

2023 SUMMER PROGRAMS

TENTATIVE SCHEDULE

**FOR HIGH SCHOOL, MIDDLE SCHOOL &
ELEMENTARY SCHOOL STUDENTS**

Office Hours from April 10th to June 18th

South Riding Center:

Monday through Friday from 6:30 pm to 8:30 pm,
Saturday from 9:30am – 12pm
Eastern Standard Time

Herndon Center:

Thursdays from 6:30 – 8:30pm,
Saturday 11:30 am to 3:30 pm
Eastern Standard Time

Ashburn Center:

Monday through Thursday from 6:30 pm to 8:30 pm
Eastern Standard Time

Office Hours from June 19th to August 20th

South Riding Center:

Monday through Friday from 6:30 pm to 8:30 pm,
Saturday from 10am – 12pm
Eastern Standard Time

Herndon Center:

Saturday 1:30 pm to 3:30 pm
Eastern Standard Time

Ashburn Center:

Tuesday and Thursday from 6:30 pm to 8:30 pm
Eastern Standard Time

For Class Schedule Please See Page.2

www.curielearning.com

CONTACT US:

Office phone number: (703) 798-6808

Dr.Rao Mulpuri: (703) 582-0436

Website: www.curielearning.com

Email: curielearning@gmail.com

43250 Stonewall Pond St., South Riding, VA 20152



Herndon Center:

13505 Dulles Technology
Dr., Suite 1,
Herndon, VA 20171

South Riding Center:

43250 Stonewall Pond St.,
South Riding, VA 20152

Ashburn Center:

20604 Gordon Park Square
#150 Ashburn, VA 20147

DROP BOXES AT THE SOUTH RIDING CENTER

All registration forms must be completed online before a payment is made. There is a drop box on the porch of the South Riding Center.
You may drop off your registration form and/or check into a box any time. Please place your check in an envelope. Please include your child's first and last name and the class for which your child is registered.

You may also mail your check to the South Riding Center via USPS (43250 Stonewall Pond St., South Riding, VA 20152).

**REGISTRATIONS ARE NOT YET COMPLETED UNTIL
THE FULL PAYMENT HAS BEEN ACCEPTED AND PROCESSED.**

INDEX of 2023 SUMMER Camps & Courses

Courses for Rising Grade 8, 9, 10, 11 & 12:

1.SAT 1/PSAT/ACT Prep.	(\$895)	<u>Page.4</u>
2.Writing College Application Essays	(\$395)	<u>Page.7</u>
3.Persuasive Writing Fundamentals	(\$395)	<u>Page.8</u>
4.High School Geometry	(\$750)	<u>Page.11</u>
5.Algebra-I	(\$750 Online) (\$795 In-Person)	<u>Page.11</u>
6.Algebra - II	(\$750)	<u>Page.12</u>
7.Pre-Calculus	(\$750)	<u>Page.12</u>
8.Calculus AB	(\$750)	<u>Page.12</u>
9.AET Freshman Math	(\$750)	<u>Page.13</u>
10.High School Statistics	(\$750)	<u>Page.13</u>
11.AP Statistics	(\$950)	<u>Page.13</u>
12.High-School (Honors) Biology/AP Biology	(\$750)	<u>Page.14</u>
13.Honors Chemistry / AP Chemistry	(\$750)	<u>Page.14&15</u>
14.Honors Physics / AP Physics	(\$750)	<u>Page.15</u>
15.TJ Freshman/High School Java	(\$575)	<u>Page.16</u>
16.AP Computer Science	(\$575)	<u>Page.16</u>
17.Python Programming course	(\$250)	<u>Page.18</u>
18.Python Programming course	(\$250)	<u>Page.18</u>
19.(In-Person) Robotics & 3D Printing camp	(\$425)	<u>Page.17</u>

*Robotics kit is included (value of \$110.00).

Courses for Rising Grade 2, 3, 4, 5, 6, 7 & 8:

1.Summer Bridge English Program	(\$475/\$525)	<u>Page.5</u>
2.Non-Fiction English Reading and Writing (\$325 Online) (\$375 In-Person)		<u>Page.6</u>
3.Summer Bridge MATH Program	(\$725/\$775)	<u>Page.9</u>
4.Algebra-I	(\$750 Online) (\$795 In-Person)	<u>Page.11</u>
5.High School Geometry	(\$750)	<u>Page.11</u>
6.Continuing Math Program	(\$285/\$335)	<u>Page.10</u>

*(For Curie Learning current students ONLY)

7.Intro to Java/ACSL Programing	(\$275)	<u>Page.16</u>
8.Python Programming course	(\$250)	<u>Page.18</u>
9.Quantum Computing Course	(\$200)	<u>Page.19</u>

Day Time Technology Summer Camp for Rising Grade 1 - 12:

1.(In-Person) Robotics & 3D Printing camp (\$295) / (\$395)	<u>Page.17</u>
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*Robotics (Rising 5-8 Grade) kit is included (value of \$80.00).

2.Introduction to Python Programming Camp	(\$250)	<u>Page.18</u>
3.Quantum Computing Camp	(\$295)	<u>Page.19</u>
4.Quantum Physics Camp/Course		<u>Page.20</u>
4.Rocket for Design Construction Camp		<u>Page.20</u>



Curie's Signature Level 7 (Rising 8th Grade): TJ / AoS/ AET Coaching Program for Rising 8th Grade Students

Contact by phone @ 703-582-0436 or 703-798-6808

This program incorporates high-level coursework in math, English, writing, science and critical thinking with a focus on preparation for success in high school and college. This program will prepare students not only to pass any test for admission into specialized programs like AET, AOS, and TJ, but also to succeed and even thrive in high school and later in college.

Last chance for new 8th grade students to join!

Only a few students will be accepted after taking an evaluation exam.

July, 10th 2023 - December 2023



[CLICK HERE FOR THE LEVEL 7 \(Rising 8\) PROGRAM ENROLLMENT FORM](#)



SAT 1/PSAT/ACT COURSE

This 8-week online course is intended to prepare students for taking both math and English parts of the SAT/ACT test at the end of August or later. Students in 11th or 12th grade who will be taking or retaking these standardized tests at the end of August or later are encouraged to join. Students preparing for the PSAT are also welcome to join, as the topics tested for the SAT and PSAT are mostly identical. These students include rising 11th graders who plan to take the PSAT in October and the SAT and/or ACT at a later date.

Math classes meet on Wednesdays for two hour periods.

English classes meet on Sundays for two hour periods.

\$895

English Only: \$525

Math Only: \$525

Math: IN-PERSON (at South-Riding) **or ONLINE**

English: ONLINE ONLY

Wednesdays 5:30pm – 7:30pm (EST)

*Sundays 5:15pm – 7:15pm (EST).

June 21st - August 13th

*No classes will be held on July 4th due to the Independence Day holiday.



[CLICK HERE FOR THE SAT/PSAT/ACT ENROLLMENT FORM](#)



Curriculum for the SAT/PSAT/ACT English Course:

Writing: Correcting errors in passages for sentence structure, usage, and punctuation. Revising and editing passages widely varied in purpose, subject and complexity for improving the substance and the quality of writer's message.

Reading: Reading closely for determining what's stated or implied in a passage, citing textual evidence, determining central ideas and themes, summarizing, understanding relationships, interpreting words and phrases in context.

Curriculum for the SAT/PSAT/ACT Math Course:

Mathematics: Topics to be covered (but not limited to): Analyzing relations using proportions and percentages; analyzing data using measures of central tendency of data; conversion of units; using counting and probability concepts for solving real world context problems; identifying equivalent algebraic expressions; solving: exponential, absolute and linear equations, inequalities, systems of linear equations, and quadratic equations; modeling and graphing of real world situations using linear and nonlinear functions; translations and reflections of functions; addition, subtraction, multiplication and division of complex numbers; logarithm operation; sequences; trigonometric functions; lines and angles; solving problems related to perimeter, area, surface area, and volume of 2-D and 3-D figures.

ENGLISH COURSES

Summer Bridge English Program

For Rising Levels 5–7

For new Curie Learning students who want to “bridge the gap” so they are prepared to join the next level in the upcoming school year!

This **eight-week** course offers a condensed version of our school year English class. Students will have weekly writing and grammar lessons, the most important lessons chosen from our school year class. Students will also write an essay and receive feedback on their rough draft and final draft.

At the end of the class, students will take the placement test. A passing placement test score will allow them to join the next level for the upcoming school year.

*Students will only be permitted to join the sections for which they are registered. Instructional videos or class visitations will not be permitted should a student miss class.

Total Classroom
Teaching Hours:
16

[CLICK HERE FOR AN INFORMATION VIDEO!](#)

Rising Grade:	Rising Level 5	Rising Level 6	Rising Level 7
Online <i>*For online courses, materials are provided through the Google Classroom and are printed from home by the students.</i>	Tuesdays 6:30pm – 8:30pm <i>Eastern Standard Time</i> 6/20 - 8/15 \$475 <i>15 student CAP</i> <i>**Due to the holiday on 7/4, this class will be extended one week**</i>	Wednesdays 6:30pm – 8:30pm <i>Eastern Standard Time</i> 6/21 - 8/9 \$475 <i>15 student CAP</i>	Mondays 6:30pm – 8:30pm <i>Eastern Standard Time</i> 6/19 - 8/7 \$475 <i>15 student CAP</i>
South Riding Center	Tuesdays 6:30pm – 8:30pm <i>Eastern Standard Time</i> 6/20 - 8/15 \$525 <i>15 student CAP</i> <i>**Due to the holiday on 7/4, this class will be extended one week**</i>	Wednesdays 6:30pm – 8:30pm <i>Eastern Standard Time</i> 6/21 - 8/9 \$525 <i>15 student CAP</i>	Mondays 6:30pm – 8:30pm <i>Eastern Standard Time</i> 6/19 - 8/7 \$525 <i>15 student CAP</i>

****There will be a \$100 discount from the total price for any student simultaneously enrolled for both this course and the **Bridge Math** course****

Important Notes:

- *Taking this class does not guarantee that students will be able to join the next level for the following school year; this depends on the student's performance in the class and on the placement test.*
- *If you are contemplating joining both Bridge English and Bridge Math, consider the time requirement. Each class requires an estimated 2-3 hours of homework outside the class. This is a large commitment for students and parents alike.*
- *Rising third and fourth graders are welcome to join the Nonfiction class; this should help them prepare for the next school year.*



[CLICK HERE FOR THE BRIDGE ENGLISH ENROLLMENT FORM](#)



Nonfiction English Reading and Writing: (For Rising Grades 3–7)

Total Classroom
Teaching Hours:
10.5

This **seven-week** course focuses on strategies of reading nonfiction material. Students will read nonfiction books and articles and participate in discussions, activities, and written work about the material read. They will also write an essay and receive weekly feedback on their writing from their teacher. This class is highly recommended to improve reading comprehension skills, which is very important for academic success. This course will also help students in writing essays on diversified topics. (Knowledge of diversified nonfiction topics is crucial for success in many academic subjects as well as the TJ/AOS admission process.) **Students will only be permitted to attend the sections for which they are registered. Instructional videos or class visitations will not be permitted should a student miss class.*

[CLICK HERE FOR AN INFORMATION VIDEO!](#)

*This course will require the purchase of two nonfiction books. Please see the links below for details.
Once you have registered, an email will be sent to you listing the books that you will need to purchase.*

Rising Grade:	Rising 3 rd Grade	Rising 4 th Grade	Rising 5 th Grade	Rising 6 th Grade	Rising 7 th Grade
Online <i>*For online courses, materials are provided through the Google Classroom and are printed from home by the students.</i>	Thursdays 6:30pm – 7:30pm <i>Eastern Standard Time</i> 6/29 - 8/10 ----- \$215 (7 teaching hours) <i>10 student CAP</i>	Wednesdays 6:00pm – 7:30pm <i>Eastern Standard Time</i> 6/28 - 8/9 ----- \$325 (10.5 teaching hours) <i>15 student CAP</i>	Tuesdays 6:00pm – 7:30pm <i>Eastern Standard Time</i> 6/27 - 8/15 <i>**Due to the holiday on 7/4, this class will be extended one week**</i> ----- \$325 (10.5 teaching hours) <i>15 student CAP</i>	Wednesdays 7:30pm – 9:00pm <i>Eastern Standard Time</i> 6/28 - 8/9 ----- \$325 (10.5 teaching hours) <i>15 student CAP</i>	Mondays 7:30pm – 9:00pm <i>Eastern Standard Time</i> 6/26 - 8/7 ----- \$325 (10.5 teaching hours) <i>15 student CAP</i>
South Riding Center	Tuesdays 6:00pm – 7:00pm <i>Eastern Standard Time</i> 6/27 - 8/15 <i>**Due to the holiday on 7/4, this class will be extended one week**</i> ----- \$265 (7 teaching hours) <i>10 student CAP</i> <i>South Riding Center</i>	Mondays 6:00pm – 7:30pm <i>Eastern Standard Time</i> 6/26 - 8/7 ----- \$375 (10.5 teaching hours) <i>15 student CAP</i> <i>South Riding Center</i>	Thursdays 6:00pm – 7:30pm <i>Eastern Standard Time</i> 6/29 - 8/10 ----- \$375 (10.5 teaching hours) <i>15 student CAP</i> <i>South Riding Center</i>	Mondays 7:30pm – 9:00pm <i>Eastern Standard Time</i> 6/26 - 8/7 ----- \$375 (10.5 teaching hours) <i>15 student CAP</i> <i>South Riding Center</i>	Wednesdays 7:30pm – 9:00pm <i>Eastern Standard Time</i> 6/28 - 8/9 ----- \$375 (10.5 teaching hours) <i>15 student CAP</i> <i>South Riding Center</i>

There will be a **\$100 discount from the total price for any student simultaneously enrolled for both this course and the **Continuing Math** or **Bridge Math** course**

Click the hyperlinks below for the Amazon link:

***You may also use the ISBN to search for the books using other sites**

RISING 3: [Who Was Walt Disney?](#) **AND** [Moto and Me: My Year as a Wildcat's Foster Mom](#)
RISING 4: [Producers, Consumers, and Decomposers](#) **AND** [It's Been a While, River Nile](#)
RISING 5: [John Adams: Young Revolutionary](#)
RISING 6: [A Long Walk to Water](#) **AND** [What a Waste! Where Does the Garbage Go?](#)
RISING 7: [Red Scarf Girl](#)



[CLICK HERE FOR THE NONFICTION READING ENROLLMENT FORM](#)



Writing College Application Essays (Ms. June Mena)

For Rising Grades 10–12

(Part I of Writing for College and Career Preparation, which is offered during the school year)

An **eight-week** course providing intensive instruction and practice in writing the Common Application essays

Minimum capsized: 5 / Maximum capsized: 8

[CLICK HERE FOR AN INFORMATION VIDEO!](#)

Students will write and polish several of the Common Application essays, which are used in many universities' application processes. They are also welcome to bring in other essays they are writing for specific universities. Students will improve their essays through weekly feedback from the teacher and their peers.

This is a small-group class, structured similarly to a writing group. Students are expected to bring their writing assignment each week to share with the class. They are expected to give and accept feedback from the teacher and their peers. This small-group class structure provides an ideal environment for writing improvement.

Why Join Writing College Application Essays?

- Students receive personalized feedback on their writing every week from an experienced writing teacher!
- Students will prepare and polish several essays that they can use to apply for college, potentially leading to greater rates of college acceptance and scholarships.
- Students will receive advice that will make the college application process easier to navigate.
- The writing skills learned will give students a head start on high school and college writing assignments.
- Students may improve their grades in English and writing classes, and other classes as well, since almost every class involves writing!
- Students get a chance to discuss writing and ask questions in an interactive, small-group learning environment, a more effective way to learn writing than in a large class.

\$395

Online: Mondays 7:45pm – 8:45pm (EST) from **June 19th - August 7th**



[CLICK HERE FOR THE WRITING COLLEGE APPLICATION ESSAYS ENROLLMENT FORM](#)



Persuasive Writing Fundamentals (Ms. Benita Mainer)

For Rising Grades 9–12

(Part I of High School Writing Fundamentals, which is offered during the school year)

An **eight-week** course providing intensive instruction and practice in persuasive essays (five-paragraph argumentative essays)

Minimum capsized: 5 / Maximum capsized: 8

[CLICK HERE FOR AN INFORMATION VIDEO!](#)

Mastering persuasive writing skills is crucial for student success in English classes in high school and college. Students will improve their persuasive essay through weekly feedback from the teacher and their peers.

This is a small-group class, structured similarly to a writing group. Students are expected to bring their writing assignment each week to share with the class. They are expected to give and accept feedback from the teacher and their peers. This small-group class structure provides an ideal environment for writing improvement.

Why Join Persuasive Writing Fundamentals?

- Students receive personalized feedback on their writing every week from an experienced writing teacher!
- The writing skills learned will give students a head start on high school and college writing assignments.
- Students may improve their grades in English and writing classes, and other classes as well, since almost every class involves writing!
- Students get a chance to discuss writing and ask questions in an interactive, small-group learning environment, a more effective way to learn writing than in a large class.

\$395

Online: Mondays 6:30pm – 7:30pm (EST) from **June 19th - August 7th**



[CLICK HERE FOR THE PERSUASIVE WRITING FUNDAMENTALS ENROLLMENT FORM](#)



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MATH COURSES

Summer Bridge Math Program

This **eight-week** course is recommended for **students who are new to our program** or who would like the “bridge the gap” between levels during the summer months. For those who plan to join our program for the upcoming year, this will give the student a boost for the upcoming school year. This is good for new students who are only interested in a summer program in order to continue learning and practicing math skills. **The curriculum used for this course includes units that are taught in our program for the previous school year; for example, an advanced rising 6th grade student will be taught most of our Level 5 curriculum for this course and will be on track to take our Level 6 program in the fall.**

The teaching will be conducted in a small group setting according to grade level. Students will be given videos and homework after every session which will need to be done before the next class. Parental support will be needed to help monitor the homework and parents will be given answer keys in order to provide the student with the immediate feedback necessary.

Total Classroom
Teaching Hours:
24

[CLICK HERE FOR AN INFORMATION VIDEO and CURRICULUM LISTS!](#)

Rising Grade:	Rising Level 2 (Our Level 1 Curriculum)	Rising Level 3 (Our Level 2 Curriculum)	Rising Level 4 (Our Level 3 Curriculum)	Rising Level 5 (Our Level 4 Curriculum)	Rising Level 6 (Our Level 5 Curriculum)	Rising Level 7 (Our Level 6 Curriculum {Algebra 1})
Online <i>*For online courses, materials are provided through the Google Classroom and are printed from home by the students.</i>	Mondays and Wednesdays 6:30pm – 8:00pm 6/19 - 8/9 ----- \$725 (24 teaching hours) 8 student CAP	Mondays and Wednesdays 6:00pm – 7:30pm 6/19 - 8/9 ----- \$725 (24 teaching hours) 10 student CAP	Tuesdays and Thursdays 6:00pm – 7:30pm 6/20 - 8/15 <i>**Due to the holiday on 7/4, this class will be extended until the 15th**</i> ----- \$725 (24 teaching hours) 15 student CAP	Mondays and Wednesdays 7:30pm – 9:00pm 6/19 - 8/9 ----- \$725 (24 teaching hours) 20 student CAP	Tuesdays and Thursdays 7:30pm – 9:00pm 6/20 - 8/15 <i>**Due to the holiday on 7/4, this class will be extended until the 15th**</i> ----- \$725 (24 teaching hours) 25 student CAP	Tuesdays and Thursdays 6:30pm – 8:30pm 6/20 - 8/15 <i>**Due to the holiday on 7/4, this class will be extended until the 15th**</i> ----- \$750 (32 teaching hours) 30 student CAP
South Riding Center	Mondays and Wednesdays 6:30pm – 8:00pm 6/19 - 8/9 ----- \$775 (24 teaching hours) 8 student CAP	Mondays and Wednesdays 6:00pm – 7:30pm 6/19 - 8/9 ----- \$775 (24 teaching hours) 10 student CAP	Tuesdays and Thursdays 6:00pm – 7:30pm 6/20 - 8/15 <i>**Due to the holiday on 7/4, this class will be extended until the 15th**</i> ----- \$775 (24 teaching hours) 15 student CAP	Mondays and Wednesdays 7:30pm – 9:00pm 6/19 - 8/9 ----- \$775 (24 teaching hours) 20 student CAP	Tuesdays and Thursdays 7:30pm – 9:00pm 6/20 - 8/15 <i>**Due to the holiday on 7/4, this class will be extended until the 15th**</i> ----- \$775 (24 teaching hours) 25 student CAP	Tuesdays and Thursdays 6:30pm – 8:30pm 6/20 - 8/15 <i>**Due to the holiday on 7/4, this class will be extended until the 15th**</i> ----- \$795 (32 teaching hours) 30 student CAP

****There will be a \$100 discount on the total price for any student enrolled for both this course and a Non Fiction Reading & Writing or Bridge English course****

Important Notes:

- Taking this class does not guarantee that students will be able to join the next level for the following school year; this depends on the student's performance in the class and on the placement test.
- If you are contemplating joining both Bridge English and Bridge Math, consider the time requirement. Each class requires an estimated 2-3 hours of homework outside the class. This is a large commitment for students and parents alike.
- The Bridge Program for Rising 7th Graders is the **Algebra 1** Course



[CLICK HERE FOR THE BRIDGE MATH ENROLLMENT FORM](#)



Continuing Math Program

(For Continuing Curie Learning Students ONLY)

Total
Teaching Hours: **7**
+ Online Videos

This **seven-week** instructional course continues the concepts taught during the previous academic school year. One extra unit will be taught per level.

This class is strictly intended for students who have been attending through the previous school year. One additional unit will be taught as a continuation of our regular academic program.

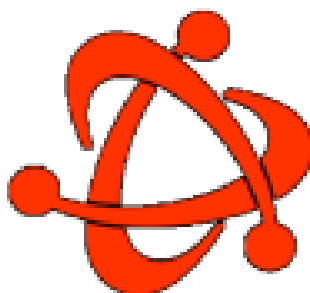
[CLICK HERE FOR AN INFORMATION VIDEO AND CURRICULUM LISTS!](#)

Rising Grade:	Continuing Level 2 (Rising Level 3) Measurement Unit	Continuing Level 3 (Rising Level 4) Pre-Algebra Unit	Continuing Level 4 (Rising Level 5) Geometry Unit	Continuing Level 5 (Rising Level 6) Probability Unit	Continuing Level 6 (Rising Level 7) Geometry Unit
Online *For online courses, materials are provided through the Google Classroom and are printed from home by the students.	Thursdays 7:30pm – 8:30pm 6/29 - 8/10 ----- \$285 (7 teaching hours) 10 student CAP	Wednesdays 7:30pm – 8:30pm 6/28 - 8/9 ----- \$285 (7 teaching hours) 15 student CAP	Tuesdays 7:30pm – 8:30pm 6/27 - 8/15 **Due to the holiday on 7/4, this class will be extended until the 15th** ----- \$285 (7 teaching hours) 20 student CAP	Wednesdays 6:30pm – 7:30pm 6/28 - 8/9 ----- \$285 (7 teaching hours) 25 student CAP	Mondays 6:30pm – 7:30pm 6/26 - 8/7 ----- \$285 (7 teaching hours) 30 student CAP
South Riding Center	Tuesdays 7:00pm – 8:00pm 6/27 - 8/15 **Due to the holiday on 7/4, this class will be extended one week** ----- \$335 (7 teaching hours) 10 student CAP South Riding Center	Mondays 7:30pm – 8:30pm 6/26 - 8/7 ----- \$335 (7 teaching hours) 15 student CAP South Riding Center	Thursdays 7:30pm – 8:30pm 6/29 - 8/10 ----- \$335 (7 teaching hours) 20 student CAP South Riding Center	Mondays 6:30pm – 7:30pm 6/26 - 8/7 ----- \$335 (7 teaching hours) 25 student CAP South Riding Center	Wednesdays 6:30pm – 7:30pm 6/28 - 8/9 ----- \$335 (7 teaching hours) 30 student CAP South Riding Center

There will be a **\$100 discount on the total price for any student enrolled for both this course and a **Non Fiction Reading & Writing** course**



[CLICK HERE FOR THE CONTINUING MATH ENROLLMENT FORM](#)



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Algebra 1 (Ms. Nora Tran) (Ms. Ruchi Saxena)

This **eight-week** course is intended to prepare students for taking High-School Algebra 1 during the upcoming academic year. Whether students are taking Algebra 1 as a seventh, eighth, or ninth grader in their day schools, our program will help prepare students for this high-school-credit math class (which affects their high school GPA). Not only will we give the students a head start with the concepts taught in any Algebra 1 course, we will help them to transition into an advanced high school level course by expecting a certain degree of rigor and independent learning skills. Also, gaining a thorough understanding of Algebra 1 concepts is necessary for scoring well on the SAT/ACT later on.

Students will be given instructional videos as a reference tool for the lessons, but the lessons will be taught during class time.

[CLICK HERE FOR AN INFORMATION VIDEO AND CURRICULUM LIST](#)

<p style="text-align: center;">\$750 <i>Online— Tuesdays & Thursdays from 6:30 – 8:30 pm (EST) [6/20 – 8/15]</i></p>	<p style="text-align: center;">\$795 <i>South Riding Center— Tuesdays & Thursdays from 6:30 – 8:30 pm (EST) [6/20 – 8/15]</i></p>	<p style="text-align: center;">\$795 <i>Ashburn Center— Mondays & Wednesdays from 6:30 – 8:30 pm (EST) [6/19 – 8/09]</i></p>
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This class will meet twice per week for two-hour sessions for a total of 16 sessions.
*No classes will be held on July 4th due to the Independence Day holiday.

 [CLICK HERE FOR THE ALGEBRA 1 ENROLLMENT FORM](#) 

High School Geometry

This **eight-week** course is intended to prepare students for taking high school Geometry during the upcoming academic year. In the day schools, Geometry is the class that follows Algebra 1 the previous year. Whether students are taking Geometry as a middle school or high school student, our program will help prepare them for this high-school-credit math class (which affects their high school GPA). Not only will we give the students a head start with the concepts taught in any Geometry course, we will help them to transition into an advanced Geometry course by expecting a certain degree of rigor and independent learning skills. Also, gaining a thorough understanding of Geometry concepts is necessary for scoring well on the SAT/ACT later on.

[CLICK HERE FOR THE CURRICULUM LIST](#)

\$750

ONLINE ONLY: *Mondays and Wednesdays from 6:30 – 8:30pm EST*

This class will meet twice per week for two-hour sessions.
The course will run through the week of **6/19 through 8/9**.

 [CLICK HERE FOR THE GEOMETRY ENROLLMENT FORM](#) 



Algebra 2 (Mr. Alfred Streicher)

This **eight-week** course is intended to prepare students for taking high school Algebra 2 during the upcoming academic year. In the day schools, the progression of math courses is the following order: first Algebra 1, then Geometry, then Algebra 2; Algebra 2 is a course required for a high school diploma and which most students take as 8th, 9th, or 10th graders (depending upon their level). Our program will help prepare students for this high-school-credit math class (which affects their high school GPA). Not only will we give the students a head-start with the concepts taught in any Algebra 2 course, we will help them to transition into an advanced Algebra 2 course by expecting a certain degree of rigor and independent learning skills. Also, gaining a thorough understanding of Algebra 2 concepts is necessary for scoring well in SAT/ACT later on. High SAT/ACT scores are required for getting admission into good colleges.

[**CLICK HERE FOR THE CURRICULUM LIST**](#)

\$750

ONLINE ONLY: *Mondays and Wednesdays from 10am – 12pm EST*

This class will meet twice per week for two-hour sessions.

The course will run through the week of **6/19 through 8/9**.



[**CLICK HERE FOR THE ALGEBRA 2 ENROLLMENT FORM**](#)



Pre-Calculus (Dr. Rao Mulpuri)

This **eight-week** course is intended to prepare students for taking high school Pre-Calculus during the upcoming academic year. In the day schools, students have the option to take Pre-Calculus after completing Algebra 2.

Our program will help prepare students for this high-school-credit math class (which affects their high school GPA). Not only will we give the students a head start with the concepts taught in any Pre-Calculus course, we will help them to transition into an advanced Pre-Calculus course by expecting a certain degree of rigor and independent learning skills. Also, gaining a thorough understanding of Pre-Calculus concepts is necessary to prepare for higher level math courses like AP Calculus, Calculus AB/BC, and AP Statistics.

[**CLICK HERE FOR THE CURRICULUM LIST**](#)

\$750

ONLINE AND IN-PERSON OPTIONS AVAILABLE:

ONLINE: *Mondays and Fridays 6:00pm – 7:30pm EST*

South-Riding CENTER: *Mondays and Fridays 6:00pm – 7:30pm EST*

This class will meet twice per week for two-hour sessions.

The course will run through the week of **6/19 through 8/11**.



[**CLICK HERE FOR THE PRECALCULUS ENROLLMENT FORM**](#)



Calculus AB

This **eight-week** course is intended to prepare students for taking Calculus AB course in the coming academic year.

[**CLICK HERE FOR THE CURRICULUM LIST**](#)

\$750

ONLINE ONLY: *Tuesdays and Thursdays from 6:30pm – 8:30pm EST*

This class will meet twice per week for two-hour sessions.

The course will run through the week of **6/20 through 8/15**.

*No classes will be held on July 4th due to the Independence Day holiday.



[**CLICK HERE FOR THE CALCULUS AB ENROLLMENT FORM**](#)



AET Freshman Math (Mr. Alfred Streicher)

If a students will be joining the AET Freshman course for the upcoming school year, it is recommended that the student register for our **Algebra 2** course. This is the material that will best prepare students for the AET Freshman Math program.

Please see the information for the Algebra 2 Course



[CLICK HERE FOR THE ALGEBRA 2 ENROLLMENT FORM](#)



HS STATISTICS (Mr. Benjamin Natelson)

This **eight-week** course is intended to prepare students for any high school Statistics course, including General and Honors Statistics. For the preparation for an AP Statistic course, please register for the **AP Statistics** course mentioned below.

[CLICK HERE FOR THE CURRICULUM LIST](#)

\$750

ONLINE ONLY: *Mondays and Wednesdays from 10am – 12pm EST*

This class will meet twice per week for two-hour sessions.
The course will run through the week of **6/19 through 8/9**.



[CLICK HERE FOR THE HIGH SCHOOL STATS ENROLLMENT FORM](#)



AP STATISTICS (Mr. Benjamin Natelson)

This **eight-week** course is intended to prepare students for taking AP Statistics course in the coming academic year. Preparing for the AP course is a great idea not only for scoring a high grade in the course, but also for scoring well in the AP Exam at the end of the academic year. Many colleges require an AP Exam score of 4 or 5 to transfer the course for college credit.

[CLICK HERE FOR THE CURRICULUM LIST](#)

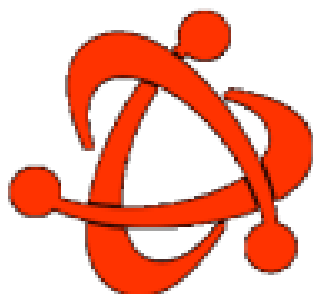
\$950

ONLINE ONLY: *Mondays and Wednesdays and Fridays from 10am – 12pm EST*

This class will meet thrice per week for two-hour sessions.
The course will run through the week of **6/19 through 8/11**.



[CLICK HERE FOR THE AP STATS ENROLLMENT FORM](#)



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SCIENCE COURSES

Honors (High School) Biology (Ms. Maryann Pereira)

This **eight-week** instruction-based course is intended to prepare students who will be taking a General or Honors biology course during the upcoming school year. In this instruction-based course, we cover all the general material taught in any high school biology course plus the higher-level concepts taught in the Honors & AP courses.

For students who are taking AP Biology during the upcoming school year, it is recommended that the student join our AP Test Preparation course during the school year; it is in the AP Test Preparation course that we focus on the upcoming AP Exam.

[CLICK HERE FOR THE CURRICULUM LIST](#)

\$750

ONLINE ONLY: *Tuesdays and Thursdays from 9:30am – 11:30am EST*

This class will meet twice per week for two-hour sessions.

The course will run through the week of **6/20 through 8/15**.

*No classes will be held on July 4th due to the Independence Day holiday.



[CLICK HERE FOR THE HONORS BIOLOGY ENROLLMENT FORM](#)



AP Biology (Mr. Larry Sullivan)

This **eight-week** course is intended to prepare students for taking the AP Biology course in the coming academic year. Preparing for the AP course is useful, not only for getting a high grade in the course, but also for scoring well in the AP Exam at the end of the academic year. Many colleges require an AP Exam score of 4 or 5 to transfer the course for college credit. Subject SAT (SAT II) exams have been removed by the College Board and colleges will now be more focused on AP subject scores in the admission process.

For students who are taking AP Biology during the upcoming school year, we also recommend that the student join our AP Test Preparation course during the school year; it is in the AP Test Preparation course that we focus on the upcoming AP Exam.

[CLICK HERE FOR THE CURRICULUM LIST](#)

\$750

ONLINE ONLY: *Mondays and Wednesdays from 3:30 – 5:30pm EST*

This class will meet twice per week for two-hour sessions.

The course will run through the week of **6/19 through 8/9**.

*No classes will be held on July 4th due to the Independence Day holiday.



[CLICK HERE FOR THE AP BIOLOGY ENROLLMENT FORM](#)



Honors Chemistry (Ms. Tina Sabatello)

This **eight-week** instruction-based course is intended to prepare students for taking an Honors Chemistry course in the coming academic year. Honors chemistry is often considered a more difficult high school course, as it is a college prep. course. It is very mathematically and logically driven. A head-start with these concepts will help in student success when taking the Honors

Chemistry course during the school year.

[CLICK HERE FOR THE CURRICULUM LIST](#)

\$750

ONLINE ONLY: *Tuesdays and Thursdays from 9:30am – 11:30am EST*

This class will meet twice per week for two-hour sessions.

The course will run through the week of **6/20 through 8/15**.

*No classes will be held on July 4th due to the Independence Day holiday.



[CLICK HERE FOR THE HONORS CHEMISTRY ENROLLMENT FORM](#)



AP Chemistry (Mr. Larry Sullivan)

This **eight-week** course is intended to prepare students for taking the AP Chemistry course in the coming academic year. Preparing for the AP course is a great idea not only for getting a high grade in the course, but also for scoring well in the AP Exam at the end of the academic year. Many colleges require an AP Exam score of 4 or 5 to transfer the course for college credit. Subject SAT (SAT II) exams have been removed by the College Board and colleges from now on will be looking at AP subject scores in the admission process. For students who are taking AP Chemistry during the upcoming school year, we also recommend that the student join our AP Test Preparation course during the school year; it is in the AP Test Preparation course that we focus on the upcoming AP Exam.

[CLICK HERE FOR THE CURRICULUM LIST](#)

\$750

ONLINE ONLY: *Mondays and Wednesdays from 6:30PM – 8:30pm EST*

This class will meet twice per week for two-hour sessions.

The course will run through the week of **6/19 through 8/9**.

*No classes will be held on July 4th due to the Independence Day holiday.



[CLICK HERE FOR THE AP CHEMISTRY ENROLLMENT FORM](#)



High School Physics

High School Physics Honors / AP Physics 1 (Algebra-based)

This **eight week** course is designed to prepare students to take high school General Physics or Honors Physics during the upcoming academic school year. We teach concepts using algebra; however, the concepts and problem solving strategies behind the methods are similar for all high school physics courses. Our course will provide an excellent head start no matter which of the two physics courses the student is taking during the upcoming school year; we teach the physics concepts as well as problem-solving strategies. We also conduct simulations for experience.

[CLICK HERE FOR THE CURRICULUM LIST](#)

\$750

ONLINE ONLY: *Tuesdays and Thursdays from 9:30am – 11:30am*

This class will meet twice per week for two-hour sessions.

The course will run through the week of **6/20 through 8/10**.

*No classes will be held on July 4th due to the Independence Day holiday.



[CLICK HERE FOR THE HONORS PHYSICS ENROLLMENT FORM](#)



COMPUTER COURSES

Intro to JAVA (ACSL Programming) (Mr. Aashray Manchanda)

Rising 6th Grade and Up

Introduction to Java/ACSL is a fast-paced **three-week-long** course that covers the fundamentals of computer science and programming in Java. The course is the perfect way for 6th-10th graders to take advantage of their summer and improve their skills in computer programming and also work towards the ACSL competition. The course is **project-based**, and emphasizes real-world applications of coding, giving students many opportunities to practice the skills they learn and truly master the content over the course of the week.

[CLICK HERE FOR THE COURSE SCHEDULE](#)

\$275

ONLINE ONLY: Tuesdays and Thursdays (7/11-7/27), 9 AM - 11 AM EST

This class will meet once per week for two-hour sessions.

*No classes will be held on July 4th due to the Independence Day holiday.



[CLICK HERE FOR THE INRO TO JAVA ENROLLMENT FORM](#)



High School JAVA (Mr. Aaron Guidry)

(TJ Freshman JAVA)

In this **seven-week** course students will learn to program using JAVA, a widely used general purpose programming language. This course is designed to prepare students to excel in freshman Computer Science course at TJ and Computer Science course at other high schools for rising 9th, 10th, 11th or 12th grade students. Students will have hands-on experience with coding. Classes meet twice a week.

[CLICK HERE FOR THE CURRICULUM LIST](#)

\$575

ONLINE ONLY: Tuesdays and Thursdays from 12pm – 2pm EST

This class will meet twice per week for two-hour sessions.

The course will run through the week of **6/20 through 8/8**.

*No classes will be held on July 4th due to the Independence Day holiday.



[CLICK HERE FOR THE INRO TO HIGH SCHOOL JAVA ENROLLMENT FORM](#)



AP Computer Science (Mr. Aaron Guidry)

This **seven-week** course is intended to prepare students for taking the AP Computer Science A course in the coming academic year. Preparing for the AP course is a great idea not only for getting a high grade in the course, but also for scoring well in the AP Exam at the end of the academic year. Many colleges require an AP Exam score of 4 or 5 to transfer the course for college credit. Subject SAT (SAT II) exams have been removed by the College Board, and colleges from now on will be looking at

AP subject scores in the admission process.

[CLICK HERE FOR THE CURRICULUM LIST](#)

\$575

ONLINE ONLY: Mondays and Wednesdays from 12pm – 2pm

*One practice test will be reviewed on Saturday, 8/12 from 12pm – 2pm.

This class will meet twice per week for two-hour sessions.

The course will run through the week of **6/19 through 8/2**.

*No classes will be held on July 4th due to the Independence Day holiday.



[CLICK HERE FOR THE AP COMPUTER SCIENCE ENROLLMENT FORM](#)



STEM COURSES & CAMPS

Camps: Robotics & Arduinos – (In-Person)

Rising 1st to 12th Graders

First for Youth Team

(An organization created to give students STEM opportunities while starting, mentoring and funding Robotics teams in Northern Virginia)

Rising 1st to 4th Graders

During this **one-week camp**, students will acquire teamwork and problem-solving skills to construct Lego energy models under the guidance of our trained robotics instructors. Our instructors will provide a comprehensive overview of assembling energy models to show the different energy components such as source, storage, distribution, and consumption. Students will then learn to program the models to operate at the same time, demonstrating the flow of energy from the source to their communities. In addition, the students will participate in numerous projects, enabling them to learn about energy transfer and develop their skills of teamwork, problem solving, and block programming.

[CLICK HERE FOR THE CAMP ITINERARY](#)

\$295

IN-PERSON at South-Riding center

Camp 1: July 3rd to July 7th from 9 AM to 2 PM

Camp 2: July 24th to July 28th from 9 AM to 2 PM

Rising 5th to 8th Graders

During this **one-week camp**, students will use hands-on robotics kits along with our experienced robotics instructors to learn the intricacies of Arduinos and robotics. Our team of instructors will be walking students through the basics of assembling the robotics kit to programming it to follow a line, detect walls, and many other projects throughout the week. Students will learn the basics of C++ and Arduino programming, and will gain experience with assembling and testing a robot kit.

*Robotics kit is included value of \$80.00.

[CLICK HERE FOR THE CAMP ITINERARY](#)

\$395

IN-PERSON at South-Riding center

Camp 1: June 26th to June 30th from 9 AM to 2 PM

Camp 2: July 17th to July 21st from 9 AM to 2 PM

Rising 9th to 12th Graders

During this **one-week camp**, students will learn about arduino and self-driving vehicles using hands-on robot car kits and our experienced robotics instructors. Our team of instructors will guide students through the assembly of their robot cars, assisting them in making the car models self-driving using real-world applications. Students will learn the fundamentals of Arduino programming and Python, as well as gain experience with self-driving cars and assembling and testing their own prototype models.

*Robotics kit is included value of \$110.00.

[CLICK HERE FOR THE CAMP ITINERARY](#)

\$425

IN-PERSON at South-Riding center

Camp 1: July 10th to July 14th from 9 AM to 2 PM



[CLICK HERE FOR THE ROBOTICS CAMP ENROLLMENT FORM](#)



Camp: Introduction to Python Programming

5-Day Camp for Rising 6th – 10th Grade Student

Introduction to Python is a fast-paced **one-week-long** course that covers the fundamentals of computer science and programming, taught in Python. The course offers a great introduction to computer programming for anyone new to coding. The course is **project-based**, and emphasizes real-world applications of coding, giving students many opportunities to practice the skills they learn and truly master the content over the course of the week. The class is taught by Aashray Manchanda, a Computer Engineering student at UC Berkeley, and has been taught many times over the past three years, consistently receiving great reviews.

[CLICK HERE FOR THE CAMP ITINERARY!](#)

\$200

ONLINE ONLY: Monday - Friday (6/26-6/30), 9 AM - 11 AM EST



[CLICK HERE FOR THE INTRO TO PYTHON CAMP ENROLLMENT FORM](#)



Python Programming: an Introductory Course

3-week Course for Rising 6th – 10th Grade Student

This course covers the exact same content as the one-week course option. With this option being 6-days instead of 5, it is slightly slower-paced and will provide more time to digest the content being learned

Introduction to Python is a fast-paced **three-week-long** course that covers the fundamentals of computer science and programming, taught in Python. The course offers a great introduction to computer programming for anyone new to coding. The course is **project-based**, and emphasizes real-world applications of coding, giving students many opportunities to practice the skills they learn and truly master the content over the course of the week. The class is taught by Aashray Manchanda, a Computer Engineering student at UC Berkeley, and has been taught many times over the past three years, consistently receiving great reviews.

This class meets twice per week for two-hour sessions.

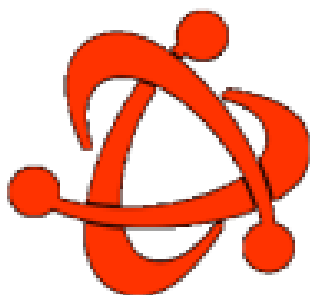
[CLICK HERE FOR THE COURSE ITINERARY!](#)

\$250

ONLINE ONLY: Mondays and Wednesdays (7/10-7/26), 9 AM - 11 AM EST



[CLICK HERE FOR THE PYTHON PROGRAMMING COURSE ENROLLMENT FORM](#)



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Quantum Computing Course

Rising 5th to 8th Graders

This course is run by qMe, an organization created by high school students for younger students! qMe is a one-of-a-kind organization aimed to teach younger students about the rapidly growing field of quantum computing and its subsets with the aim of making quantum computing accessible to students of all backgrounds. This course tends to conventionally start at the university level, but by igniting interests of the young demographic towards the field early, we can shape the role our future workforce will play in this important field, which is estimated to rapidly grow in the next decade. Students will learn higher level math concepts, programming concepts, physics concepts, etc. Not only will students learn but they will perform hands-on tasks such as running simulations and writing algorithms. This fully online course will not only introduce students to the quantum computing world, but teach them concepts that are critical, with **no prerequisite**. There is a small fee associated with the course.

[CLICK HERE FOR THE COURSE CURRICULUM](#)

\$200

ONLINE ONLY: Saturdays (6/24-8/12), 3:30 PM – 4:30 PM EST



[CLICK HERE FOR THE QUANTUM COMPUTING COURSE ENROLLMENT FORM](#)



CAMP: Quantum Computing – (In-Person)

Rising 5th to 8th Graders

This camp is run by qMe, an organization created by high school students for younger students! Along with the Quantum Computing course (that includes the same topics/curriculum), we have decided to run the course in a week-long camp format as well. This way, students will have the opportunity to work on the activities while receiving more support and supervision. In this in-person camp, students will be taking part in day-to-day coding activities, starting from the very fundamentals of quantum computing. With the new field emerging, our future generations **MUST** learn more about this exciting topic! Whether a student is interested in meteorology, chemistry, computer science, or more, quantum computing has an application for whatever it may be. A variety of skills will be learned, and more importantly, **NO** prior coding experience is needed! Please join us for a week of fun qubits, and a special research project workshop to boost college applications and serve as a takeaway!

[CLICK HERE FOR THE CAMP CURRICULUM](#)

\$295

IN-PERSON at South-Riding center

June 19th to June 23rd from 9 AM to 2 PM

Limited
SEATS



[CLICK HERE FOR THE QUANTUM COMPUTING CAMP ENROLLMENT FORM](#)



CAMP: Intro to Quantum Physics

Rising 6th to 8th Graders

This class will cover quantum science concepts at a basic level. Any level of skill is welcome and beginners are encouraged! We will be learning about topics like superposition and entanglement, as well as the quantum physics applications such as quantum computing, quantum material science, and even quantum policy. The curriculum is lecture-based, but there are ample hands-on and engaging experiments and activities every day. You will also get to take home some of the equipment. In this 4-day mini course, the aim is to provide a general overview of quantum science for students to dip their toes into. Hope you'll come to learn something new and interesting this season!

[CLICK HERE FOR THE CAMP CURRICULUM](#)

\$295

IN-PERSON at South-Riding center

August 7th to August 11th from 9 AM to 2 PM

Limited
SEATS



[CLICK HERE FOR THE INTRO TO QUANTUM PHYSICS CAMP ENROLLMENT FORM](#)



Rocket Design and Construction Camp

Rising 6th to 8th Graders

During this **one-week** camp, students will use hands-on rocketry kits and learn about all the aspects of rocketry from our team of experienced rocketry instructors. Students will first learn about the basics of programming, computer-aided design, chemistry, and physics as well as their implementations in rocket science and design. Students will then have the opportunity to build and launch model rockets with the concepts they have learned. We, Project Caelus, are the first high school team to attempt to build and launch a liquid-fueled rocket, and the first with several successful system-wide water cold flows. This camp will serve as an introduction to the world of rocketry, and will hopefully spark a lifelong passion. The fields of rocketry and aerospace are currently taking off in the world, and this camp will help introduce kids to a growing field of science in the world.

[CLICK HERE FOR THE CAMP ITINERARY](#)

\$295

IN-PERSON at South-Riding center

July 10th to July 14th from 9 AM to 2 PM



[CLICK HERE FOR THE INTRO TO ROCKET for DESIGN CAMP ENROLLMENT FORM](#)



Herndon Center:

13505 Dulles Technology
Dr., Suite 1,
Herndon, VA 20171

South Riding Center:

43250 Stonewall Pond St.,
South Riding, VA 20152

Ashburn Center:

20604 Gordon Park Square
#150 Ashburn, VA 20147

DROP BOXES AT THE SOUTH RIDING CENTER

All registration forms must be completed online before a payment is made. There is a drop box on the porch of the South Riding Center.
You may drop off your registration form and/or check into a box any time. Please place your check in an envelope. Please include your child's first and last name and the class for which your child is registered.

You may also mail your check to the South Riding Center via USPS (43250 Stonewall Pond St., South Riding, VA 20152).

**REGISTRATIONS ARE NOT YET COMPLETED UNTIL
THE FULL PAYMENT HAS BEEN ACCEPTED AND PROCESSED.**

Suggested Course / Camps Form

If there are any courses or camps of a particular subject that your student may be interested in taking, but cannot be found on our current schedule, please let us know by filling out details in this form.

** Although your requested course/camp may or may not be held this year, it will be taken into potential consideration for the near future. If the requested course is planned to be offered, we will let you know!

Please fill the following form: <https://forms.gle/9SMM5NEEBMACMAzd9>

