

Education, Enlightenment, and Excellence

# Quakerbridge

Computer & Learning Service

PRSR STD  
ECRWSS  
U.S. POSTAGE  
PAID  
EDDM RETAIL

Middle States  
Accreditation



To Local Postal Custom

Accelerate Your Child's School Performance.

## 2021 Summer Academic Program

### Option II Courses:

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

### Popular Courses:

- Math Preview
- SAT, PSAT, SSAT Preparation
- Science/STEM+
- Grammar & Composition
- Literature & Vocabulary
- Creative Writing
- Python & Java
- AP Statistics Preview
- AP Computer Science A
- and more...

**Discount Coupons Included**

4044 Quakerbridge Road  
Lawrenceville, NJ 08619-1007  
Website: [www.quaker-bridge.org](http://www.quaker-bridge.org)  
Phone: 609-588-4442      Cell: 609-933-8806  
Email: [qlc4044@quaker-bridge.com](mailto:qlc4044@quaker-bridge.com)



## Option II Classes

**Maximum 14 students per class**

Teachers will provide extra help after class in small groups twice per week.

### **Mathematics**

#### **Honors Algebra I**

Students study the real number system, practice solving equations and inequalities, and learn polynomials and exponents.

**Textbook:** Prentice Hall Mathematics: Algebra 1,

ISBN: 0131339966

#### **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

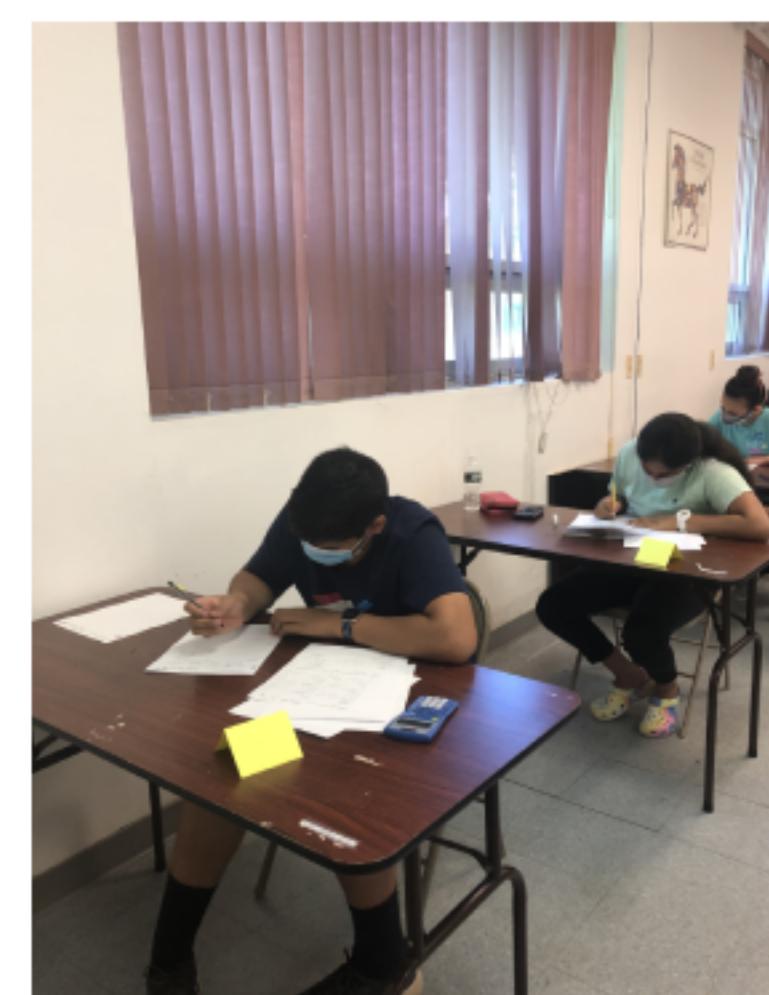
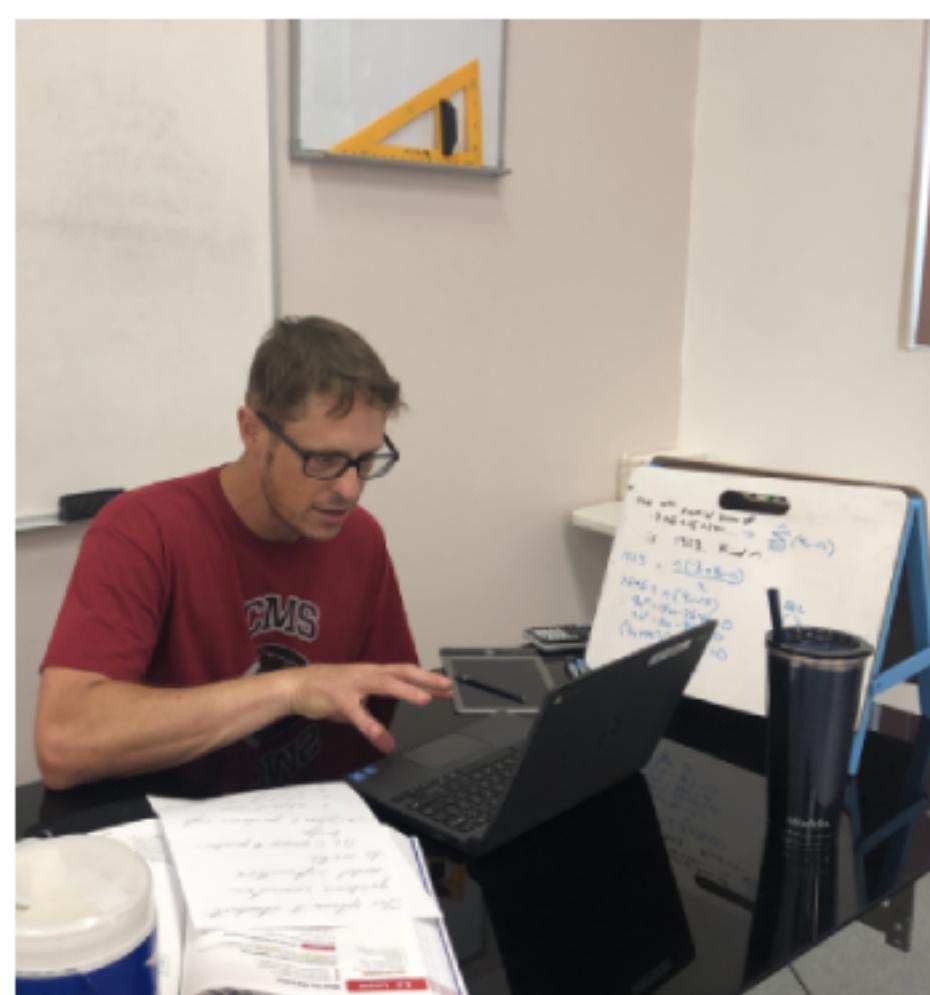
#### **Honors Pre-Calculus**

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,



### **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 one and two dimensional motion, dynamics, work and energy, momentum, electric forces and fields, gravity, electromagnetism, and optics.

**Textbook:** Physics by Holt, ISBN: 978-0321592774

### **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, Chapters 1-7

#### **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.

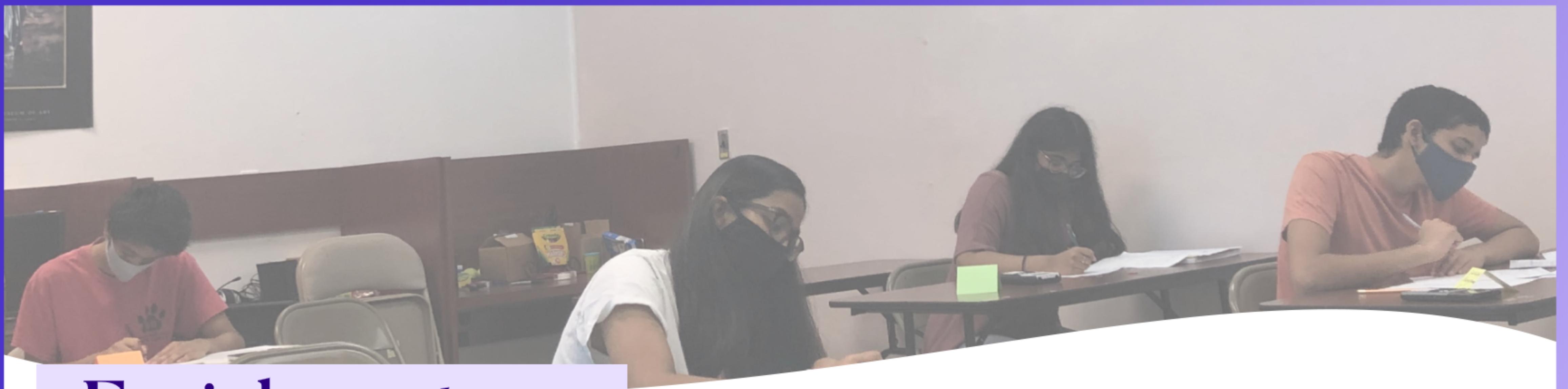
**Textbook:** Building Java Programs: A Back to Basics Approach, By Stuart Regis and Marty Steep

### **Social Sciences**

#### **American Studies**

This course introduces the students to the history of American civilization, from the discovery of the New World in the late 1400s to the aftermath of the Civil War in the late 1800s

**Textbook:** The American Pageant, by David M. Kennedy Elizabeth Cohen Thomas A. Bailey, Houghton Mifflin, ISBN: 9780618247325



# 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 C 7-8**  
**B 6-7 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 C 7-8**  
**B 6-7 D 8-9**

## Mathematics

### **Math Preview**

This class will allow high school students to “preview” the math class that they will be taking next year: either Geometry, Algebra I/II, Pre-Calculus, or Calculus. They will be introduced to math concepts and will be given a background for accelerated math learning.

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

## Science

### **Introduction to High School Chemistry**

This course is an introduction to high school chemistry for 8th to 10th grade students. It includes the nature of matter, chemical reactions, and the behavior of electrons in atoms. This will give the students a background for accelerated learning.

**Textbook:** Prentice Hall

### **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

## **Maximum 10 students per class**

### **AP Statistics Preview**

Students get a preview of the AP Statistics curriculum. This course introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students will learn how to use data and sampling, learn patterns, and make statistical inferences.

**Textbook:** The Practice of Statistics, ISBN: 1464108730

### **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**

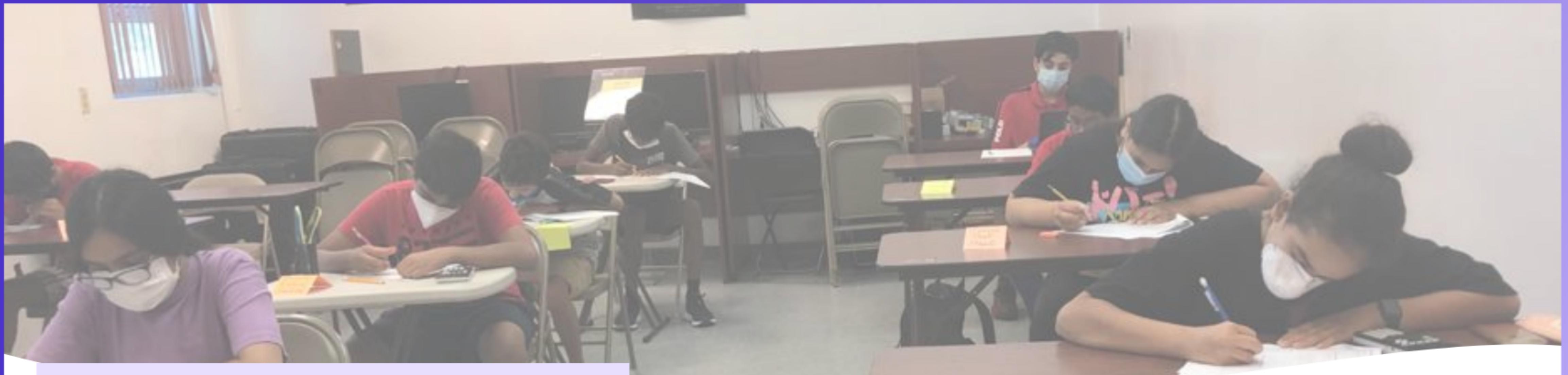
Students will review the verbal and math skills needed for the test.

**Textbook:** College Board, Barron's, Princeton Review

#### **ACT and SAT Essay Writing**

Students focus on different strategies for writing a coherent and convincing essay. They learn differences in essay styles and develop their own techniques to master both the ACT and SAT essays.

**Textbook:** College Board, Barron's, Princeton Review



# Information

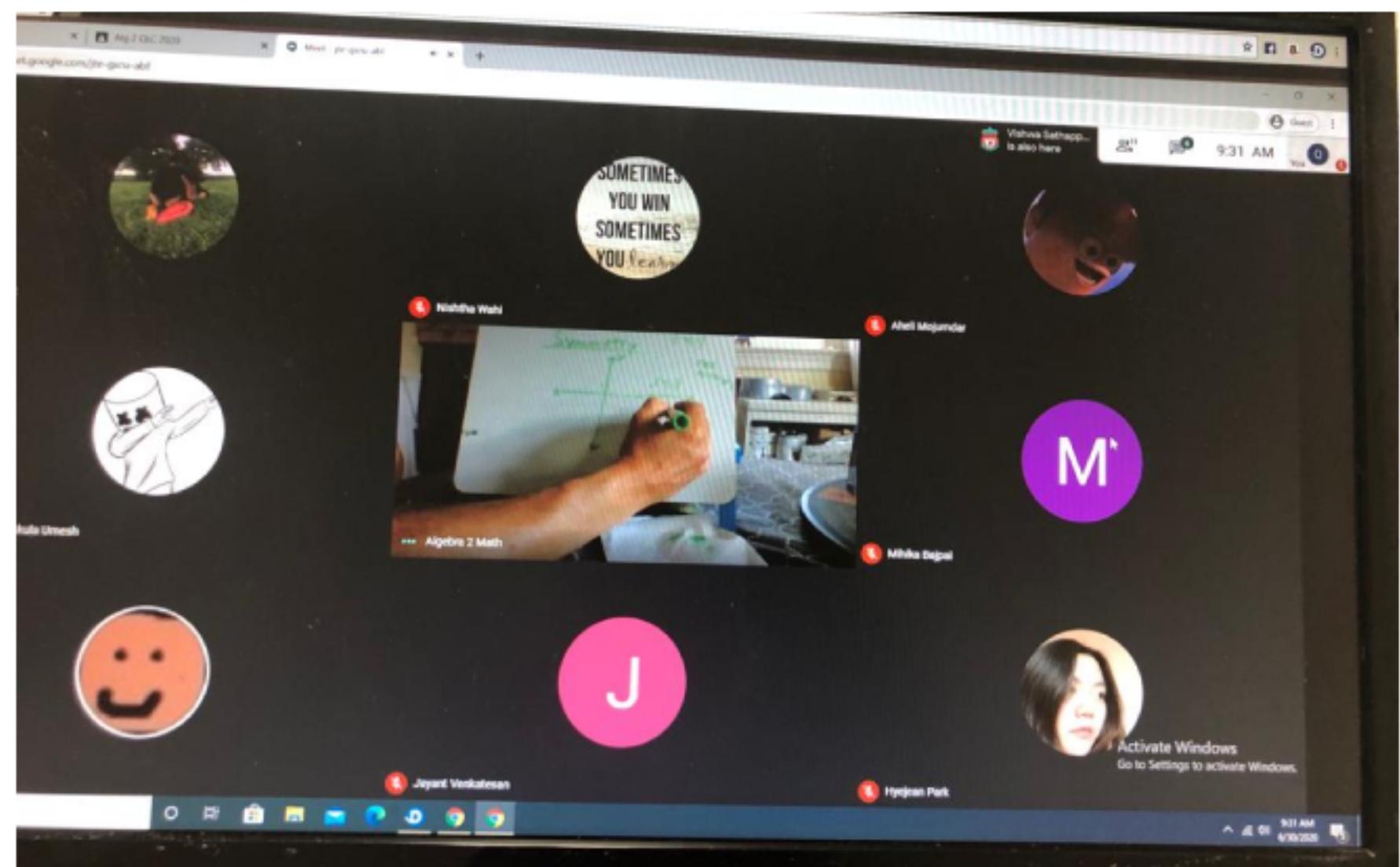
## Quakerbridge's Mission

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



## 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.



# 2021 Summer Courses: June 28 - August 6

## Credit Option II Math Courses

**\*\*** Indicate fulfill Option II

Middle School - <b>7, 8</b>	Honors Algebra I**	Prentice Hall	\$1,850	Mon - Fri	01:00 - 05:00
High School	Honors Geometry**	McDongal Littell	\$1,895	Mon - Fri	08:00 - 12:00
High School	Honors/Advanced Algebra II**	Addison-Wesley	\$1,935	Mon - Fri	08:00 - 12:00
High School	Honors Pre-Calculus**	Larson, Hostetler	\$1,965	Mon - Fri	01:00 - 05:00

## Credit Option II Science Courses

High School	Honors Biology**	Cecie Starr, Thompson	\$2,095	Mon - Fri	01:00 - 05:00
High School	Honors Chemistry**	Prentice Hall	\$2,175	Mon - Fri	01:00 - 05:00
High School	Honors Physics**	Holt Physics	\$2,095	Mon - Fri	01:00 - 05:00

## Credit Option II Computer Science Courses

High School	Introduction to Computer Science with Java**	Starting Out With Java, Tony Gaddis	\$1,950	Mon - Fri	08:00 - 12:00
High School	AP Computer Science A**	Building Java Programs, Stuart Regis, Marty Steep	\$2,095	Mon - Fri	01:00 - 05:00

## Credit Option II Social Science Course

High School	Honors American Studies I**	Houghton Mifflin	\$1,895	Mon - Fri	08:00 - 12:00
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## Enrichment Courses

\*Combine English and Math for a 4-6 week program at a reduced price

Gr. 4-8: <b>A B C D</b>	Reading, Vocabulary and Literature	Sadlier-Oxford, Online Sources	\$965	Mon - Fri	08:50 - 10:20
Gr. 4-8: <b>A B C D</b>	Grammar and Composition	Vocabulary Workshop Sadlier-Oxford	\$985	Mon - Fri	10:30 - 12:00
Gr. 4-9: <b>A B C D</b>	Math Previews	Elementary to Pre-Calculus	\$950	4 Days, 6 Weeks	10:30 - 12:00
Middle School: <b>8+</b>	Introduction to High School Chemistry	Prentice Hall	\$960	4 Days, 6 Weeks	08:50 - 10:20
Middle School: <b>8+</b>	Introduction to High School Biology	Cecie Starr, Thompson	\$960	4 Days, 6 Weeks	08:50 - 10:20
Grades: <b>8 - 9+</b>	AP Statistics Preview	The Practice of Statistics	\$1,050	4 days/week	05:00 - 07:00

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

			4 weeks	5 weeks	6 weeks	
Gr. 4-9: <b>A B C D</b>	STEM focused Science + Tech	Prentice Hall	\$1,395	\$1,595	\$1,750	Mon - Fri
Gr. 7-9: <b>C D</b>	Introduction to Python + Math	Python Documentation	\$1,395	\$1,595	\$1,750	Mon - Fri
Gr. 4-9: <b>A B C D</b>	Creative Writing + Math	Prentice Hall & Online Sources	\$1,395	\$1,595	\$1,750	Mon - Fri

## ACT/SAT/PSAT Test Preparation

(All three subjects for \$2,275)

6 Week Programs

Grades: <b>6 - 8</b>	SSAT/ISEE	McGraw Hill, Kaplan	\$975	3 Days, 6 Weeks	05:00 - 07:00
High School	ACT and SAT Essay Writing	College Board, Barron's	\$750	Tues & Fri, 6 Weeks	04:30 - 06:30
High School	SAT Math	College Board, Barron's	\$750	Wed & Fri, 6 Weeks	01:15 - 04:15
High School	SAT Reading and Language Test	College Board, Barron's	\$1,150	Mon, Tue, Fri, 6 Weeks	01:15 - 04:15
High School	ACT Science	Barron's, Kaplan	\$850	Mon, Thurs, 6 Weeks	09:00 - 12:00

## Private Tutoring

1. One-on-One tutoring  
(10 classes of 15 hours  
private tutoring in one  
subject, \$1,350)

2. One-on-Two tutoring  
(15 classes of 22 hours  
private tutoring in one  
subject, \$1,195)

We offer much more, contact us for information.

Reading • Writing • Math • Science • SAT • ACT • TOEFL  
SAT Subject: 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 class schedule and fees.

## For more Information

Contact:

Phone: 609-588-4442  
Cell: 609-933-8806  
Email: qlc4044@quaker-bridge.com  
Website: quaker-bridge.org



# Enrollment

## Registration

Register by one of the following:

1. Submit an application on our website at [www.quaker-bridge.org](http://www.quaker-bridge.org) in the "Registration" link
2. Call 609-588-4442 or call/text 609-933-8806 to schedule registration.
3. Contact us to visit 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 8th to May 9th,  
every Saturday from 10:00 AM to 3:30 PM.**  
Please call to make a reservation in advance.

## 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.



## Program Course and Schedule

- Six week courses from June 28 to August 6
- See 2021 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

## Tuition and Fees

See fees on the 2021 Summer Courses chart

- Minimum sign-up is 4 weeks per subject
- 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

4044 Quakerbridge Road  
Lawrenceville, NJ 08619-1007  
Website: [www.quaker-bridge.org](http://www.quaker-bridge.org)  
Phone: 609-588-4442 Cell: 609-933-8806  
Email: [qlc4044@quaker-bridge.com](mailto:qlc4044@quaker-bridge.com)

Coupon:

[Super Sayers Premium Discount\\*](#)

Expires by 3/30/21:

\$80/160 off half day  
\$320 off full day

Coupon:

[Early Bird Discount\\*](#)

Expires by 4/30/21:

\$50/80 off half day  
\$170 off full day