



PYTHAGORAS  
ACADEMY



INSPIRING JOY, CURIOSITY  
AND INNOVATION



## MESSAGE FROM OUR HEAD OF SCHOOL

At the heart of every child and youth is a curious person. Pythagoras Academy teachers are experts at connecting to students and engaging them deeply in their learning by taking into account the unique qualities of the students they teach. Our students understand that they belong in our community because they 'stand out' and not because they try to 'fit in'.

Students need both creative and complex challenges to thrive. In this light, we have designed many specialized programs to encourage this creativity and to build on students' problem-solving skills. We have a world-class musical theatre program and information technology/broadcasting program where students are innovative, expressive and confident. Creativity abounds in our Story Studio, our innovative writing space.

We take pride in our students' collaboration and communication skills. We develop our students' confidence by coaching them during collaborative, real-world problems solving activities. Learning to work together and knowing how to give and take, appreciate others and generate quality ideas together are skills our students will need in the future. Our learning process is dynamic, crosses disciplines, and often involves a Fine Arts component.

Our parent community works in harmony with our school leadership and warm-hearted, talented staff. Together we create an enriched environment where students feel safe, cared for and supported to invest all of themselves into their learning opportunities.

If you are beginning to get to know Pythagoras Academy, you are welcome to explore our website, book a tour, or speak with me directly about any questions you may have. We welcome all parent inquiries and encourage parents to connect with us on our life-long journey of building a healthy, compassionate, and innovative learning community.

Warmest regards,

A handwritten signature in black ink that reads "Michael Bouchard". The signature is written in a cursive, flowing style.

Mr. Michael Bouchard  
Head of School



# PYTHAGORAS A C A D E M Y

## OUR MISSION

We create powerful, engaged learning in both the Arts and the Sciences. We use innovative techniques to enhance our student's life-long passion for learning through varied instructional strategies, and exposure to a variety of Fine Art disciplines.

Motto: **PER ASPERA AD ASTRA** (Through Effort to the Stars)

## PHILOSOPHY

Pythagoras Academy is founded on the Renaissance Humanist Philosophy of education which has the classically well-rounded development of students as individuals, and as productive members of society, as its highest goal. It takes into account the student's entire innate potential, and honours the child's dignity and worth in the process.

Our philosophy highlights the humanist dimensions in education, which means that our foremost goal is to develop the child's critical thinking, as well as their creative faculties, and to highlight those as tools that are more valuable than any other external aids. We emphasize creative thinking, as well as innovation, excellence, aesthetic appreciation, expressiveness, and joy.

We take inspiration in our educational approach from Pythagoras, a classical Greek philosopher whose brilliant work informed many of the renaissance humanist ideas, and from there, much of our modern thinking. Pythagoras discovered the Golden Ratio, a mathematical principle of a perfect proportion of the whole to its parts.

The mathematical symbol for the Golden Ratio is  $\Phi$  (phi), and it has fascinated scientists and thinkers since its inception because it postulates that the Golden Ratio is not only consistent in the physical proportions of most living beings, but also determines proportion in architecture, and describes the dynamics of phenomena in astronomy.

Much in the way Pythagoras sought to describe the universal beauty and harmony in the relation of whole to its parts, we at Pythagoras Academy seek to establish a perfect balance in your child's education. We believe that effective learning requires motivation, effort, and persistence, and we strive to inspire our students to develop all of these facets equally.

Pythagoras Academy provides an extraordinary education for all children. Each child's unique path to achievement is supported through an academically exciting and challenging program.

A dynamic, diverse community of teaching professionals work collaboratively, innovating and inspiring one other, as well as their students. The teachers get to know their students closely, and recognize and nurture the intellectual, developmental, and cultural uniqueness of each child.



# PYTHAGORAS ACADEMY



**G**RATITUDE

**R**ESPECT



**O**PEN MINDED

**W**ONDER





# PYTHAGORAS ACADEMY

## FINE ARTS

At Pythagoras Academy, we believe in empowering each students' creative and unique voice, valuing the energy each one brings. Our approach to fine arts is not confined to traditional methods; instead, we encourage a contemporary perspective that intertwines the student's journey with artistic practices. We strive to create art that is not only aesthetically beautiful, but also holds profound meaning. Through this commitment, we cultivate an environment where students can explore their artistic potential and discover the transformative power of art in their lives.

### VISUAL ARTS

The immense importance of visual arts as a means of self-expression and creative exploration can't be understated. Our dedicated arts-studio provides a nurturing environment where students can unleash their artistic talents through painting and drawing. During our vibrant Arts Week, students immerse themselves in a kaleidoscope of artistic activities, further fuelling their passion for the visual arts. To celebrate their achievements, we host engaging contests and exhibitions, showcasing their remarkable works both within the school and in the wider community. Through these artistic endeavours, our students not only develop technical skills but also cultivate a deep appreciation for the power of creativity to connect and inspire.





# PYTHAGORAS ACADEMY

## FINE ARTS

### MUSICAL THEATRE



Students develop skills in singing, dance and drama and showcase their understanding through the annual Winter Concerts, garden parties and the whole school musical production, with the latter being performed at a local 550 seat theatre. As a discipline, “Musical Theatre” offers measurable educational and social benefits. Staff see that students who participate in the arts have higher levels of achievement across the curriculum. As a school, Pythagoras Academy has produced annual school musical productions since 2016. Musical productions enrich students’ lives by offering them an opportunity to build friendships, understand the importance of responsibility and allow students to create special memories that they will cherish forever.

### MUSIC

Through our diverse range of music programs, students explore multiple instruments, engage in advanced band options, and reap the numerous educational benefits music offers. From piano to guitar, drums to vocals, our students discover their unique musical voices while developing critical thinking skills, enhancing memory retention, and fostering creativity. Collaborative music-making experiences promote teamwork and empathy, uniting students from diverse backgrounds. In addition, our school proudly offers a Garage Band program, providing students with the opportunity to unleash their creativity through digital music production. Join us in celebrating the joy of music and unlocking the doors to a harmonious journey of learning and self-discovery.





# PYTHAGORAS ACADEMY

## ATHLETICS

At Pythagoras Academy, we understand the importance critical thinking plays in our young learners' lives. We strive to find different outlets for students to build these important skills. One way we are doing this is by giving our students more opportunities through Sport. Young athletes are working to understand the rules of the game, practicing often, monitoring and evaluating their performance, meanwhile acknowledging our commitment to improvement and remembering that learning (the game) is never over. Just like a first-time basketball player isn't ready to play in the NBA, a newcomer to critical thinking strategies is only at the beginning stage of their critical and reflective journey. In Sport, this process involves developing a deep understanding of ourselves in relation to others, practicing often and reflecting on our mistakes. As a whole, our physical, emotional, and mental health are interconnected.

Throughout the year, students participate in activities and sport events, such as Sports Day, with members from their house team. The teams also work together, across the grades, to earn points for their team by demonstrating kindness, effort, and being helpful.





# PYTHAGORAS A C A D E M Y



## PYTHAGORAS ACADEMY PARENT ORGANIZATION 'PAPO'

When your child enrolls in Pythagoras Academy, you will automatically become a member of the Parents Organization of Pythagoras Academy 'PAPO.' All PAPO members are committed to enriching children's education and being a connected part of academic journeys at Pythagoras Academy!

The PAPO Executive organizes PAPO activities and events and encourage parent involvement in school, supporting programs that promote parent involvement. We aim to promote cooperation between the home and school in providing support for the education of our children. We represent the voice of all school parents. The Executive team helps to organize all the PAPO events during the course of the school year, such as the most recent uniform sale, Breakfast with Santa, Book Drive, Silent Auction/PA Gala and Teacher's Appreciation Week, and other fundraising events. We always appreciate feedback, suggestions and mostly help from PARENTS.



# PYTHAGORAS ACADEMY

## LANGUAGES AND GLOBAL CONNECTIONS

At Pythagoras Academy, we recognize the importance of learning multiple languages and facilitating global connections in preparing our students for a diverse and interconnected world.

Our language programs, which encompass various languages in addition to English, including French and Mandarin, allow students to learn through valuable linguistic and cultural experiences. Students not only gain language proficiency, but also develop an appreciation for diverse cultures and traditions. By learning to communicate with others in different languages, students develop empathy, tolerance, and respect for cultural differences. They become more open-minded and adaptable, with a broader worldview that extends beyond their immediate surroundings.

Moreover, we prioritize relationship building within our school community and beyond. Our students engage in collaborative projects, cultural exchanges, and virtual connections with students from around the world. Through these experiences, they develop a sense of shared humanity, learn to appreciate different perspectives, and build lifelong friendships.





# PYTHAGORAS ACADEMY

## **'SEL' CURRICULA: 5 CHAIRS, 5 CHOICES**

Pythagoras Academy, with the leadership from our Head of School, is integrating sound practices in their own Social Emotional Learning 'SEL' curricula. The *5 Chairs, 5 Choices* program, inspired by TED Talks speaker, author, and consultant, Louise Evans, is the first of its kind in Canadian schools.

This program, acts as a behaviour compass which outlines some of the choices we make when bringing certain behaviours into the world, including how these choices can effect our relationships with ourselves and others. Specifically, each chair represents a different set of behaviours and attitudes that we can choose from and react with. Some of these chairs are positive and virtuous, while others can be toxic and unproductive. As we travel through the 5 chairs, we can become more aware of the way we think, feel, and behave in the world.

These SEL principles are taught to students and practiced with adults in the school and outside of it. In fact, these strategies are anchored by every facet within our school community and carefully planned in pursuit of the clearest of goals, namely healthy connection and communication. Learn more by scanning the QR code.





# PYTHAGORAS A C A D E M Y

## INFORMATIONAL TECHNOLOGY & DESIGN

At Pythagoras Academy, students are exposed to advanced technology skills during their I.T classes from Junior Kindergarten to grade 8. Specifically, we cover the following topics in Applied Design Skills and Technology & Information Technology: digital citizenship education, in-depth learning about Google Suite for Education, Google Chromebooks (Grades 4 and up), robotics, droids, programming, iPads, iMacs, 3D modelling and printing, vinyl printing, digital storytelling, augmented reality experiences, wearable technology, student lead video news broadcasting and much more.

During the year, all students are introduced to inquiry-based activities that serve as a bridge to engineering and design. These activities also incorporate STEM components (science, technology, engineering and mathematics) which slowly prepare students for programming and robotics. Students in grade two and above have a choice to take part in First Lego League Jr. and First LEGO League Robotics competitions. They can gain experience designing and programming with Wedo 2.0 and EV3 robots during I.T classes. There is also an option to participate in our LEGO Robotics extracurricular clubs after school. This club offers exciting opportunities to learn with hands-on activities.

At Pythagoras Academy, we are committed to equipping our students with the essential skills and knowledge needed in the ever-evolving world of technology and design. Through our robust IT and Design program, students develop critical thinking, problem-solving, creativity, and collaboration skills, setting them on a path towards success in the digital age.





# PYTHAGORAS ACADEMY

## STUDENT ADVISING AND ADVANCEMENT

At our school, we pride ourselves on providing comprehensive support and guidance to our students and families. By providing student advising and advancement services, we are here to assist students in their academic development journey. With a focus on individualized attention, the Student Advisor offers mentorship and academic planning to families to ensure each student's success and well-being. They provide a safe space for students to discuss challenges, set goals, and explore their passions, fostering a positive and empowering environment for growth.

Additionally, our Advancement Officer plays a crucial role in fostering strong relationships with our school community and advancing the school's mission. They work closely with parents, alumni, and community partners to cultivate meaningful connections and collaborations. Through their dedicated efforts and services, they contribute to the long-term success and sustainability of our school.





# PYTHAGORAS ACADEMY

## ADMISSIONS

No matter which stage of your child's academic journey you are considering, our admissions team is here to provide personalized guidance and support. We invite you to explore our website, attend information sessions, and schedule a visit to experience firsthand the exceptional education we offer. Join our vibrant and inclusive community as we inspire young minds, nurture their growth, and empower them to achieve greatness. We accept applications for Junior Kindergarten to Grade 8 throughout the year.

### SCHOOL TOURS & OPEN HOUSES

Our school tours offer a personalized experience, allowing you to witness the daily life of our students and immerse yourself in our learning environment. Accompanied by our knowledgeable staff, you will have the chance to visit classrooms, see our students in action, and gain a deeper understanding of our teaching methods and curriculum.

### ADMISSION PROCESS

1. Parents/Guardians fill out the application online, submit all required documents and pay the application fee.
2. The school office will confirm the registration.
3. The school office will contact the parents/guardians to schedule an evaluation.
4. The teacher and student will complete an evaluation.
5. The school office will send the decision to the parents/guardians.
6. Parents/Guardians complete the enrolment.

### SCAN TO APPLY



### TUITION FEES

We offer competitive rates for domestic students and slightly higher fees for international students, considering additional support services. Our website provides comprehensive information on current tuition rates, payment options, and any applicable fees.

### TUITION FEES





**PYTHAGORAS**  
A C A D E M Y

# JUNIOR KINDERGARTEN CURRICULUM OVERVIEW



## CROSS CURRICULAR

### OUR APPROACH

Embarking on a mesmerizing journey of cross-curricular exploration, young minds embrace the enchanting world of building, connecting and sharing stories.

In Junior Kindergarten, cross-curricular learning is integrated to provide a well-rounded educational experience. For instance, a nature-themed unit could involve exploring the concept of seasons, where students may observe and document changes in the environment throughout the year. By intertwining multiple subject areas, cross-curricular learning promotes a comprehensive understanding of topics, nurtures creativity and communication skills.

## G . R . O . W

USED IN CONJUNCTION  
WITH  
**5 CHAIRS, 5 CHOICES**

G - Gratitude

R - Respect

O - Open-Hearted

W - Wonder

# LITERACY

## OUR APPROACH

Junior Kindergarten students are immersed in a literacy-rich learning environment that allows for extensive pre-reading and vocabulary development.

Students make connections between their speaking, reading, writing and listening skills by engaging with learning manipulatives like loose and natural parts or handmade props, while answering questions like “What story lives here?” or “What can you create?” Often, students will come up with the main character and problem of stories or act out familiar texts, which helps them in learning about themselves and the world around them.



# NUMERACY

## OUR APPROACH

Numeracy, often misunderstood as only being associated with mathematics, is the ability and intention to apply mathematical concepts and problem solving skills across various areas of learning. When students are given real-life cases, they can apply their mathematical concepts and skills to gain transferable learning experiences.

In Junior Kindergarten, students learn through purposeful play. Students use their mathematical thinking, like reasoning and describing, while exploring materials and subjects, like patterns in seasonal changes or how snow drifts in a snow globe. By carefully utilizing their innate way of being and pairing it with intentional learning activities students combine play-based learning with mathematical ideas and strategies.



# PYTHAGORAS ACADEMY

## KINDERGARTEN CURRICULUM OVERVIEW



## CROSS CURRICULAR

### OUR APPROACH

Cross-curricular learning encourages students to engage with material from a variety of viewpoints and to see the relationships between different subject areas.

For example, a student's interest in learning new language and connecting with new friends can be integrated into French, social studies and science where they can learn about new places, weather and meet new friends. This meaningful and interconnected way of learning develops a strong foundation for future learning, where they can build upon their prior knowledge and continue to make authentic connections.

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# LITERACY

## OUR APPROACH

Kindergarten students are taught the necessary skills and strategies to become confident and competent communicators. Through a focus on the structure of stories, literary elements and devices, strategies and processes, students develop the fluency and accuracy required to comprehend and produce texts.

Students are taught fundamental skills such as concepts of print, letter knowledge, phonemic and phonological awareness, as well as letter formation. The relationship between reading, writing, and oral language are taught to provide students with the building blocks for reading and writing.



# NUMERACY

## OUR APPROACH

Numeracy, often misunderstood as only being associated with mathematics, is the ability and intention to apply mathematical concepts and problem solving skills across various areas of learning. Students are encouraged to ask questions and investigate mathematical concepts. They'll learn to work collaboratively with their classmates to solve problems.

In Kindergarten, during play-based activities, your child will be able to explore mathematical concepts in a fun and engaging way. For example, they may use blocks to build structures and practice counting, or use measuring cups to learn about volume and capacity. These activities not only make learning more enjoyable, but also allow your child to develop their problem-solving and critical thinking skills.



# PYTHAGORAS ACADEMY

## GRADE 1 CURRICULUM OVERVIEW



### CROSS CURRICULAR

#### OUR APPROACH

Cross-curricular learning encourages students to engage with material from a variety of viewpoints and to see the relationships between different subject areas. These activities allow our students to develop their creativity, problem-solving and critical thinking skills.

Grade 1 students explore plants and animals by studying life cycles, using technology for research, practicing numeracy by measuring and graphing growth and enhancing their literacy skills through reading and writing about living things. This integrated approach fosters a deeper understanding of living things, ecosystems, data analysis, scientific inquiry, technology and language.

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# LITERACY

## OUR APPROACH

As students begin their literacy journey in grade 1, we are excited to help them achieve important milestones in their reading and writing abilities. We will be incorporating language that is appropriate for their age and development, so they can learn and grow in a supportive environment.

In Grade 1, students cultivate a deep understanding and appreciation for language, reading and writing. While exploring stories, they learn about story elements, literary devices and expand their vocabulary and phonics skills. By acquiring these foundational skills, students are well-equipped to engage with a variety of texts, fostering a lifelong love for learning.



# NUMERACY

## OUR APPROACH

In grade 1, your child will have the opportunity to explore a range of mathematical concepts through both classroom and outside learning experiences. They will learn number concepts up to 20, ways to make 10, and addition and subtraction up to 20, by building their understanding of mathematical operations and processes. Additionally, they will explore repeating patterns with attributes, both concretely and verbally.

For example, during outdoor learning experiences, your child might collect natural objects and use them to practice sorting and classifying based on attributes. They could measure and compare distances and lengths, and create patterns using natural materials like leaves and flowers. By engaging in these activities, students gain an appreciation and understanding of the natural world.



# PYTHAGORAS ACADEMY

## GRADE 2 CURRICULUM OVERVIEW



### CROSS CURRICULAR

#### OUR APPROACH

In Grade 2, we provide authentic learning opportunities that allow students to engage with material from a variety of viewpoints and to see the relationships between different subject areas. By participating in cross-curricular lessons students can engage in math, science, and language arts.

One example of this is baking lessons, where students, parents, and teachers work together to create a delicious treat while learning about measurement, and instructional writing. This hands-on experience not only helps students develop their numeracy skills but also encourages them to work collaboratively and think creatively.

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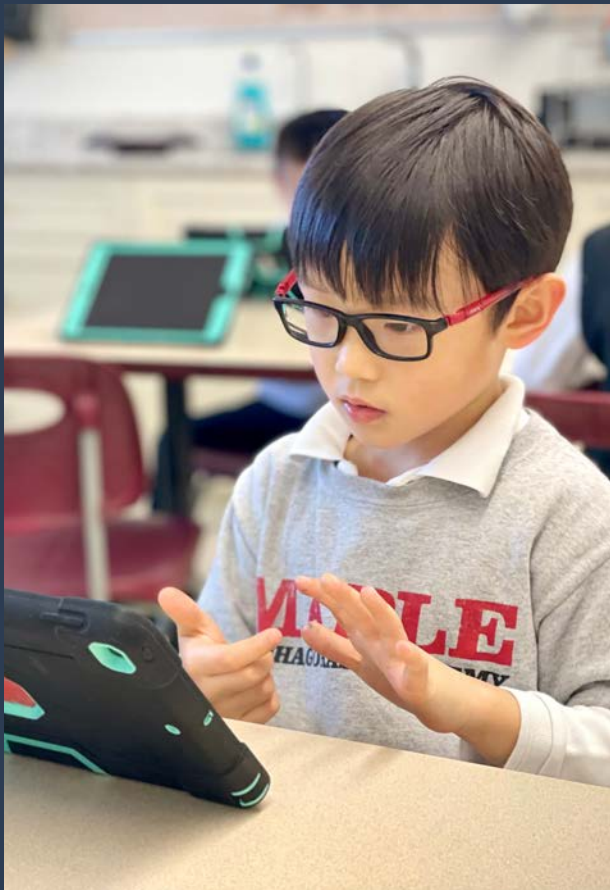
# LITERACY



## OUR APPROACH

Grade 2 literacy learning is a multifaceted experience that includes both indoor and outdoor learning. In the classroom, students develop their reading, writing, and oral language skills through a variety of activities such as guided reading, writing workshops, reading competitions and class discussions.

Outdoor learning provides students with an opportunity to apply their literacy skills in real-life situations. For example, they may read signs or labels while on a nature walk, write descriptive paragraphs about what they observe, or engage in group discussions to share their findings. By experiencing literacy in both indoor and outdoor settings, students gain a deeper understanding of how literacy is an integral part of everyday life.



# NUMERACY

## OUR APPROACH

Grade 2 students continue to build upon the foundation of numeracy skills they developed in Grade 1. They engage in a variety of hands-on learning experiences that allow them to explore and practice important math concepts.

One area of focus is on building fluency in addition and subtraction up to 100. Students also work on developing their understanding of place value and using different strategies to solve problems. They learn about measurement, including length, mass, and capacity, and use a variety of tools and units to measure and compare different objects. Outdoor and indoor learning experiences provide opportunities for students to apply their math skills in real-world contexts, such as measuring the perimeter of the school garden or estimating the number of steps needed to walk around the playground.



# PYTHAGORAS ACADEMY

## GRADE 3 CURRICULUM OVERVIEW



### CROSS CURRICULAR

#### OUR APPROACH

In Grade 3, students engage in cross-curricular learning that incorporates coding and technology. They explore different subject areas through the use of technology, such as coding robots to learn about measurement and geometry or using online resources to research and present information in science.

In addition to technology, Grade 3 students have opportunities for outdoor learning, such as studying the environment and ecosystems during a nature walk or exploring the properties of matter through hands-on experiments. These experiences provide students with a well-rounded education and develop their problem-solving, critical thinking and communication skills.

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# LITERACY

## OUR APPROACH

Grade 3 students are given a range of literacy opportunities to develop their skills. They read and analyze various forms of texts, including short stories, novels and poetry. Additionally, they engage in cross-curricular learning, which helps them connect different subject areas and develop a broader understanding of the world around them.

Throughout the year, students learn about other cultures and the importance of celebrating diversity. This includes reading literature from different countries and learning about the traditions and customs of various cultures. By being exposed to diverse perspectives, students become more empathetic and open-minded individuals.



# NUMERACY

## OUR APPROACH

Grade 3 students engage in hands-on experiences to develop their skills in numeracy, particularly in the areas of data collection and estimation. One example of this is when students used pumpkins and pumpkin seeds to explore the concept of measurement. They estimated the number of seeds in a pumpkin, counted them, and recorded their data using charts and graphs. By doing so, they were able to develop their skills in data collection, representation, and analysis.

Through these types of activities, students not only improve their numeracy skills, but they also develop their critical thinking and problem-solving abilities. They learn to ask questions, make predictions, and test their hypotheses using real-world objects and situations.



# PYTHAGORAS ACADEMY

## GRADE 4 CURRICULUM OVERVIEW



### CROSS CURRICULAR

#### OUR APPROACH

By bridging academic disciplines, cross-curricular learning provides a comprehensive and meaningful education that prepares students for success in the real world. Through this approach, students develop critical thinking, problem solving, and creativity skills while also gaining a deeper understanding of diverse cultures and experiences.

One such activity is Pysanka, a Ukrainian tradition of decorating eggs using wax and dyes. Students learn about the cultural significance of this art form and the different geometric designs used in the process, applying their knowledge of geometry and measurement to create their own intricate patterns.

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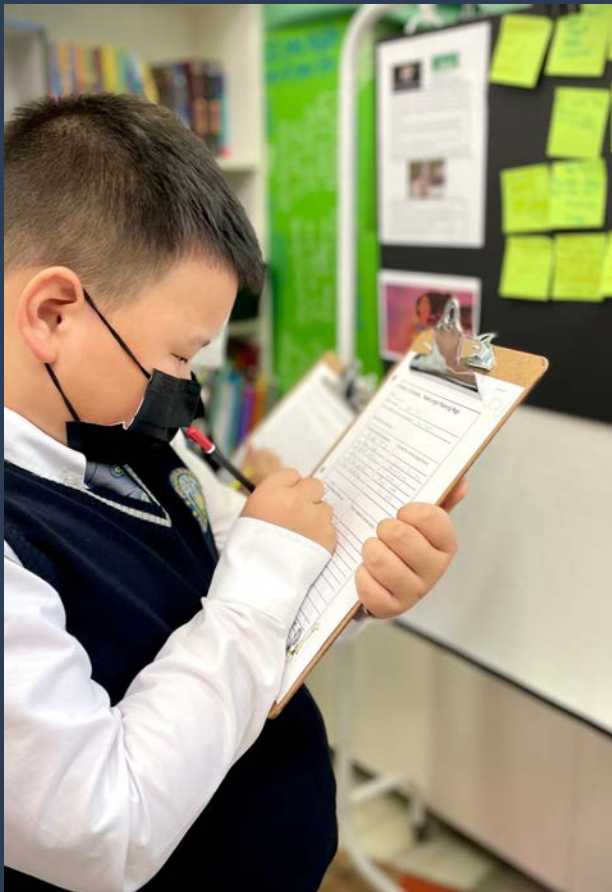
W - Wonder

# LITERACY

## OUR APPROACH

Grade 4 students explore stories both inside and outside the classroom, including in our outdoor classroom. They engage in cross-curricular learning, including combining reading and writing skills with science, social studies and math. For example, students learn about the seasons through reading and writing about them, as well as through hands-on experiences.

Through exploring different types of texts, such as fiction, non-fiction, and poetry, students learn about different cultures and perspectives. They have been encouraged to think critically about what they read and to make connections between the texts they read and their own experiences.



# NUMERACY

## OUR APPROACH

Grade 4 students are encouraged to communicate their mathematical thinking in various ways. This involves using mathematical vocabulary and language to contribute to mathematical discussions, as well as explaining and justifying their ideas and decisions. By representing mathematical concepts in concrete, pictorial, and symbolic forms, students develop a deeper understanding of mathematical concepts and are better able to explain their reasoning.

Throughout the year, students engage in a variety of activities that encourage them to use mathematical language and represent mathematical ideas in different forms. For example, they may use manipulatives like blocks or tangrams to visually represent fractions, or create graphs and charts to display data they have collected.



## CROSS CURRICULAR

### OUR APPROACH

In Grade 5, cross-curricular learning encourages students to engage with material from multiple viewpoints and make connections between different subject areas.

One example is learning through debate, where students research, articulate and defend their ideas and opinions on various topics. This not only helps them develop their critical thinking and communication skills, but also exposes them to diverse perspectives and encourages them to think about real-world issues in a thoughtful and respectful manner. They develop writing, speaking and presentation skills, while exploring themes related to social justice, multiculturalism and identity.

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# LITERACY

## OUR APPROACH

Students participate in literacy experiences that enhance their language skills while promoting empathy and leadership. One such experience is reading with their younger peers in the school's buddy program.

By working one-on-one with younger students, Grade 5 students practice their reading, speaking and listening skills while also developing their communication and mentorship abilities. The reading buddy program fosters a sense of community and belonging, as students work collaboratively and develop positive relationships with their peers across different age groups.



# NUMERACY

## OUR APPROACH

Grade 5 students are exposed to a range of numeracy experiences that incorporate technology and hands-on learning. Gamification is used to engage students in problem-solving and critical thinking while ensuring that learning is fun.

Students use various math apps, such as Prodigy and Mathletics, to practice and reinforce concepts learned in class in a fun and interactive way. Hands-on approaches, such as manipulatives and group activities like playing chess, are also used to reinforce mathematical concepts. This approach to numeracy helps to develop students' problem-solving skills and mathematical reasoning abilities, preparing them for success in their future studies and careers.



# PYTHAGORAS ACADEMY

## GRADE 6 CURRICULUM OVERVIEW



### CROSS CURRICULAR

#### OUR APPROACH

Grade 6 students have the opportunity to engage in cross-curricular learning experiences, including the study of the *5 Chairs, 5 Choices* behavioural model, founded by Louise Evans.

This model is used to help students develop social and emotional learning skills by understanding and managing their behaviour and emotions. Through the exploration of this model, students learn to make positive choices, take responsibility for their actions and develop empathy for others. By understanding how their actions and choices impact themselves and those around them, students can effectively communicate, collaborate and problem-solve in professional and personal settings now and in the future.

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# LITERACY

## OUR APPROACH

Grade 6 students dive into a world of reading and writing as they explore the power of technology and digital citizenship through blogging adventures on various software platforms! Sharing their thoughts, opinions, and beliefs with the world, these young writers are honing their skills and connect with others in a fun and exciting way.

Students become masters of digital citizenship skills as they refine strategies to engage with others and make a positive impact on the digital world. Through their blogging experiences, they are not only developing their literacy skills, but also enhancing their social and emotional competencies, setting the stage for a bright and successful future filled with new friends!



# NUMERACY

## OUR APPROACH



Grade 6 students engage in innovative cross-curricular learning experiences that integrate numeracy skills with real-world applications. One such experience is the creation of their own business, through Math Challenges, where students learn about budgeting, marketing, and sales.

Students begin by brainstorming business ideas, creating business plans, and calculating startup costs. They apply their knowledge of percentages, ratios, and decimals to budgeting and determining pricing strategies. Students also learn about profit margins and calculate potential profits and losses. Students showcase their products and services and use their persuasive and mathematical skills to make sales. This experience not only provides a practical application for numeracy skills and fosters an entrepreneurial mindset!



# PYTHAGORAS ACADEMY

## GRADE 7 CURRICULUM OVERVIEW



### CROSS CURRICULAR

#### OUR APPROACH

Cross-curricular learning is the integration of two or more subject areas while understanding how different fields intersect in the real world. For instance, students have the opportunity to participate in an advanced band program that not only builds their musical abilities but also reinforces critical thinking, collaboration and creativity.

The program combines music theory, history, and performance with other subjects such as mathematics and physics. Students learn to read and interpret sheet music, analyze sound waves, and apply math concepts such as fractions and decimals to understand rhythm and timing. Additionally, the program teaches valuable skills such as discipline, perseverance and teamwork.

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# LITERACY

## OUR APPROACH

Grade 7 students are exposed to a diverse range of literacy experiences, including drama and annual musical theatre productions. These activities help to develop students' reading, writing, speaking, and listening skills, while also providing opportunities for creativity and self-expression.

Additionally, students engage in traditional literacy methods such as guided reading and writing, which helps to build their comprehension and critical thinking skills through small group discussions and analysis of texts. By combining these traditional literacy methods with innovative and creative approaches, students are able to develop a well-rounded set of literacy skills.



# NUMERACY

## OUR APPROACH



Grade 7 students engage in a range of numeracy experiences that are designed to support their development of mathematical concepts, competencies and confidence. As part of this process, students are encouraged to engage in coding and math competitions, which help them develop important skills and strategies that can be applied in a variety of contexts. By participating in these activities, students build their computational thinking abilities, as well as their problem-solving and analytical skills.

Coding is a key area of focus in Grade 7, as students learn to use programming languages such as Python, Tinkercad and Scratch to bring their designs to life. By developing these skills, students gain a deeper understanding of mathematical concepts such as variables, loops, and functions, which can be applied to a range of real-world scenarios.



# PYTHAGORAS ACADEMY

## GRADE 8 CURRICULUM OVERVIEW



## CROSS CURRICULAR

### OUR APPROACH

Grade 8 students have the opportunity to engage in cross-curricular learning through opportunities like broadcasting and journalism. Students learn about the role of media in society, as well as the skills required for effective communication and storytelling.

Students may have the opportunity to write, record, and produce their own news segments, podcasts, or broadcasts. They learn about research and investigation, as well as the importance of accuracy and impartiality in reporting. These experiences also help students develop skills in critical thinking, organization, and time management.

## G . R . O . W

USED IN CONJUNCTION  
WITH  
**5 CHAIRS, 5 CHOICES**

G - Gratitude

R - Respect

O - Open-Hearted

W - Wonder

# LITERACY

## OUR APPROACH

In Grade 8, students continue to expand their reading, writing, speaking, and listening skills. Specifically, guided reading and analytical discussions deepen their comprehension and critical thinking skills. Students also develop their writing proficiency, crafting well-structured essays, narratives, and persuasive pieces.

Through a balanced blend of traditional and innovative approaches, students develop a comprehensive set of literacy skills. They engage in performance-based activities, honing their speaking and listening abilities while analyzing characters and conveying meaning. Technological tools and collaboration foster digital literacy and creativity.



# NUMERACY

## OUR APPROACH

In Grade 8, students continue their journey in numeracy, building upon the foundational concepts learned in Grade 7. Students strengthen their algebraic skills, particularly in the realm of two-step equations with integer coefficients, constants, and solutions.

Through various problem-solving activities and real-life scenarios, students develop a strong understanding of how two-step equations can be applied to practical situations. They learn to translate word problems into mathematical expressions and equations, analyzing the given information to determine the correct steps and operations needed to find the solution. This application of algebraic thinking allows students to solve problems related to finance, physics, and other fields that rely on mathematical modeling.



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