

The background is a solid teal color. Overlaid on this are several thick, light blue, hand-drawn lines. A vertical line runs down the left side, and a horizontal line runs across the middle. Another vertical line runs down the right side, and another horizontal line runs across the bottom. These lines intersect to form a grid-like structure. In the center-left area, there is a small, irregular, light blue blob or smudge.

QUADRAT ACADEMY

Progressive secondary education (11-18)

A young woman with blonde hair is looking thoughtfully at a chalkboard. The chalkboard is filled with handwritten questions in white chalk. The questions include: 'What if a school didn't have homework?', 'What if you could go to your own pace at school', 'What if you could keep the teacher you like longer', and 'What if you...'. The background is a textured, light-colored wall. The text 'ABOUT US' is overlaid on the right side of the image in a bold, dark font, with a horizontal line underneath it.

ABOUT US

Quadrat Academy is a progressive education school for ages 11-18. We are the only Montessori based secondary 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, leveraging the latest trends in experiential education, technology, entrepreneurship, project-based learning, and design thinking, we create a vibrant and stimulating experience for students.

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FOUNDER WORD

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 growing speed of innovation. Traditional schools are limited to academic subjects, neglecting the emotional, spiritual and social development. One hat does not fit all in the education approach. This is why we set out to create the Quadrat Academy, a place where students are free to create and explore their own potential. We are committed to create 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 FOUNDING TEAM



SVETLANA TIKHONOV

Founder



MARCELO BEDOYA

*Co-Founder. Head of Experiential
education*



WARREN JONES

Head of Innovation Lab



JOSH THORNTON

*Head of Social Media, Film
and Photography*



OUR COMMITMENT

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

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

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

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



THINK NOT MEMORIZE

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 the ability to think, formulate questions and learn independently.



OUR APPROACH TO EDUCATION

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 International Baccalaureate (IB) standards for college preparatory programs and individual advanced studies tailored for each student.



.....INTEGRATED APPROACH.....

I
CORE
CURRICULUM

II
INNOVATION
LAB

III
REAL-LIFE
EXPERIENCE

INDIVIDUAL STUDY | GUIDED LEARNING | PEER ACTIVITIES





ACADEMICS

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I. CORE CURRICULUM

Our curriculum is built on the fundamentals of the liberal arts education, a combination of the arts, social and physical sciences, mathematics, literature, and humanities. Our high school curriculum is 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, manufacturing, communication, world systems, and others, 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; explores 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; explores related 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 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.



INNOVATION LAB

Our laboratory is a safe environment where students can experiment, create and innovate. Exploring topics of sustainable energy, smart homes, transportation, urbanism and health, students will leverage their progressive knowledge of science, robotics, technology, and applied mathematics to create prototypes, conduct experiments and build products.

The laboratory environment will enable students to develop a STEAM skill set, i.e., experience science, technology, engineering, art and applied mathematics through hands on projects. Laboratory work is fully integrated into individual goals and the broader school curriculum.

TOPICS:

Sustainable energy, smart homes, transportation, urbanism and health, and others..

Students will leverage their progressive 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 scientific options and social implications of sustainability.



BUILDING SUSTAINABLE COMMUNITIES OF TOMORROW (SCOT)

Each SCOT lab will tackle a real-world sustainability project and will introduce technologies such as computer aided design, next generation solar, autonomous vehicles, smart infrastructure and robotics.



AUTONOMOUS VEHICLES (AV)

Students will use CAD to upgrade a Segway and make it remotely controllable. They will also convert it to directly use solar (DC electric) power. Finally, they will then discuss options for use in sustainable communities such as autonomous delivery vehicles, farm and household robots, computer aided manufacturing.

III. REAL-LIFE EXPERIENCE

We believe the best way to learn is to experience. Students should be fully integrated into the life of the school, community and experience from an early age what it means to be a contributing member of the society. We provide an unconventional environment for students to work, create and learn both inside and outside the school.





School Life:

Students participate in day-to-day life of the school, for example, run social media campaigns, help design classrooms, build products and run the school store, designing innovating teaching formats, and many others school activities.



Start-Ups:

Students 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.



Volunteering And Community

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.



Environmental Education:

From gardening to climate change, students learn how to grow their own food, take care of plants and build a relationship with the environment. The objective is to understand their role in the environment and learn the fundamentals of the ecosystem.



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.



ADMISSIONS

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

A composition book with a marbled cover and a spiral notebook with a dark cover are shown in the top right corner of the first section.

1. Make an appointment.

Please call our Admissions Office at 267.997.7744 or email admissions@quadratacademy.com to schedule

A hand is shown building with LEGO bricks in the background of the second section.

2. Come for your parent/student meeting.

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

A background of grey polka dots is used for the third section.

3. Submit an application.

Complete the application provided by our Admissions Office. Send it to the Admissions Office with your \$100 application fee.

4. Await the school's admissions decision.

Admission to Quadrat 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.

quadrat.

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

Rudolf Steiner





**learning
with real
experiences
becomes
an element
of change
and trans-
formation
and aware-
ness with the
environment.**



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