



# QUADRAT ACADEMY

Innovative Montessori Middle and High School



## ABOUT US

Quadrat Academy is an innovative education school for ages 11-18. We are a Montessori based middle and high school in Philadelphia. We believe in a fundamental change in the current education approach. Our students take charge of their learning process and develop their individual discovery journey.

We pride ourselves in creating innovative education formats and leveraging the latest trends in experiential education, technology, entrepreneurship, project-based learning, and design thinking. In doing so, we create a vibrant and stimulating experience for students.



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## FOUNDER WORD

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### WE LIVE IN A WORLD OF EXPONENTIAL CHANGE...

Most jobs that our kids will obtain do not exist today. Future lifestyle and work requirements demand a new skill set. Today's youth has to be ready

for an era of technology, scarcity of resources and a growing speed of innovation. Traditional schools are limited to academic subjects, neglecting emotional, spiritual and social development. One hat does not fit all in the education approach. This is why we set out to create Quadrat Academy, a place where students are free to create and explore their potential. We are committed to creating future innovators one student at a time. And we will embark on this journey together. Are you ready?

EDUCATION IS NOT THE LEARNING OF FACTS,  
BUT THE TRAINING OF THE MIND TO THINK.

Albert Einstein



# THE EDUCATION TEAM



Jason  
Huber,  
Lead Guide  
for Humanities and  
Entrepreneurship.



Svetlana  
Tikhonov,  
Founder.



Josh  
Thornton,  
Lead Guide for  
Film and  
Photography.



Karma Pace,  
Lead Guide for  
Science and  
Statistical Analysis.



Lhianna Bodiford,  
Lead Guide for  
Mathematics.



## OUR PRINCIPLES

*Our students embrace the learning process as a personal lifestyle. Quadrat Academy allows students to explore, make mistakes and maximize their potential in a safe and supporting environment.*

## INDIVIDUALIZED DEVELOPMENT

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Each child has his or her unique abilities which inform their speed of learning. Our job is to identify and accelerate individual strengths and use them as motivators.

## LOVE WHAT YOU DO

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Children are creative and uninhibited by nature. We allow them to innovate, feel success, and develop a passion for everything they do. True passion has no limits.

## THINK NOT MEMORIZE

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It is impossible in today's society to know every required skill, every coding language or anticipate future vocational needs. The only true way to prepare our children for the future is to give them the ability to think, formulate questions and learn independently.



# OUR APPROACH

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We are preparing kids for the 2050 lifestyle. With a multi-faceted approach- our core curriculum, hands-on learning and innovative labs- we teach kids how to think for themselves, seek their own knowledge, and create! We believe comprehensive learning plans, ones that are co-created with the students, are the best approach to meaningful educational experiences. Education should be an inspired exploration journey that goes beyond a traditional classroom.

## OUR GOALS FOR STUDENTS...

... to become future entrepreneurs, critical thinkers and innovators that are ready for a life long journey of exponential growth.

... to be prepared to think for themselves and act for themselves and others with purpose, effectiveness, and empathy when we are not with them.

... to grow into interesting, fulfilled, prepared adults when they are ready to graduate.





## ACADEMICS

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Our guided self-study approach builds on the fundamentals introduced by Dr. Montessori, including mixed age classrooms that promote peer learning, uninterrupted blocks of work time, and guided work activities. Building on the initial principles, we leverage innovative learning formats, including online tools and libraries, robotics, startups and real-life experiences.

Our curriculum incorporates national, state and AP standards for college preparatory programs and individual advanced studies tailored for each student.

# I. CORE CURRICULUM

Our curriculum is grounded in the liberal arts education, a combination of the arts, social and physical sciences, mathematics, literature, and humanities. It's designed to help students achieve overall college and career readiness.



## Science, Social Sciences and Geography

Integrated themes from studies in natural and cultural history, including interdependency, evolution, life cycles, matter and energy, behavior and culture, health, agriculture, government, communication, world systems and more, in the context of social responsibility and communities.



## Mathematics

Leverage logic, mathematics and critical thinking skills to solve problems in relation to a variety of challenges, from practical money transactions to algebraic relationships; explore in-depth numbers, properties, higher measurement, geometric proofs, and algebraic equations.



## Language Arts

Develop confidence in self-expression via observations, debates, theater, video, photography, essays, play-writing, poetry, and short stories. Explore historical and philosophical material through literature utilizing components of style, genre, characterization, interpretation, and the art of discussion. Includes second language and grammar studies.



## The Arts

Students utilize a discipline-based arts education, including social arts, manual arts, physical arts and fine arts. The focus is on individual artistic areas of painting, acting, singing, composing, photography, dance, and sculpture. The approach also focuses on general education for aesthetic literacy which integrates the arts with other academic subjects.



## II. INNOVATION AND CREATIVE LABS

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Our labs are a safe environment where students can experiment, create and innovate through hands-on work. Students will have access to a variety of resources at our labs, where they will be tasked with projects relating to engineering, technology, design and more. Students will develop a STEAM skill set—experiential science, technology, engineering, art and applied mathematics. Laboratory work is fully integrated into individual goals and the broader school curriculum.

# OUR LABS

## **TECHNOLOGY LAB**

Students leverage their knowledge of science, robotics, technology, and applied mathematics to create prototypes, conduct experiments and build products. Each lab project will provide students an opportunity to learn about the social implications of sustainability.

## **ENTREPRENEURSHIP LAB**

We create individual and group startups, taking them from ideation to execution and growth. Students also have an opportunity to work with the local startups via an apprenticeship model and learn from top entrepreneurs in the area.

## **CREATIVE EXPRESSION LAB**

Ranging from work in maker-spaces – woodwork, metalwork, textiles, 3D design, to the arts in different media, e.g. painting, murals, music, theater, and other ways, students build their creative voice.

## **PHOTOGRAPHY, FILM AND MEDIA LAB**

Students will explore different genres of photography, e.g. photojournalism, abstract photography, and portfolio work. Creation of documentaries and learning all about new media, its benefits and how to leverage it productively.

### III. EXPERIENTIAL EDUCATION

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We believe learning is an active process. The most meaningful insights and moments come from action and experience. Our students participate in engaging activities, exploring their interests along the way and developing their sense of self in the context of today's society.







## School Life

Students participate in day-to-day life of the school, for example, running social media campaigns, helping to design classrooms, building products and managing the school store, designing innovating teaching formats, and more.



## Start-Ups

Students create individual and group startups, taking them from ideation to execution and growth. Students also have opportunities to work with local startups via an apprenticeship model and learn from top entrepreneurs in the area.



## Adventure Trips

Travel is the best way to experience new cultures, places, languages and understand different perspectives. A variety of outdoor adventure and cultural trips are organized to explore, face challenges, both physical and social, and experience new and exciting things outside of the every-day familiar environment.



## Environmental Education

The objective is to understand our role in the environment and learn the fundamentals of the ecosystem. Every Friday, we visit a nearby farm to grow our own food, take care of plants and build a healthy relationship with our environment.



## Volunteering & Community Life

Giving back to the community is an essential part of the learning experience. Students participate in a variety of volunteer projects, learning to help others, organize and lead volunteer work and support each other.



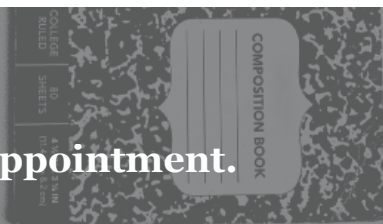
# ADMISSIONS

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WELCOME! WE  
LOOK FORWARD  
TO MEETING YOU  
AND HEARING  
YOUR STORY.

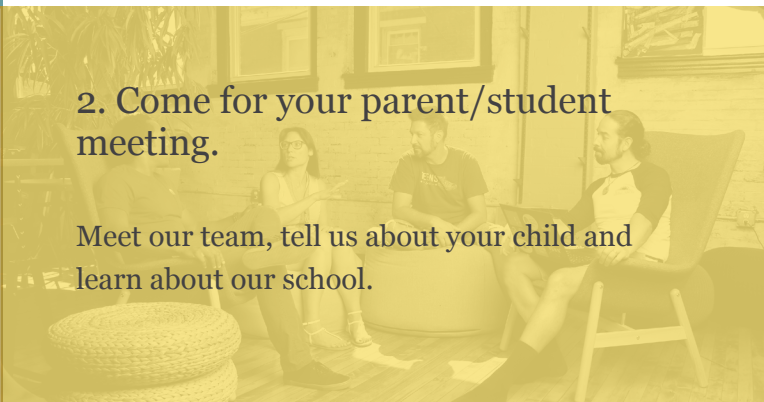
## 1. Make an appointment.

Please call our Admissions Office at 267.997.7744 or email [admissions@quadratacademy.com](mailto:admissions@quadratacademy.com) to schedule your visit.



## 2. Come for your parent/student meeting.

Meet our team, tell us about your child and learn about our school.



## 3. Submit an application.

Complete the application found [online](#). Submit it to the Admissions Office with your \$100 application fee.

## 4. Await the school's admissions decision.

Admission to Quadrata Academy is determined after careful consideration of the appropriate placement of each student. We offer rolling admissions; most children begin with the new semester. Criteria for acceptance are based on the student's age, readiness and the parents' commitment to our philosophy.

Families of diverse backgrounds are encouraged to apply, as we strive to build an inclusive community of families from all over the world.

Our tuition for the 2020/21 school year is

Grades 6, 7 and 8: \$18,000

Grades 9 and 10: \$20,000

Grades 11 and 12: \$22,000

Scholarships are available for qualified students.

WHERE IS THE  
BOOK IN WHICH  
THE TEACHER CAN  
READ ABOUT WHAT  
TEACHING IS?  
THE CHILDREN  
THEMSELVES ARE  
THIS BOOK.

Rudolf Steiner







quadrat.



The background is white with a teal-colored hand-drawn grid. The grid consists of two vertical lines and two horizontal lines, creating a 3x3 grid of squares. The lines are thick and have a slightly irregular, hand-drawn appearance. In the center of the grid, there is a small, dark teal, irregular blob or smudge.

**[www.QuadratAcademy.com](http://www.QuadratAcademy.com)**

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