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Lawrenceville,  
NJ 08619-1007

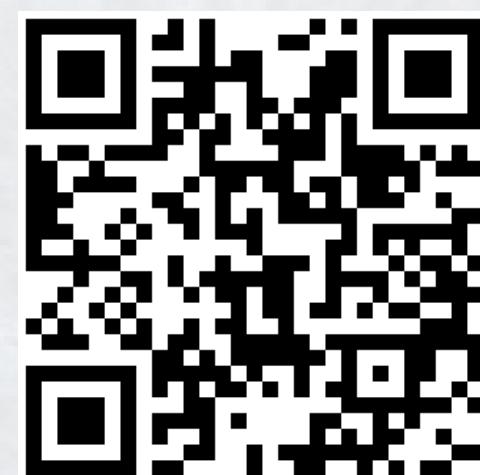
[www.quaker-bridge.org](http://www.quaker-bridge.org)  
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Education, Enlightenment, and Excellence

**Quakerbridge**  
Computer & Learning Service

PRSR STD  
ECRWSS  
U.S. POSTAGE  
PAID  
EDDM RETAIL

To Local Postal Custom



## 2023 Summer Academic Program

### Option II Courses:

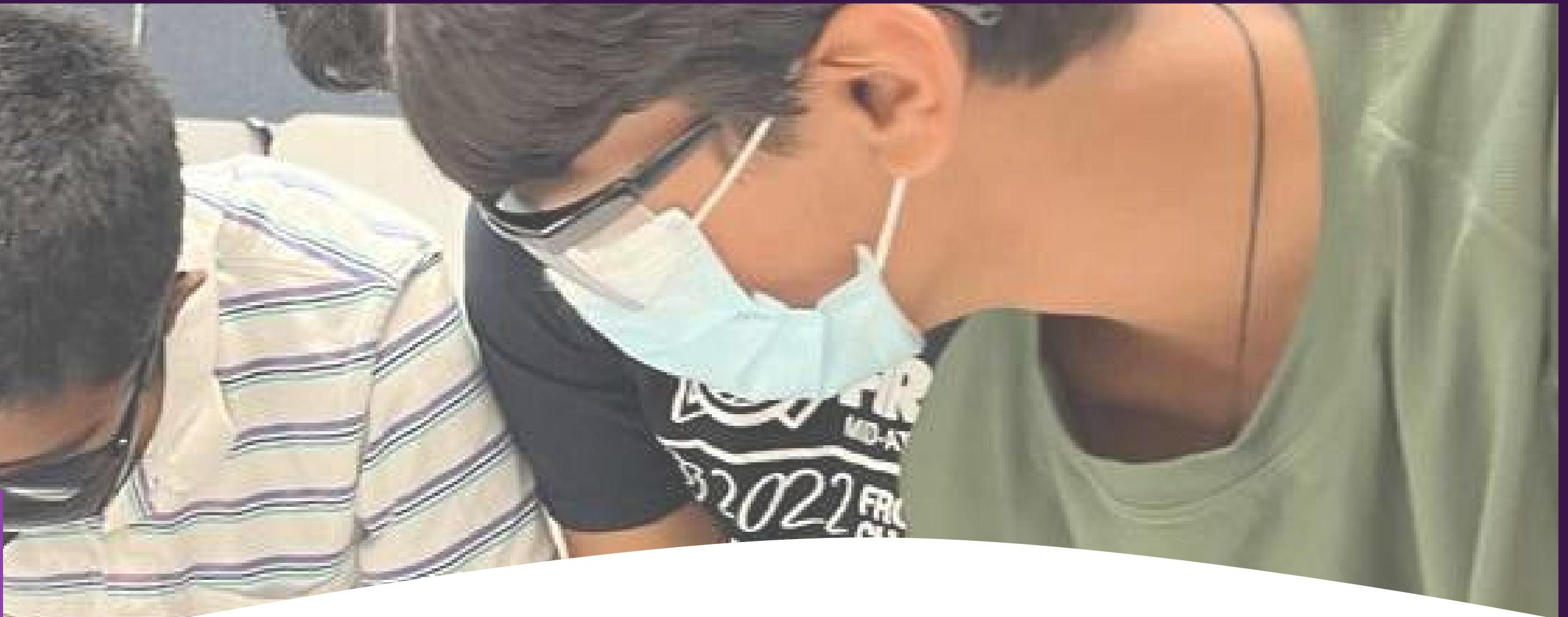
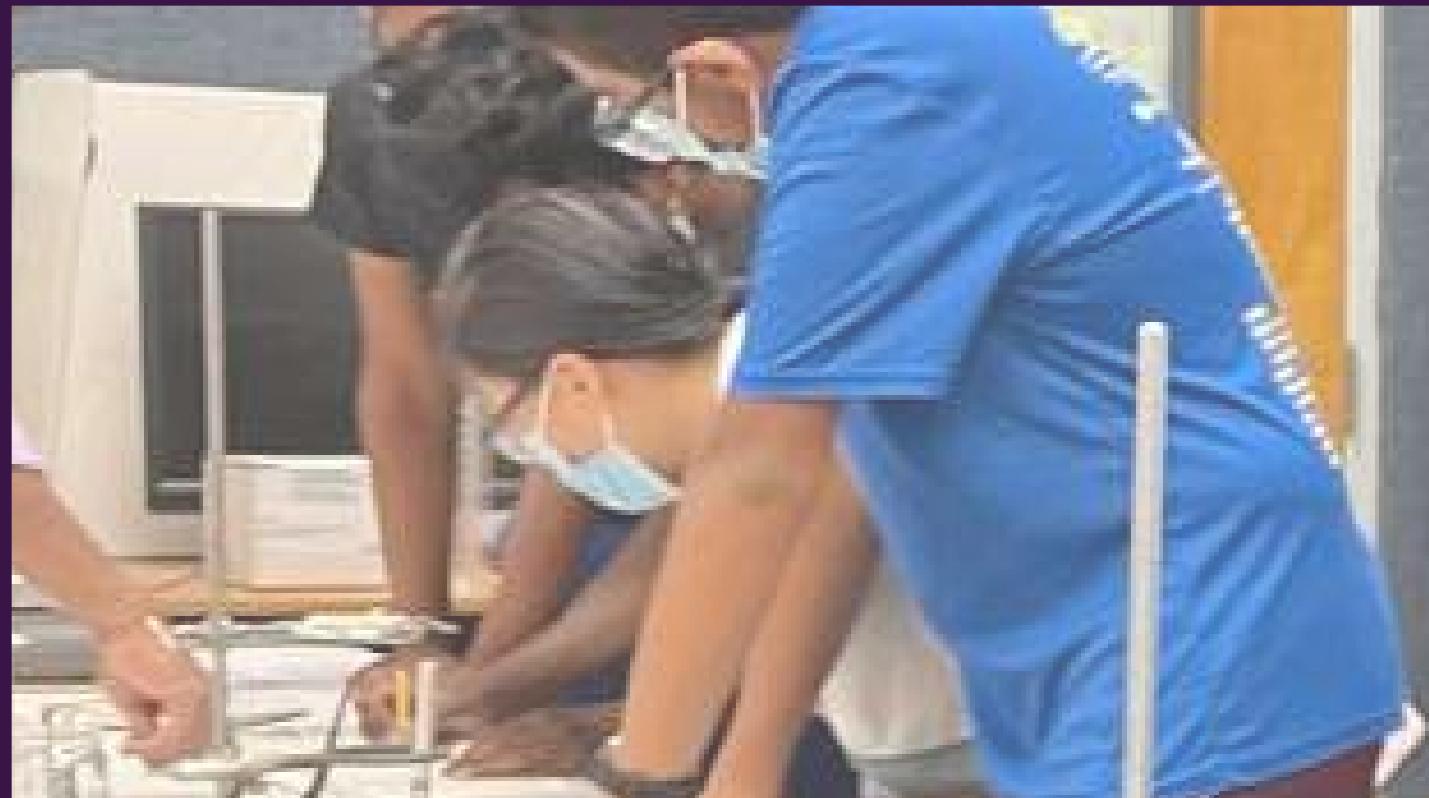
- Honors Geometry
- Honors Pre-Calculus
- Honors Physics
- Honors Algebra I
- Honors Biology
- Intro. to Computer Science with Java\*
- Honors Algebra II
- Honors Chemistry

**\*(Java Course for 12 weeks program, start on May 20.  
5/20 - 6/24 weekend online.)**

### Popular Courses:

- Math Preview
- Science/STEM+
- Literature & Vocabulary
- Python & Java
- Chinese/Spanish/French
- and more.
- SAT, PSAT, SSAT Preparation
- Grammar & Composition
- Creative Writing
- AP Calculus AB Preview
- One-on-one Private Tutoring  
for all subjects

**Returning student, early bird and sibling discount coupons included**



## Option II Classes

Teachers will provide extra help after class in small groups twice per week; there are scheduled assessments and exams every weekend for all option II courses.

## Mathematics

### Honors Advanced Algebra II

Students study advanced algebraic concepts and functions, both exponential and logarithmic. They also learn non-linear equations, conics, matrices and determinants.

**Textbook:** Big Ideas Math Algebra 2, Ron Larson and Laurie Boswell, ISBN: 9781608408405

### Honors Geometry

Students learn the logical thought process required for developing geometric proofs and drawing appropriate conclusions. They examine concepts of congruence, similarity, and transformation as well as angle and line relationships.

**Textbook:** Geometry, McDougal Littell, ISBN: 0866099654; Houghton Mifflin, ISBN: 0544385810

### Honors Pre-Calculus/Pre-Calculus

Students study trigonometry, inverse functions, selected analytic geometry, probability, and basic concepts of differential and integral functions.

**Textbook:** Precalculus with Limits, Larson/Hostetler, ISBN: 9780547219929 Advanced Mathematics; Precalculus with Discrete Mathematics and Data Analysis, Houghton Mifflin, ISBN: 0395551897



*Maximum 15 students per class*

## Science

### Honors Biology

Students focus on the structure and function of a cell, sources of energy, genetics, evolution, and fundamental life processes.

**Textbook:** Biology Concepts and Applications by Cecie Starr, ISBN: 0-534-46223-5

### Honors Chemistry

Students study the qualities of matter, the behavior of electrons and waves, chemical bonding and reactions. There will be hands-on lab activities.

**Textbook:** Chemistry by Prentice Hall, ISBN: 0-13-115262-9

### Honors Physics

Students study the qualities of matter, the behavior of electrons and waves, chemical bonding and reactions. There will be hands-on lab activities.

**Textbook:** Chemistry by Prentice Hall, ISBN: 0-13-115262-9

\*Java course 12 weeks  
program, start on May 20.  
5/20 - 6/24 weekend online.

## Computer Science

### Introduction to Computer Science with Java

Students will learn the basics of computer science. The course is designed to introduce students to the foundational concepts of the fields of computing and technology, and how these fields can impact the world.

**Textbook:** Starting Out With Java: Early Objects, by Tony Gaddis and online resources

### AP Computer Science A

This course aligns with the College Board AP Computer Science A curriculum covering topics usually included in a college-level computer science course.

**Textbook:** Building Java Programs: A Back to Basics Approach, By Stuart Regis and Marty Steep





# Enrichment

## English

### **Reading, Vocabulary and Literature**

Students apply deduction skills and strategies to analyze short stories. Fundamentals of language arts - listening, speaking, reading, and writing - are stressed. students strengthen their vocabulary, grammar, and reading abilities.

**Textbook:** Sadlier-Oxford Online Sources

Grades: A 4-5 B 6-7 C 7-8 D 8-9

### **Grammar and Composition**

Emphasis is put on grammar, short essays, and creative writing. Students read novels and short stories to strengthen reading comprehension and vocabulary.

**Textbook:** Vocabulary Workshop by Sadlier-Oxford Grammar and Composition - Writer's Choice by Glencoe

Grades: A 4-5 B 6-7 C 7-8 D 8-9

## Second Language

### **Training & Practice in Chinese/French/Spanish**

**Textbook:** Chinese: varied references and Far East Book o., Ltd., 2008. Chinese for Youth Level 4 (Revised Edition):

French: varied references and Exercices De Grammaire En Contexte; Niveau Intermediaire/eleve; Hachette Livre 2000; Discovering French Rouge: Valette; McDougal Littell, 2008 Spanish: varied references : and Nassi & Levy; Amsco School Publications, 2009.

All above languages may use newspaper articles, films, the internet and other technologies.

Grades: Medium/Advance Level

## Mathematics

### **Preview in Pre-Algebra, Algebra I or II**

This class will allow students to "preview" the math class that they will be taking next year: either Pre-Algebra or Algebra I/I. They will be introduced to math concepts and will be given a background for accelerated math learning.

Grades: B 6-7 C 7-8 D 9+

### **Preview in AP Calculus AB**

Apply limits to define definite integrals and how the Fundamental Theorem connects integration and differentiation. Topics may include: Using definite integrals to determine accumulated change over an interval.

**Textbook:** AB Calculus for the AP, Third Edition, Sullivan, Miranda, 2020, Bedford, Freeman and Worth

Grades: D 10+

**Maximum 10 students per class**

## Science

### **Introduction to High School Biology**

Students preview biology by learning core scientific principles, theories, and processes governing living organisms, biological systems, and natural phenomena. This will give them a background for accelerated learning.

**Textbook:** Cecie Starr. Thompson

### **STEM+**

\*call us about additional options

### **STEM focused Science + Tech**

The basics of biology, chemistry, physics, engineering and related fields are covered. Students learn fundamental concepts for a deeper understanding of how science is present in everyday life. Foundations of scientific theory is explored through lectures, labs, and demonstrations. Students also learn the applications of robotics, technology, and engineering by building robots.

**Textbook:** Prentice Hall

### **Introduction to Python + Math**

Students will learn the basics of Python language programming. Topics include data types, variables, arithmetic and Boolean expressions, control structures, functions, lists. etc. Once students grasp these building blocks they will be introduced to the pyGame package that allows for programmers to more easily build video games in Python. By the end of the course students will be able to write stand-alone Python programs

### **STEM + Creative Writing & Math**

### **SAT/ACT**

### **SSAT/ISEE**

Students will learn the format of the SSAT and ISEE, review the verbal and math skills required for each test, and check their progress with practice tests.

**Textbook:** McGraw-Hill's SSAT/ISEE

### **SAT/PSAT/ACT**

Students will review the verbal and math skills needed for the test.  
**Textbook:** College Board, Barron's, Princeton Review



# Information

## Quakerbridge's Mission

We design summer courses to foster academic excellence. Consequently, our students are expected to spend a significant amount of time and energy to accomplish their goals. Our academic program offers an extensive curriculum to prepare students for success in an Honors or AP Level course during the school year.

Each program provides up to one hour of daily homework and weekly assessments on Fridays. Instructors review and grade all assignments, as well as provide biweekly report cards to parents. Parents are notified of activities and assignments throughout the summer program.

Our instructors are extremely well qualified; many of them have advanced degrees, extensive teaching experience, and recognition for their excellence in the classroom. Some are even award winning teachers.

**How do we differ from our competitors?** In addition to our selected instructors, we have small class size from five to fourteen students. This allows instructors to individually address students' needs. Second, we provide all textbooks and materials at no extra cost. Third, we help arrange transportation carpooling services. At Quakerbridge, we are dedicated to providing an enriching and enjoyable learning experience for students, as well as convenience for parents.

## Our Teachers

We have the finest award-winning teachers and professors from top school districts, including:

- Princeton and Princeton Charter
- Montgomery
- West Windsor — Plainsboro
- Lawrenceville and Mercer Area



ACCREDITED



## Our Features

- Low student to teacher ratio (five to fourteen students)
- Same course materials and textbooks as used in local school districts' honors courses
- Mathematics/science credit courses available through Option II
- Private tutoring in all courses for 5th grade or higher
- Frequent homework, exams, and progress reports
- Quakerbridge is an accredited member of the Middle States Association Commissions on Elementary and Secondary Schools (MSA-CESS)
- Quakerbridge has also been a certified ETS testing center since 2006.



Please go to our website:

[www.quaker-bridge.org](http://www.quaker-bridge.org)

to view our summer program video and  
for further information.

## Transportation

We manage a carpool network service that provides the matching of families who may share rides together.



# 2023 Summer Courses: June 26 - August 4

## Credit Option II Courses

\*\* Indicate fulfill Option II

\*Java Course for 12 weeks program, start on May 20.  
5/20 - 6/24 weekend online.

High School	Honors Geometry**	McDongal Littell	\$2,165	Mon-Fri	08:00 - 12:00
High School	Honors/Advanced Algebra II**	Big Ideas Math	\$2,180	Mon-Fri	08:00 - 12:00
High School	Honors Pre-Calculus/Pre-Calculus**	Larson, Hosteter	\$2,185	Mon-Fri	01:00 - 05:00
High School	Honors Biology**	Cecie Starr, Thompson	\$2,265	Mon-Fri	01:00 - 05:00
High School	Honors Chemistry**	Prentice Hall	\$2,395	Mon-Fri	01:00 - 05:00
High School	Honors Physics**	Holt Physics	\$2,265	Mon-Fri	01:00 - 05:00
High School	Introduction to Computer Science with Java**	Starting Out With Java. Tony Gaddis	\$2,295	Mon-Fri	08:00 - 12:00
High School	AP Computer Science A**	Building Java Programs, Stuart Regis, Marty Steep	\$2,350	Mon-Fri	01:00 - 05:00

## Enrichment Courses

\*Math course for 25 classes/42 hours

\*Language Art for 20 classes/35 hours

Gr. 4-8: A B C D	Reading, Vocabulary and Literature	Sadlier-Oxford, Online Sources	\$980	20 classes	Morning
Gr. 4-8: A B C D	Grammar and Composition	Vocabulary Workshop Sadlier-Oxford	\$985	20 classes	Morning
Gr. 7-9: C D	Pre-Algebra/Algebra I Preview	Prentice Hall	\$995	25 classes	Morning
Gr. 7-9: C D	Second Language Training (Chinese/French/Spanish)	Varied References	\$980	20 classes	Morning & Afternoon
Middle School: 8+	Algebra II Preview	Big Ideas Math	\$995	25 classes	Morning
Middle School: 8+	Introduction to High School Biology	Cecie Starr, Thompson	\$995	20 classes	Afternoon
High School	AP Calculus AB Preview	AB Calculus for the AP, Third Edition	\$1,100	25 classes	Afternoon

\*Combine STEM+ for a 4-6 week afternoon program

4 Weeks    5 Weeks    6 Weeks

Gr. 4-9: A B C D	STEM focused Science + Tech	Prentice Hall	\$1,395	\$1,645	\$1,845	Mon-Fri	1:30 - 4:45
Gr. 7-9: C D	Introduction to Python + Algebra	Python Documentation	\$1,395	\$1,645	\$1,845	Mon-Fri	1:30 - 4:45
Gr. 4-9: A B C D	Creative Writing + Math	Prentice Hall & Online Sources	\$1,395	\$1,645	\$1,845	Mon-Fri	1:30 - 4:45

## SSAT/SAT/PSAT/ACT Test Preparation

Gr. 6-8: A B	SSAT/ISEE	McGraw Hill, Kaplan	\$975	15 classes	Morning
High School	ACT + 3 Full Mock Tests	College Board, Barron's	\$1,850	25 classes	Morning
High School	SAT + 4 Full Mock Tests	College Board, Barron's	\$1,895	25 classes	Afternoon
High School	ACT or SAT	College Board, Barron's	\$1,295	12 classes	Aug. - Sept.

Private Tutoring — One-on-One tutoring (10 classes of 15 hours private tutoring in one subject, \$1,395)

Private Tutoring — One-on-Two tutoring (15 classes of 22 hours private tutoring in one subject, \$1,225)

For more Information, Contact:

Phone: 609-588-4442    Cell: 609-933-8806

Email: qlc4044@quaker-bridge.com    Website: quaker-bridge.org

## Tuition Payment Method: check, cash, Zelle and PayPal

We offer much more, contact us for information.

Reading • Writing • Math • Science • SAT • ACT • TOEFL  
 Second Language, Math, Chemistry, Biology, Physics, Literature  
 AP Calculus • AP Statistics • AP Biology • AP Chemistry  
 AP Literature • AP Language Arts • AP Micro/Macro

1. We use the same textbooks as Princeton and West Windsor District Schools
2. Quakerbridge Learning Center reserves the right to change, cancel, and modify any details and class schedule



# Enrollment

## Registration

Register by one of the following:

1. Submit an application on our website at [www.quaker-bridge.com](http://www.quaker-bridge.com) in the "Registration" link.
2. Call 609-588-4442 or call/text 609-933-8806 to schedule registration.
3. Contact us by visiting the Learning Center at 4044 Quakerbridge Rd., Lawrenceville, NJ 08619-1007.

## Open House Appointment

Make a reservation by calling 609-588-4442, or 609-933-8806 or emailing [qlc4044@quaker-bridge.com](mailto:qlc4044@quaker-bridge.com), to come to the Learning Center during our Open House Days. Which provide program registration and information.

Open House Dates:

**February 4th to May 13th,  
every Saturday from 10:00 AM to 3:30 PM.**  
Please call to make a reservation in advance.

## Program Course and Schedule

- Six week courses from June 26 to August 4
- See 2023 Summer Courses schedule for class times and dates
- Four days intense review for all Option II



## Refund and Absence Policy

- A written parental request must accompany any withdrawal from a program
- Withdrawal before June 9 will result in a refund except for the \$250 administrative fee
- A 50% refund will be given for a withdrawal until July 10
- No refund will be given after July 10
- No makeup classes will be provided for any classes missed by the student

## Private/Small Group Tutoring

Special one-on-one or small group tutoring is available for all subjects upon request, including Reading, Writing, Math, SAT, ACT, and AP courses. For fees and listing of course offerings, please view the table on the following page. Call the Learning Center to schedule private tutoring.



## Tuition and Fees

See fees on the 2023 Summer Courses chart

- Early drop-off (before 8:00AM) and late pickup (6:00PM) fees are \$180 per student
- Movie & Lunch are provided at a nominal fee

## Contact

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Email: [qlc4044@quaker-bridge.com](mailto:qlc4044@quaker-bridge.com)

