



Shkolla e Gjuhës dhe Trashëgimisë Shqiptare

Matematika

Teachers	Daniela Field	Vilma Cako
Contact Info	danielac@alum.mit.edu	vilmavxhi@gmail.com
Years of Experience	10+	30+
Expertise	<ul style="list-style-type: none">• Mathematics K1-College Level• Standardized Test Prep• Private 1to1 Tutoring• Online classrooms programs• College Computer Science Teacher	<ul style="list-style-type: none">• Mathematics, General Science, Chemistry, Physics, Environmental Science• Large Classroom Management & Student Engagement• Private 1to1 Tutoring
Profile	Since an early age, Daniela has shown interest and passion for mathematics and sciences. She graduated from MIT with a mathematics and computer science degree. In her free time, she enjoys teaching students various subjects and preparing them for life.	Vilma has made education her life's passion and career. Starting in Albania, she was the Science Department Head and Vice Principal teaching physics to high school students. In the US, she has been working at various Boston Public Schools and teaching various science subjects. She is experienced in managing large classrooms with students at various levels.

Location

The classes are taught every Sunday 12-1pm EST in the UMass Campus Building 6.

Language

Due to the children having different Albanian language levels, the classes are taught primarily in English. We do cover the translations in Albanian as well.

Description

Mathematics is the foundational subject used in various careers and professions from [Accounting to Urban Planning](#). Thus, it is imperative for students to enjoy and have a foundational knowledge in the subject. The Mathematics classes at Shkolla Shqipe Boston are designed to encourage students to discover mathematics as a fun subject. We are constantly challenging students beyond their grade level by introducing students to various mathematical subjects and topics. During the class, we engage the students and introduce new topics based on the students levels.

Expectations and Goals

The mathematics class goals are the following:

1. Engage and encourage students to enjoy mathematics as a subject
2. Assess and assist students in any knowledge gaps
3. Expand their math knowledge beyond their school curriculum



Homework

We know and understand that the parents and students have extensively busy lives. Hence, we do not give mandatory homework. Our expectation is that while in class the student will be involved in the activities and do the exercises provided.

If however, the student would like additional challenges and homework, we are more than happy to provide them!

Teaching Strategy

Mathematics is usually taught as a series of calculations and exercises rather than as a foundation of logic and reasoning. We teach the students with 3 methods: hands on activities and reasoning, theoretical understanding and last but not least hands on exercises and practice.

Course Materials and Sources

Materials and Sources

Most of the materials are primarily coming from: [Singaporean Math](#)

Grade 1

Primary Mathematics 1A Workbook U.S. Edition

Primary Mathematics 1B Workbook U.S. Edition

Grade 2

Primary Mathematics 2A Workbook U.S. Edition

Primary Mathematics 2B Workbook U.S. Edition

Grade 3+

Primary Mathematics 3 and above+

We use additional books such as: [Skill Sharperner Mathematics](#)

Additional Materials and Resources

For students who are more advanced than the class level, we engage them with problems from books such as (but not limited to):

- 300+ Mathematical Pattern Puzzles: Number Pattern Recognition & Reasoning (Improve Your Math Fluency)
- Of Course!: The Greatest Collection of Riddles & Brain Teasers For Expanding Your Mind
- 100 Math Brainteasers (Grade 7, 8, 9, 10). Arithmetic, Algebra and Geometry Brain Teasers, Puzzles, Games and Problems with Solutions: Math olympiad contest problems for elementary and middle schools
- Third Grade Brain Teasers

For teachers and parents we recommend the following resources and books in general:

- Fred Jones Tools for Teaching: Discipline, Instruction, Motivation
- Playful Learning: Develop Your Child's Sense of Joy and Wonder
- Einstein Never Used Flashcards: How Our Children Really Learn - and Why They Need to Play More and Memorize Less
- Different Learners: Identifying, Preventing, and Treating Your Child's Learning Problems

Teachers materials:

- 100 Wonder Playball Non-Toxic Crush Proof Quality Balls



Shkolla Shqipe

B O S T O N

- Lego 2x2 Bricks, 50 Count, (Red, Orange, Yellow, Lime, Blue) by BrickheadCFO
- Trend Enterprises Sparkle Stickers School Fun Themed Jumbo Pack
- Colored pens and markers and All Worksheets and materials needed for students