosystems	Develop strategies to work effectively and efficiently in small groups	Read short stories and work on reading and writing comprehension activities
Continue to develop and practice the writing process using a variety of styles	Be able to communicate mathematical ideas, work in cooperative learning groups, and understand mathematical terms	Engage in a study of motion, designs, magnets, and chemical tests	Engage and discuss traditional manners in the use of technology, tables manners, and a variety of social settings	Complete a variety of activities that are carefully sequenced to ensure success
Continue to develop listening, organizational, and study skills				Act out a play
Develop higher level of reasoning skills through shared inquiry of rich literature				
Use dictionary skills with a text and digital tools	Collect data and interpret graphs			



Physical Education	Music	Guidance	Art	Computer Science	Drama
Develop a variety of motor skills and movement patterns, i.e., travel showing differentiation between sprinting and running	Sing composed melodies using Sol La and Mi	Learn skills and components that relate to the MS and US Honor Code	Communicate with an audience through choice-making in artistic processes	Continue to develop computer skills	Develop creative, collaborative, and critical thinking skills through dramatic exercises
Leap and land in the horizontal and vertical planes using a mature pattern	Use and play world percussion instruments	Refine and grow focusing and attention skills	Elaborates independently on an imaginative idea	Continue to accurately troubleshoot basic hardware and software problems	Develop vocal expression and literacy through storytelling
Apply knowledge of previously taught physical education skills	Continue instruction and playing ukuleles	Growth of self-talk and advocacy skills	Question the processes an artist uses to create a work of art	Create and debug programs that include sequences, events, loops, and conditionals	Experiment with physical and vocal choices to develop a character in a creative drama experience
Recognize locomotor skills specific to a wide variety of physical activities and combine movement concepts (direction, levels, force, time) with skills, as directed by the teacher	Compose and perform their own music	Understand the emphasis on empathy, compassion, and care and concern for others	Demonstrate a wider range of artistic vocabulary	Take on varying roles, with teacher guidance, when collaborating with peers during the design, implementation, and review stages of program development	Create storylines for improvisation
Identify physical activities to become healthier	Identify music with two, three and four beats' instruments	Begin to learn conflict resolution skills	Understand the purpose and application of the Elements and Principles of Art	Discuss digital safety and practice being positive digital citizens	Become familiar with basic theatre vocabulary, stage direction, and stage movement techniques
Engage actively in the activities of physical education class without teacher prompting		Continue to learn mindfulness skills to enhance personal growth and peer relations	Understand content by adding details in an artwork to enhance emerging ideas		Collaborate with other students to retell and create theatrical works
Describe the concept of fitness and provide examples of physical activity to enhance fitness and work cooperatively with others					Identify artistic choices made through participation in and observation of drama and theatre
					Participate in full-scale Theatre Production presented at the end of each year for the entire school community


## STRATEGY QUESTION DISCUSS VOCABULARY









# FOURTEEN

Language Arts	Math	Science	Social Studies	World Language
Read a variety of genres of literature focusing on specific topics and make level-appropriate selections	Continue to expand quick recall of addition, subtraction, and multiplication skills	Plan and carry out investigations to answer questions or test solutions by using both the scientific method and the engineering design model	Develop a true understanding of Florida, its history, its geography, and the challenges it faces	Build vocabulary and scaffold, in the sense that words that are known are constantly reviewed while new words are added
Develop a variety of comprehension skills and strategies	Continue to develop and have quick recall on division skills	Develop scientific vocabulary	Investigate and explore: the natural resources making Florida unique, plant and animal life native to the state, current water issues, Florida's Native American tribes, colonization of Florida, the growth of Florida in the 20th century, economic changes, agriculture, tourism, the enduring conversation of civil rights	Use listening and speaking skills in a variety of small and large group activities
Develop proficient spelling and vocabulary skills	Understand the systems of units of measurement in relationship to area and perimeter, place value to the millions, division, multiplying by two digits, and understanding basic geometric shapes and formulas	Develop an understanding of plant and animal structures and functions	Communicate ideas orally, in written expression and through presentations.	Read short stories and work on reading and writing comprehension activities
Practice the writing process and written skills using a variety of styles	Explore fraction equivalence and extend this understanding to mixed numbers	Apply scientific ideas to design, test, and refine devices that convert energy from one form to another	Introduce note taking and organization skills	Rewrite a story
Continue to introduce and identify parts of speech, usage, and mechanics	Use angle measurements and plane figures to understand the relationships of points, lines, line segments, rays, and angles.	Develop models of Earth's layers, plate tectonics and natural resources	Continue to develop map skills	Make oral presentations which require group work and preparation
Continue to refine and develop listening, organizational, and study skills	Construct and recognize geometric objects using this knowledge and understanding to classify figures and solve problems		Learn to work effectively and efficiently in small groups	Present a play and develop confidence enunciating Spanish language
Use a variety of media resources to encourage development of higher-level reasoning skills through inquiry				Act out a play based on an original story
Develop strong independent readers and critical thinkers				Talk about traveling to Spanish speaking countries and their customs

## TELL COMBINE



Physical Education	Music	Guidance	Art	Computer Science	Drama	
Balance on different bases of support on apparatus, demonstrating levels and shapes	Learn to play instruments from the wind, percussion, and string families	Introduce and explore diversity with respect to different personalities, perspectives, and preferences	Create works of art that reflect community cultural traditions	Continue to develop computer skills with introduction of typing	Develop creative, collaborative, and critical thinking skills through dramatic exercises	
Transfer weight from feet to hands, varying speed and using large extensions	Use music technology to create own music	Continue growth and development in mindfulness, personal calm, and self-regulation	Through observation, infer information about how or why a work of art was created	Continue to accurately troubleshoot basic hardware and software problems	Experiment with physical and vocal choices to create and show character development	
Combines locomotor skills and movement concepts (levels, shapes, extensions, pathways, force, time, flow) to create and perform a dance with a partner	Compose and record their own music		Begin discussions on self-identity, handling difficult emotions, and feelings	Demonstrate a fluid use and understanding of artistic vocabulary	Continue to create and debug programs that include sequences, events, loops, and conditionals	Use improvisation to creatively solve problems
Combines movement concepts with skills in small-sided practice tasks, gymnastics, and dance environments	Listen to and share original musical ideas	Develop independence skills and learning self-advocation skills	Analyze components in visual imagery that convey messages	Use an iterative process to plan the development of a program	Collaborate with other students to devise and implement original ideas for a creative drama experience	
Completes fitness assessments (pre and post)	Compose and arrange music within specific guidelines		Explore ways to foster independent thinking, feelings, and expression of self	Revise artwork in progress based on the insights gained through peer discussion	Continue to take on varying roles, with teacher guidance, when collaborating with peers during the design, implementation, and review stages of program development	Enhance literacy by writing short plays in groups
Identify areas of needed remediation from tests and identify strategies for progress in those areas		Extend the length of mindfulness practice for use in personal life and mind-body growth	Explore and invent art-making techniques and approaches	Store, copy, search, retrieve, modify, and delete information using a computing device	Acquire public speaking skills to give a speech	
Describe and compare the positive social interactions when engaged in partner, small group, and large group physical activities				Brainstorm multiple approaches to a creative art or design problem		Identify artistic choices made through participation in and observation of drama and theatre
			<div>REACT DEFINE</div>			Participate in full scale Theatre Production presented at the end of each year for the entire school community

REACT  
DEFINE






# FIFTH

Language Arts	Math	Science	Social Studies	World Language
Employ tools of discovery – reading/writing; speaking/listening to create a love for language	Understand the relationships between and among adjacent places on the place value chart	Use models to describe that energy in animals' food was once energy from the sun	Identify core civic virtues and democratic principles that guide government, society, and communities	Build vocabulary and scaffolds, in the sense that words that are known are constantly reviewed while new words are added
Formulate connections to the text by reading and responding to diverse genres	Apply the patterns of the base ten system to mental strategies and the multiplication and division algorithms	Support an argument that plants get the materials they need for growth chiefly from air and water	Explain the effects of increasing economic interdependence on different groups within participating nations	Use listening and speaking skills in a variety of small and large group activities
Construct language-rich classrooms dedicated to the read aloud, and a diverse classroom library	Work with fraction equivalence and decimals, as applied to algebra	Create a model to show the movement of matter among the environment	Explain how the cultural and environmental characteristics of places change over time	Read short stories and work on reading and writing comprehension activities
Engage students in active reading and writing strategies to check for understanding and word choice in the use of vocabulary	Multiply fractions and decimal fractions and begin working with fraction division	Develop a model to describe that matter is made of particles too small to be seen	Describe how the spatial patterns of economic activities in a place change over time because of interactions with nearby and distant places	Develop spelling skills
Chart reading progress by using Fountas & Pinnell to identify 'Just Right' Texts for independent and guided reading	Introduce volume through concrete exploration of cubic units and culminate the development of the volume formula for right rectangular prisms	Measure and graph quantities to provide evidence that the total weight of matter is conserved	Explain connections among historical contexts and people's perspectives at the time	Rewrite a story
Encourage students to participate in local-, state- and nation-wide challenges, contests, and Bees to expose them to the greater community's standards for language arts excellence	Use the number line as an introduction to the idea of a coordinate and construct two perpendicular number lines to create a coordinate system on the plane	Make observations and measurements to identify materials based on their properties	Gather relevant information from multiple sources while using the origin, structure, and context to guide the selection	Make oral presentations which require group work and preparation
	Use the coordinate system to explore relationships between points, ordered pairs, patterns, and lines	Investigate to determine whether the mixing of two or more substances results in new substances		Act out a play based on an original story
		Represent data in graphical displays to reveal patterns of daily changes		Talk about students' lifestyles in Spanish speaking countries



Physical Education	Music	Guidance	Art	Computer Science	Drama
Combine balance and transferring weight in a gymnastics sequence or dance with a partner and transfers weight in gymnastics and dance environments	Play instruments from the wind, percussion, and string families	Refine mindfulness and all it tenants	Combine ideas to generate an innovative idea for art making	Continue practice of typing	Develop creative, collaborative, and critical thinking skills through dramatic exercises
	Further develop the use of music technology	Recognize student ownership to identify personal strategies to manage anxiety and stress	Identify and demonstrate artistic choices for beginning a work of art	Continue to accurately troubleshoot basic hardware and software problems	Create and show character development through dialogue and movement
Combine locomotor skills and movement concepts (levels, shapes, extensions, pathways, force, time, flow) to create and perform a dance with a group	Collaborate with other students to compose music	Identify strong feelings and emotions and learn ways to be resilient	Experiment and develop skills in multiple art-making techniques and approaches through practice	Use data to highlight cause and effect relationships, predict outcomes, or communicate an idea	Use improvisation to creatively solve problems
	Listen to and share original ideas	Practice in admitting mistakes, taking ownership of actions and being mindful of others' feelings and reactions	Demonstrate quality craftsmanship through care for and use of materials, tools, and equipment	Create and debug programs that include sequences, events, loops, conditionals, and variables	Collaborate with other students to devise and implement original ideas for a creative drama experience
Combine movement concepts with skills in small sided practice tasks in game environments, gymnastics, and dance with self-direction	Sing expressively	Develop a sense of resiliency and learn to persist through challenging tasks and events	Create artist statements using art vocabulary to describe personal choices in art making	Continue to use an iterative process to plan the development of a program	Enhance literacy by writing short plays in groups
	Listen to, analyze, and describe music	Work on ways to understand and be compassionate of others in relation to diversity, equity, and cultural norms	Compare one's own interpretation of a work of art with the interpretation of others	Continue to take on varying roles, with teacher guidance, when collaborating with peers during the design, implementation, and review stages of program development	Acquire public speaking skills to give a speech
Analyze results of fitness assessment (pre and post), comparing results to fitness components for good health.			Interpret art by analyzing characteristics of form and structure, contextual information, subject matter, visual elements, and use of media to identify ideas and mood conveyed	Discuss real world cybersecurity problems and how personal information can be protected	Evaluate artistic choices to improve an improvised or scripted theatre work
Design a fitness plan to address ways to use physical activity to enhance fitness				Store, copy, search, retrieve, modify, and delete information using a computing device	Full theatre production
Apply safety principles with age-appropriate physical activities					

LISTEN  
CREATE  
DESCRIBE  
INTERPRET





## RESPONSIVE CLASSROOM

Maclay Lower School Faculty have been trained in **Responsive Classroom** techniques and adapted the concept into their classrooms. The Responsive Classroom is an evidence-based approach to teaching and discipline that focuses on engaging academics, positive community, effective management, and developmental awareness. Our classrooms are places where students feel safe, challenged, and joyful — a place that frees them to learn.

# CAE

CENTER FOR  
ACADEMIC  
EXCELLENCE

MACLAY SCHOOL

The Center for Academic Excellence supports and promotes a high standard of learning for all through support and extension opportunities at our Learning Hub and professional development through Faculty Excellence program.

The CAE serves all students in Lower, Middle, and Upper School with learning specialists designated to each division so our staff knows each student as individual learners and can partner with parents to make sure every child is being challenged and their needs are being met.

## The Learning Hub

We believe that each child follows a unique learning path. Our staff partners with our faculty and families to support students' strengths and challenges in the classroom. We accomplish this by providing intervention and support services as well as enrichment opportunities for those who wish to add additional rigor and extension to their learning.

### The Learning Hub services include:

- Learning Profiles & Accommodations
- Student observation and progress monitoring
- Small Group Tutoring
- Individual Tutoring
- 1:1 intervention
- Speech Therapy
- Testing Center
- Writing Labs
- Language Lab
- Study Strategies
- Standardized Testing Strategies
- Parent Education Workshops
- Homework support and peer tutoring
- After School Enrichment
- Summer Camp Academic Courses

Most CAE services are charged separately. To learn more, contact:

**Director Janine Couch, [jcouch@maclay.org](mailto:jcouch@maclay.org).**

## Special Areas

One of the most unique features of Lower School at Maclay are the numerous co-curricular classes, or Special Areas, that our students are exposed to as early as PreK-3. Drama, Art, Music, Spanish, Computer Science, PE and Guidance all play a role in building a solid, well-rounded foundation for all our students. All of the Special Areas are part of the schedule rotation, and our afterschool programs offer Enrichment courses that give students an opportunity to go even deeper into academics, music and the arts, and athletics.













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