

2024 SUMMER PROGRAMS

TENTATIVE SCHEDULE

FOR HIGH SCHOOL, MIDDLE SCHOOL & ELEMENTARY SCHOOL STUDENTS

Office Hours until June 16th

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 1:30 pm to 3:00 pm
Eastern Standard Time

Ashburn Center:

Monday, Wednesday, & Thursday
from 6:30 pm to 8:30 pm
Eastern Standard Time



CONTACT US:

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Dr. Rao: (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

PAYMENT OPTIONS:

All registration forms must be completed online before a payment is made.

ONLINE PAYMENT OPTION: For all short-term summer courses, all enrollees will receive an email invoice to make a payment online. (High school level courses and Level 8 payments will be subject to a 4% online processing fee.)

DROP BOXES AT THE SOUTH RIDING CENTER: There is a drop box on the porch of the South Riding Center. *You may drop off your check into a box any time. Please place your check in an envelope. On the MEMO line on the check, please include your child's first and last name and the class for which your child is registered.*

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

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

COURSES/CAMPS ACCORDING TO AGE GROUP

COURSES FOR ELEMENTARY SCHOOL STUDENTS (RISING GRADES 2-5)

<p><u>RISING 2ND GRADE:</u> Summer Bridge Math Program: Page 10</p>	<p><u>RISING 3RD GRADE:</u> Nonfiction Reading and Writing: Page 7 Summer Bridge Math Program: Page 10 Continuing Math Program: Page 11</p>
<p><u>RISING 4TH GRADE:</u> Summer Bridge English Program: Page 6 Nonfiction Reading and Writing: Page 7 Summer Bridge Math Program: Page 10 Continuing Math Program: Page 11</p>	<p><u>RISING 5TH GRADE:</u> Summer Bridge English Program: Page 6 Nonfiction Reading and Writing: Page 7 Summer Bridge Math Program: Page 10 Continuing Math Program: Page 11 Quantum Computing STEM Camp: Page 21 (<i>Rising Grades 5-8</i>)</p>

COURSES FOR MIDDLE SCHOOL STUDENTS (RISING GRADES 6-9)

<p><u>RISING 6TH GRADE:</u> Summer Bridge English Program: Page 6 Nonfiction Reading and Writing: Page 7 Summer Bridge Math Program: Page 11 Continuing Math Program: Page 11 Intro to JAVA STEM Camp: Page 21 (<i>Rising Grades 6-12</i>) Robotics & Arduinos STEM Camp: Page 22 (<i>Rising Grades 6-9</i>) Intro to Python Programming STEM Camp: Page 21 (<i>Rising Grades 6-10</i>) Quantum Computing STEM Camp: Page 21 (<i>Rising Grades 5-8</i>) Intro to Quantum Physics STEM Camp: Page 23 (<i>Rising Grades 6-8</i>) Creative Writing Bootcamp: Page 25 (<i>Rising Grades 6-10</i>)</p>	<p><u>RISING 7TH GRADE:</u> Summer Bridge English Program: Page 6 Nonfiction Reading and Writing: Page 7 Continuing Math Program: Page 10 Algebra 1 (Summer Bridge Math Program): Page 11 Intro to JAVA STEM Camp: Page 21 (<i>Rising Grades 6-12</i>) Robotics & Arduinos STEM Camp: Page 22 (<i>Rising Grades 6-9</i>) Intro to Python Programming STEM Camp: Page 21 (<i>Rising Grades 6-10</i>) Quantum Computing STEM Camp: Page 21 (<i>Rising Grades 5-8</i>) Intro to Quantum Physics STEM Camp: Page 23 (<i>Rising Grades 6-8</i>) Rocket Design and Construction STEM Camp: Page 24 (<i>Rising Grades 7-9</i>) Creative Writing Bootcamp: Page 25 (<i>Rising Grades 6-10</i>)</p>
<p><u>RISING 8TH GRADE:</u> Level 7 Signature Program: Page 3 – 4 Algebra 1: Page 11 Geometry: Page 11 Algebra 2: Page 12 Intro to JAVA STEM Camp: Page 21 (<i>Rising Grades 6-12</i>) Robotics & Arduinos STEM Camp: Page 22 (<i>Rising Grades 6-9</i>) Intro to Python Programming STEM Camp: Page 23 (<i>Rising Grades 6-10</i>) Quantum Computing STEM Camp: Page 21 (<i>Rising Grades 5-8</i>) Intro to Quantum Physics STEM Camp: Page 23 (<i>Rising Grades 6-8</i>) Rocket Design and Construction STEM Camp: Page 24 (<i>Rising Grades 7-9</i>) Product Design STEM Camp: Page 24 (<i>Rising Grades 8-12</i>) Creative Writing Bootcamp: Page 23 (<i>Rising Grades 6-10</i>)</p>	<p><u>RISING 9TH GRADE:</u> Continuing Level 8 Signature Program: Page 5 Algebra 1: Page 11 Geometry: Page 11 Algebra 2: Page 12 Pre-Calculus: Page 13 Intro to JAVA STEM Camp: Page 21 (<i>Rising Grades 6-12</i>) Robotics & Arduinos STEM Camp: Page 22 (<i>Rising Grades 6-9</i>) Intro to Python Programming STEM Camp: Page 23 (<i>Rising Grades 6-10</i>) Product Design STEM Camp: Page 24 (<i>Rising Grades 8-12</i>) Rocket Design and Construction STEM Camp: Page 24 (<i>Rising Grades 7-9</i>) Creative Writing Bootcamp: Page 25 (<i>Rising Grades 6-10</i>)</p>

COURSES FOR HIGH SCHOOL STUDENTS (RISING GRADES 9-12)

<p><u>HS PREPARATORY COURSES</u> SAT/PSAT/ACT Preparatory Course: Page 5 (<i>Rising Grades 11-12</i>)</p>	<p><u>HS COMPUTER COURSES</u> High School JAVA: Page 20 AP Computer Science: Page 20</p>
<p><u>HS ENGLISH COURSES</u> Writing College Application Essays: Page 8 (<i>Rising Grades 10-12</i>) Persuasive Writing Fundamentals: Page 9 (<i>Rising Grades 9-12</i>) Creative Writing Bootcamp: Page 23 (<i>Rising Grades 6-10</i>)</p>	<p><u>HS SCIENCE COURSES</u> Honors Biology: Page 17 AP Biology: Page 17 Honors Chemistry: Page 18 AP Chemistry: Page 18 AP Physics: (Mechanics and Electricity & Magnetism): Page 19</p>
<p><u>HS MATH COURSES</u> Continuing Level 8 Signature Program: Page 5 (<i>Rising 9th Grade</i>) Algebra 1: Page 12 Geometry: Page 12 Algebra 2 / AET Freshman Math: Page 13 Research Statistics / TJ Freshman Math: Page 13 Trigonometry: Page 14 Pre-Calculus / AP Pre Calculus: Pages 14-15 AP Calculus: Pages 15-16 AP Statistics: Page 16</p>	<p><u>HS STEM COURSES AND CAMPS</u> Intro to JAVA: Page 21 (<i>Rising Grades 6-12</i>) Robotics & Arduinos: Page 22 (<i>Rising Grades 6-9</i>) Intro to Python Programming: Page 23 (<i>Rising Grades 6-10</i>) Product Design STEM Camp: Page 24 (<i>Rising Grades 8-12</i>) Creative Writing Bootcamp: Page 23 (<i>Rising Grades 6-10</i>)</p>
<p><u>HS COLLEGE AND CAREER COUNSELING</u> Upperclassman Package: Pages 26-27 (<i>Rising Grades 11-12</i>) Underclassman Package: Pages 26-27 (<i>Rising Grades 9-10</i>) All-Inclusive Package: Pages 26-27 (<i>Starting Rising Grade 9 Only</i>)</p>	

Curie Learning's Signature Level 7 (Rising Level 8) Program including

Curie Signature Level 7/Level 8 program is intended to provide a strong foundation in both math and English during middle school years. Foundational knowledge required for TJ/AOS/AET entrance exams is also provided in this program. While getting into the specialized high school programs like TJ/AOS/AET is one important aspect, the ability to cope with the challenging curriculum at these schools is another important aspect that needs to be addressed during 7th and 8th grade years. This program addresses this important aspect. In 22 months of Curie Signature Level 7/Level 8 program, students will get 18 months of training in English writing; 22 months of training in grammar, vocabulary and reading; and 22 months of intense training in math covering arithmetic, Algebra-1, Geometry, Algebra-2 and trigonometry. In this program, by the end of Level 8, students are taught all the material required for excelling in SAT/ACT as well. Most Curie students do not take any coaching for SAT/ACT during their high school years because they already know the material.

Level 7 (Rising Level 8): Semester 3 & 4 Options and Fees			
AOS/AET/TJ Weekly Classes and Test Prep			
Semester 3: Jul.8th, 2024 To Dec 2024 See more options in the next page	<p style="text-align: center;"><u>General Semester</u></p> <p style="text-align: center;"><i>Weekly Instructional Classes</i></p> <p style="text-align: center;">Alternate Sunday Writing and Science Classes</p> <p style="text-align: center;">3-on-1 Writing Workshop (Writing workshops in small groups with an instructor that meet once per month)</p> <p style="text-align: center;">[Approximately 7 classes/mo.]</p> <p style="text-align: center;">\$1,850.00</p>	<p style="text-align: center;"><u>Optional add on:</u> TJ/AOS/AET <i>Extra Prep Classes (Online)</i> (About 40 classes & Practice Exams)</p> <p style="text-align: center;">+ \$300</p> <p>*Exclusively for those enrolled in the General Semester classes</p> <p style="text-align: center;"><u>Tentative Extra Class Schedule:</u> Saturday: 4:40 pm to 5:45 pm (AOS/AET) starts 07/27. Sunday 9:00 am - 10:00 am (TJ) starts 07/28.</p> <p style="text-align: center;"><i>Additional classes will be conducted with prior notice. Testing will be held some Saturday mornings.</i></p>	<p style="text-align: center;"><u>One Subject Only for Weekly Classes: Math or English</u></p> <p style="text-align: center;">(Online Option Only)</p> <p style="text-align: center;">\$825.00</p> <p>*Only the once-per-week class will be included</p>
Semester 4: <i>Instructional Classes</i> Jan 2025-Jun 2025	<p style="text-align: center;"><u>General Semester</u></p> <p style="text-align: center;">\$1,600.00 [Approximately 6 classes/mo.]</p> <p style="text-align: center;">Alternate Sunday Writing Classes</p> <p style="text-align: center;">TJ Preparatory Classes through the end of January</p>		<p style="text-align: center;"><u>One Subject Only for Weekly Classes: Math or English</u></p> <p style="text-align: center;">(Online Option Only)</p> <p style="text-align: center;">\$800.00</p> <p>*Only the once-per-week class will be included</p>

1) CONTINUING Regular Weekly Classes (IN-PERSON or ONLINE):

*** The following schedule is subject to change in September, 2024 ***

Tuesdays	IN-PERSON: Ashburn Center	6:30 pm – 8:45 pm EST
Wednesdays	IN-PERSON: South Riding Center	6:30 pm – 8:45 pm EST
Thursdays	IN-PERSON: South Riding Center	6:30 pm – 8:45 pm EST
Fridays	IN-PERSON: South Riding Center	6:30 pm – 8:45 pm EST
Fridays	ONLINE	6:30 pm – 8:45 pm EST
Saturdays	IN-PERSON: South Riding Center	10:00 am – 12:15 pm EST
Saturdays	IN-PERSON: Herndon Center	1:15 pm – 3:30 pm EST
Sundays	ONLINE	9:45 am – 12:00 pm EST
Sundays	IN-PERSON: South Riding Center	12:15 pm – 2:30 pm EST

2) CONTINUING ALTERNATE SUNDAY WRITING, SCIENCE CLASSES (ONLINE):

*Those who pay the 'General Semester Cost' will automatically be enrolled in the Alternate Sunday classes in addition to the weekday/evening classes mentioned above.

3) CONTINUING THREE-ON-ONE TUTORING (ONLINE):

*Those who pay the 'General Semester Cost' will automatically be enrolled in the 3-on-1 sessions.

*For 3-on-1 tutoring, you will receive an email with further information regarding how to sign up with a tutor.

To better prepare for writing persuasive essays and the student portrait statement (SPS), every student gets a 60 min. three-on-one appointment with a writing expert once per month.

Level 7 (Rising Level 8): Semester 3 Alternative Options and Fees

THE OPTIONS BELOW ARE NOT INTENDED FOR THOSE WHO ARE ALREADY ENROLLED IN OUR REGULAR LEVEL 7 SIGNATURE PROGRAM

THE ALTERNATE OPTIONS BELOW EXCLUDE OUR WEEKLY MATH AND ENGLISH CLASSES

With these options, students will be missing the curriculum taught in our signature Math and English which include grammar instruction, reading comprehension instruction, vocabulary instruction and higher-level mathematical concepts; these are skills that will better prepare students to excel in any higher-level high school program such as TJ/AOS/AET.

PLEASE NOTE THAT ALL OF THESE OPTIONS ARE A CONTINUATION OF OUR SIGNATURE LEVEL 7 COURSE. NEW STUDENTS ARE WELCOME TO REGISTER, BUT WITH THE UNDERSTANDING THAT THEY WILL HAVE MISSED THE MATERIALS TAUGHT DURING THE PREVIOUS SEMESTERS. HOWEVER, THESE CLASSES CAN STILL BE BENEFICIAL FOR NEW STUDENTS AS THEY WILL INTRODUCE THEM TO AOS/AET/TJ TEST PREP MATERIAL.

Exclusively AOS/AET/TJ Entrance Exam Coaching – ONLINE CLASSES		
<p>Option 2: AOS/AET/TJ PREP</p> <p><i>This option does not include our weekly math and English classes</i></p> <p>Jul.8th, 2024 – January End, 2025</p>	<p>6 months of Alternate Sunday Writing and Science Classes (24 hours instruction time)</p> <p>6 sessions of 3-on-1 Writing Workshop (Writing workshops in small groups with an instructor that meet once per month)</p> <p>AOS/AET/TJ Extra Prep Classes (About 40 classes & Practice Exams)</p> <p>\$1,850</p> <p>Additional \$200 if adding 1 subject (weekly class from July to Dec.)</p>	<p>This program is targeted to coach students in all aspects of TJ/AOS/AET entrance exams.</p> <p>Tentative Class Schedule: Saturday: 4:40 pm to 5:45 pm (AOS/AET) starts 07/27. Sunday 9:00 am - 10:00 am (TJ) starts 07/28. Alternate Sundays 5:30 pm - 7:45 pm starts 07/14.</p> <p>and once per month ZOOM meeting with a writing expert.</p> <p>Additional ACL writing classes will be conducted with prior notice. Testing will be held some Saturday mornings.</p>
Exclusively TJ Test Prep – ONLINE CLASSES		
<p>Option 3: TJ PREP Only</p> <p><i>This option does not include our weekly math and English classes</i></p> <p>Jul.8th, 2024 - January End, 2025</p>	<p>6 months of Alternate Sunday Writing and Science Classes (24 hours instruction time)</p> <p>6 sessions of 3-on-1 Writing Workshop (Writing workshops in small groups with an instructor that meet once per month)</p> <p>TJ Extra Prep Classes (About 15 hours of classes & 7 Practice Exams)</p> <p>\$1,600</p> <p>Additional \$300 if adding 1 subject (weekly class from July to Dec.)</p>	<p>This program is targeted to coach students in all aspects of TJ entrance exams.</p> <p>Tentative Class Schedule: Sunday 9:00 am - 10:00 am (TJ) starts 07/28. Alternate Sundays 5:30 pm - 7:45 pm starts 07/14.</p> <p>and once a month ZOOM meeting with a writing expert.</p> <p>Additional classes will be conducted with prior notice. Testing will be held some Saturday mornings.</p>
Exclusively AOS/AET Test Prep – ONLINE CLASSES		
<p>Option 4: AOS/AET PREP Only</p> <p><i>This option does not include our weekly math and English classes</i></p> <p>Jul.8th, 2024 - Test Date, 2024</p>	<p>3 months of Alternate Sunday Writing and Science Classes (12 hours instruction time)</p> <p>3 sessions of 3-on-1 (writing workshops in small groups with an instructor that meet once per month)</p> <p>AOS/AET Extra Prep Classes (About 12 hours of classes & 10 Practice Exams)</p> <p>\$1,400</p> <p>Additional \$400 if adding 1 subject (weekly class from July to Dec.)</p>	<p>This program is targeted to coach students in all aspects of AOS/AET entrance exams.</p> <p>Tentative Class Schedule: Saturday: 4:40 pm to 5:45 pm (AOS/AET) starts 07/27. Alternate Sundays 5:30 pm - 7:45 pm starts 07/14.</p> <p>and once a month ZOOM meeting with a writing expert.</p> <p>Additional ACL writing classes will be conducted with prior notice. Testing will be held some Saturday mornings.</p>

[CLICK HERE FOR THE ALTERNATE LEVEL 7 OPTIONS ENROLLMENT FORM](#)

Continuing Level 8 (Rising 9th Grade) Math

Only for students who previously completed the *entire* January-June Semester for Level 8

This 3-week course designed to extend Curie Learning's *Level 8 Signature Math Program*. This course will introduce students to Precalculus and other concepts not covered in our Levels 7 and 8 programs.

Topics include:

Precalculus topics: Polar coordinates, Parametric functions, Vectors and Matrices will be covered. All these topics are part of AP precalculus BC.

[Except polar coordinates all other precalculus AB topics will be covered in Curie Level 8 program by June 14.]

\$495

HYBRID SECTION: Simultaneously Taught **ONLINE** and In-Person at the **ASHBURN CENTER**

NOTE: Students will be registered with either online or in-person status and may not be able to freely switch between formats without previous approval from management (depending upon enrollment numbers).

Mondays, Tuesdays, Wednesdays, and Thursdays from 10:00am – 11:30am EST
[Monday, 6/17 – Tuesday, 7/2]

PREREQUISITE: *Our Level 8 Signature Math Program [January – June, 2024 Semester.]*



[CLICK HERE FOR CONTINUING LEVEL 8 MATH ENROLLMENT FORM](#)



SAT (New*) /PSAT/ACT COURSE

Includes preparation for the NEW SAT ENGLISH exam

This 8-week online course is intended to prepare students for taking both math and English parts of the SAT (New)/ PSAT /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 10th and 11th graders who plan to take the PSAT in October and the SAT and/or ACT at a later date.

[CLICK HERE FOR A LIST OF TOPICS COVERED!](#)

Math classes meet on Wednesdays for two-hour periods.

English classes meet on Sundays for two-hour periods.

***At least four full-length practice exams will be provided to the students during this course*

\$995

English Only: \$600

Math Only: \$600

Math: ONLINE ONLY

Wednesdays 5:15pm – 7:15pm (EST)

Dr. Rao Mulpuri &

English: ONLINE ONLY

*Sundays 5:15pm – 7:15pm (EST)

Dr. Swarupa Kommoju

Mr. Michael Hantman

[June 19th - August 14th]

**No classes will be held on Wednesday, July 3rd due to the Independence Day holiday.*

MATH PREREQUISITE: *Any full Algebra 1 and Geometry course given through day school or through Curie Learning.*



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



ENGLISH COURSES

Total Classroom Teaching Hours:
16

Summer Bridge English Program

For Rising Levels 4–7

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. Class recordings or visitations of other sections will not be provided should a student miss class.*

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

Rising Grade:	Rising Level 4	Rising Level 5	Rising Level 6	Rising Level 7
Online *For online courses, materials are provided through the Google Classroom and are printed at home by the students. Lower enrollment numbers may make a section HYBRID.	Fridays 6:30pm – 8:30pm <i>Eastern Standard Time</i> 6/21 - 8/16 \$475 15 student CAP ** Class will not be in session on Friday, 7/5 Instructor: TBA	Tuesdays 6:30pm – 8:30pm <i>Eastern Standard Time</i> 6/25 - 8/13 \$475 15 student CAP Instructor: A. Beringer	Wednesdays 6:30pm – 8:30pm <i>Eastern Standard Time</i> 6/26 - 8/14 \$475 15 student CAP Instructor: A. Beringer	Mondays 6:30pm – 8:30pm <i>Eastern Standard Time</i> 6/24 - 8/12 \$475 15 student CAP Instructor: A. Beringer
South Riding Center Lower enrollment numbers may make a section HYBRID.	Fridays 6:30pm – 8:30pm <i>Eastern Standard Time</i> 6/21 - 8/16 \$525 15 student CAP ** Class will not be in session on Friday, 7/5 Instructor: Kyle Smith	Tuesdays 6:30pm – 8:30pm <i>Eastern Standard Time</i> 6/25 - 8/13 \$525 15 student CAP Instructor: V. Fedorets	Wednesdays 6:30pm – 8:30pm <i>Eastern Standard Time</i> 6/26 - 8/14 \$525 15 student CAP Instructor: Kyle Smith	Mondays 6:30pm – 8:30pm <i>Eastern Standard Time</i> 6/24 - 8/12 \$525 15 student CAP Instructor: Sara Billington

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 each week outside of the class. This is a large commitment for students and parents alike.
- Rising third graders are welcome to join the Nonfiction class; this should help them prepare for the next school year (see next pg.)

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



[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. Class recordings or visitations of other sections will not be provided 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 *For online courses, materials are provided through the Google Classroom and are printed from home by the students.	Thursdays 6:30pm – 7:30pm Eastern Standard Time 6/20 - 8/8 ----- \$225 (7 teaching hours) 10 student CAP <small>**Due to the holiday, class will not be in session on Thursday, 7/4**</small> Instructor: V. Meade	Wednesdays 6:00pm – 7:30pm Eastern Standard Time 6/26 - 8/7 ----- \$350 (10.5 teaching hours) 15 student CAP Instructor: V. Meade	Tuesdays 6:00pm – 7:30pm Eastern Standard Time 6/25 - 8/6 ----- \$350 (10.5 teaching hours) 15 student CAP Instructor: K. Cureton	Wednesdays 7:30pm – 9:00pm Eastern Standard Time 6/26 - 8/7 ----- \$350 (10.5 teaching hours) 15 student CAP Instructor: J. Mena	Mondays 7:30pm – 9:00pm Eastern Standard Time 6/24 - 8/5 ----- \$350 (10.5 teaching hours) 15 student CAP Instructor: B. Mainer
	South Riding Center	Tuesdays 6:30pm – 7:30pm Eastern Standard Time 6/25 - 8/6 ----- \$275 (7 teaching hours) 10 student CAP South Riding Center Instructor: L. Merwin	Mondays 6:00pm – 7:30pm Eastern Standard Time 6/24 - 8/5 ----- \$395 (10.5 teaching hours) 15 student CAP South Riding Center Instructor: V. Fedorets	Thursdays 6:00pm – 7:30pm Eastern Standard Time 6/20 - 8/8 ----- \$395 (10.5 teaching hours) 15 student CAP South Riding Center Instructor: S. Billington	Mondays 7:30pm – 9:00pm Eastern Standard Time 6/24 - 8/5 ----- \$395 (10.5 teaching hours) 15 student CAP South Riding Center Instructor: K. Smith

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

BOOKS NEEDED FOR THE COURSE: Click the links below for the Amazon links

You may also use the title or 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 capsizes: 5 / Maximum capsizes: 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.

\$525

Online Course: Tuesdays 7:00pm – 8:00pm (EST) from **June 25th - August 13th**



[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 capsizes: 5 students/ Maximum capsizes: 12 students

[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.

\$475

Online Course: Mondays 6:15pm – 7:30pm (EST) from **June 24th - August 12th**



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



**CURIE
LEARNING**

learning with the leader ...

Summer Bridge Math Program

This **eight-week** course is recommended for **students who are new to our program** or who would like to “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 also 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.



[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 *For online courses, materials are provided through the Google Classroom and are printed from home by the students.	NO ONLINE CLASS AVAILABLE FOR THIS LEVEL	Mondays & Wednesdays 6:00pm – 7:30pm 6/24 - 8/14 ----- \$750 (24 teaching hours) 10 student CAP *MAY BE TAUGHT HYBRID* Instructor: TBA	Tuesdays & Thursdays 6:00pm – 7:30pm 6/20 - 8/15 * Class will not be in session on Thursday, 7/4 ----- \$750 (24 teaching hours) 15 student CAP Instructor: TBA	Mondays & Wednesdays 7:30pm – 9:00pm 6/24 - 8/14 ----- \$750 (24 teaching hours) 20 student CAP Instructor: TBA	Tuesdays & Thursdays 7:30pm – 9:00pm 6/20 - 8/15 * Class will not be in session on Thursday, 7/4 ----- \$750 (24 teaching hours) 25 student CAP Instructor: TBA	SEE THE INFORMATION FOR OUR ALGEBRA 1 COURSE (PAGE 11)
South Riding Center	Mondays & Wednesdays 6:15pm – 7:45pm 6/24 - 8/14 ----- \$795 (24 teaching hours) 8 student CAP Instructor: TBA	Mondays & Wednesdays 6:00pm – 7:30pm 6/24 - 8/14 ----- \$795 (24 teaching hours) 10 student CAP *MAY BE TAUGHT HYBRID* Instructor: TBA	Tuesdays & Thursdays 6:00pm – 7:30pm 6/20 - 8/15 ** Class will not be in session on Thursday, 7/4 due the national holiday** ----- \$795 (24 teaching hours) 15 student CAP Instructor: TBA	Mondays & Wednesdays 7:30pm – 9:00pm 6/24 - 8/14 ----- \$795 (24 teaching hours) 20 student CAP Instructor: TBA	Tuesdays & Thursdays 7:30pm – 9:00pm 6/20 - 8/15 ** Class will not be in session on Thursday, 7/4 due the national holiday** ----- \$795 (24 teaching hours) 25 student CAP Instructor: TBA	SEE THE INFORMATION FOR OUR ALGEBRA 1 COURSE (PAGE 11)

There will be a **\$100 discount on the total price for any student enrolled for both this course AND a *Nonfiction 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 each week outside of 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.

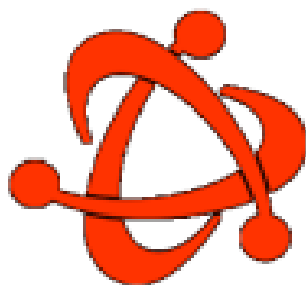
[CLICK HERE FOR AN INFORMATION VIDEO AND CURRICULUM LISTS!](#)

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 <small>*For online courses, materials are provided through the Google Classroom and are printed from home by the students.</small>	Tuesdays 6:30pm – 7:30pm 6/25 - 8/6 ----- \$295 (7 teaching hours) 10 student CAP Instructor: TBA	Wednesdays 7:30pm – 8:30pm 6/26 - 8/7 ----- \$295 (7 teaching hours) 15 student CAP Instructor: TBA	Tuesdays 7:30pm – 8:30pm 6/25 - 8/6 ----- \$295 (7 teaching hours) 20 student CAP Instructor: TBA	Wednesdays 6:30pm – 7:30pm 6/26 - 8/7 ----- \$325 (7 teaching hours) 25 student CAP Instructor: TBA	Mondays 6:30pm – 7:30pm 6/24 - 8/5 ----- \$325 (7 teaching hours) 30 student CAP Instructor: TBA
South Riding Center	Tuesdays 7:30pm – 8:30pm 6/25 - 8/6 ----- \$350 (7 teaching hours) 10 student CAP South Riding Center Instructor: TBA	Mondays 7:30pm – 8:30pm 6/24 - 8/5 ----- \$350 (7 teaching hours) 15 student CAP South Riding Center	Thursdays 7:30pm – 8:30pm 6/20 - 8/8 ** Class will not be in session on Thursday, 7/4 due the national holiday** ----- \$350 (7 teaching hours) 20 student CAP South Riding Center Instructor: TBA	Mondays 6:30pm – 7:30pm 6/24 - 8/5 ----- \$375 (7 teaching hours) 25 student CAP South Riding Center Instructor: TBA	Wednesdays 6:30pm – 7:30pm 6/26 - 8/7 ----- \$375 (7 teaching hours) 30 student CAP South Riding Center Instructor: TBA

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



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



**CURIE
LEARNING**
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HIGH SCHOOL MATH COURSES

Algebra 1

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; many colleges and universities are again requiring these scores for student application.

Topics include:

Solving One and Two Step Equations (including word problem practice), Multi-Step Equations (including word problem practice), Power Rules, Inequalities, Radical Equation Solving, Absolute Values Equation Solving, Linear Equation Graphing and Application, Systems of Linear Equations, Quadratic Equation Solving and Application

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

\$850

*HYBRID COURSE: Online or Herndon —
Tuesdays and Thursdays
from 6:30 – 8:30 pm (EST)
[Thurs, 6/20 – Thurs, 8/15]
Instructor: TBA*

\$850

*South Riding Center—
Tuesdays & Thursdays
from 6:30 – 8:30 pm (EST)
[Thurs, 6/20 – Thurs, 8/15]
Instructor: TBA*

\$850

*Ashburn Center—
Mondays & Wednesdays
from 6:30 – 8:30 pm (EST)
[Mon, 6/24 – Wed, 8/14]
Instructor: TBA*

This class will meet twice per week for two-hour sessions for a total of 16 sessions.

Classes will not be in session through the Fourth of July weekend (7/4-7/7)



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



Geometry (Ms. Nora Tran)

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; many colleges and universities are again requiring these scores for student application.

Topics include:

Identifying and using the characteristics of various polygons and finding their area, perimeter, and other measurements; Recognizing and utilizing the characteristics and graphs related to two-dimensional entities including points, lines, planes, angles, and slopes on the coordinate plane; Applying logic and reasoning in the form of relationships and characteristics of two-dimensional shapes; Solving geometric proofs; Applying geometric concepts to solve word problems and real-life situations.

\$850

HYBRID COURSE: Simultaneously Taught **ONLINE** and In-Person at the South Riding Center

*Mondays and Wednesdays from 6:30 – 8:30pm EST
[Monday, 6/24 – Wednesday, 8/14]*

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

Classes will not be in session for the Fourth of July weekend (7/4-7/7)



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



Algebra 2 / AET Freshman Math (Ms. Nora Tran)

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 (or Algebra 2/Trigonometry). Algebra 2 is a course required for a high school diploma and which most students take as 8th, 9th, 10th or 11th 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 on the SAT/ACT later on; many colleges and universities are again requiring these scores for student application.

If a student is 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 given above for class schedule.

Topics include:

Identifying functional relationships between quantities through equations and inequalities; graphing of functions and mathematical modeling; understanding, solving, and graphing logarithms; understanding and using trigonometric relationships to solve for missing measurements; solving mathematical operations on complex numbers, collecting and analyzing data, counting and probability.

\$850

HYBRID COURSE: Simultaneously Taught **ONLINE** and In-Person at the **SOUTH RIDING CENTER**

NOTE: Students will be registered with either online or in-person status and may not be able to freely switch between formats without previous approval from management (depending upon enrollment numbers).

Tuesdays and Fridays from 6:30pm – 8:30pm EST
[Friday, 6/21 – Friday, 8/16]

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

Classes will not be in session through the Fourth of July weekend (7/4-7/7)



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



TJ FRESHMAN MATH: Research Statistics

This **five-week** course is intended to prepare students for TJ High School freshman math. Pre-learn this course with us before taking the course during the freshman year. Getting perfect grades in the freshman year at TJ is very important to boost self-confidence in dealing with the challenging Math curriculum at TJ. In some school districts they offer this course as a high school Statistics course, including General and Honors Statistics. For the preparation of an AP Statistics course, please register for the AP Statistics course mentioned below.

Topics include:

Descriptive Statistics: Data Displays and Describing Distributions , Collecting Data: Observational Studies and Experiments , Probability: Experimental, Theoretical and Simulations , Randomness in Data: Normal and Sampling Distributions , Inferential Statistics – Confidence Intervals and Hypothesis Testing.

\$495

HYBRID COURSE: Simultaneously Taught **ONLINE** and In-Person at the **HERNDON CENTER**

Tuesdays and Thursdays from 6:30pm – 8:30pm and Saturdays from 1:15pm – 3:15pm EST
[Tuesday, 6/18 – Thursday, 7/18]

Instructor: Mr. Bhaskar Kalimili*

*Mr. Kalimili was previously a professional statistician for the World Bank.

He is also well-accustomed to the curriculum for this course since he has previously tutored students in this subject.

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

Classes will not be in session through the Fourth of July weekend (7/4 - 7/7)



[CLICK HERE FOR THE RESEARCH STATISTICS ENROLLMENT FORM](#)



Trigonometry

This **three-week** course covers the trigonometry part of Algebra 2/Trigonometry course offered in Loudoun County and other county high-schools across the country. This course can be taken if the student has already completed a high-school Geometry course. Can be taken concurrently with or after taking the Algebra 2 course. Also, gaining a thorough understanding of Trigonometry concepts is necessary for scoring well on the SAT/ACT later on; many colleges and universities are again requiring these scores for student application.

Topics include:
Trigonometric functions, trigonometric identities, applications of trigonometry

\$450

HYBRID COURSE: Simultaneously Taught **ONLINE** and In-Person at the **ASHBURN CENTER**

NOTE: Students will be registered with either online or in-person status and may not be able to freely switch between formats without previous approval from management (depending upon enrollment numbers).

Mondays, Wednesdays, and Fridays from 12:30pm – 2:15pm EST
[Friday, 6/17 – Wednesday, 7/3]

Instructor: Dr. Rao*

Dr. Rao has 45 years of experience teaching middle and high school students as well as college students

This class will meet thrice per week.

Classes will not be in session through the Fourth of July weekend (7/4-7/7)



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



Pre-Calculus Part 1 / AP Pre-Calculus (AB)

This **five-week** course is intended to prepare students for taking high-school Precalculus/AP Precalculus AB during the upcoming academic year. There is a significant overlap between this course and Trigonometry course. Students taking this course shouldn't register for the Trigonometry course. Students take this course after completing Algebra 2 course. Solid foundation in Precalculus is absolutely required to prepare for advanced courses like AP Calculus AB/BC.

Topics include:
Polynomial and Rational Functions, Exponential and Logarithmic Functions, Trigonometric and Polar Functions

\$750

HYBRID COURSE: Simultaneously Taught **ONLINE** and In-Person at the **ASHBURN CENTER**

Mondays, Wednesdays, and Fridays from 12:30pm – 2:15pm EST

NOTE: Students will be registered with either online or in-person status and may not be able to freely switch between formats without previous approval from management (depending upon enrollment numbers).

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

[Monday, 6/17 – Friday, 7/19]

Classes will not be in session through the Fourth of July weekend (7/4-7/7)

Instructor: Dr. Rao*/Mr. Khasim Mohammed

Dr. Rao has 45 years of experience teaching middle and high school students as well as college students

Mr. Mohammed is an experienced math teacher of 15 years



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



Pre-Calculus Part 2 / AP Pre-Calculus (BC)

This **three-week** course is intended to prepare students for taking high-school Precalculus/AP Precalculus BC during the upcoming academic year. Students take this course only after completing High School Precalculus Part-1/AP Precalculus AB course given above. Solid foundation in Precalculus is absolutely required to prepare for advanced courses like AP Calculus AB/BC. *The curriculum for this course is based on COLLEGE BOARD standards.*

Topics include:

All AB topics (a prerequisite to take BC with us), Functions Involving Parameters, Vectors, and Matrices.

\$450

HYBRID COURSE: Simultaneously Taught **ONLINE** and In-Person at the **ASHBURN CENTER**

Mondays, Wednesdays, and Friday from 12:30pm – 2:15pm EST

NOTE: Students will be registered with either online or in-person status and may not be able to freely switch between formats without previous approval from management (depending upon enrollment numbers).

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

[Wednesday, 7/24 – Monday, 8/12]

Instructor: Dr. Rao*

Dr. Rao has 45 years of experience teaching middle and high school students as well as college students

PREREQUISITE: Any full AP Pre-Calculus (AB) course, either taken in the day school or with Curie Learning.



[CLICK HERE FOR THE AP PRECALCULUS \(BC\) ENROLLMENT FORM](#)



AP Calculus- Part 1 (AB)

This **six-week** course is intended to prepare students for taking the Calculus AB course in the coming academic year. The Calculus BC topics not included in AB will be covered in a separate class offered in Fall 2024. Preparing for a AP course is a great idea not only for getting a high grade in the upcoming academic year, but also for scoring well in the AP Exam at the end of academic year. Many colleges require an AP Exam score of at least 4 to transfer the course for college credit.

Topics include:

Limits and Continuity, Contextual and Analytical Applications of Differentiation, Integration and its Applications, Differential Equations.

\$850

ONLINE COURSE

Mondays, Wednesdays, and Friday from 1:00pm – 3:00pm EST

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

[Wednesday, 6/19 – Tuesday, 7/30]

Instructor: Mr. Benjamin Natelson*

**Mr. Natelson is currently a high school math teacher and is an experienced mathematics teacher of 15 years.*

Classes will not be in session through the Fourth of July weekend (7/4-7/7)



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



AP Calculus- Part 2 (BC)

This course is intended to prepare students for taking AP Calculus (BC).

AP Calculus BC is an extension of AP Calculus (AB).

Our program will help prepare students for this high school-credit math class (which affects their high school GPA).

Topics include:

All AB topics (a prerequisite to take BC with us), Additional techniques of integration, Euler's method and logistic models with differential equations, Arc length and distance traveled along a smooth curve, Parametric equations, polar coordinates, and vector-valued functions, Infinite sequences and series.

The curriculum for this course is based on COLLEGE BOARD standards.

Schedule and Pricing: To be Announced*

****This course will begin sometime within the months of September/October, 2024****

PREREQUISITE: Any full AP Calculus (AB) course, either taken in the day school or with Curie Learning.



[CLICK HERE FOR THE AP Calculus \(BC\) ENROLLMENT FORM](#)



AP Statistics

This **six-week** course is intended to prepare students for taking the AP Statistics course in the coming academic year. Preparing for a 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 academic year.

Many colleges require an AP Exam score of at least 4 to transfer the course for college credit.

Topics include:

Exploring One-Variable and Two-variable Data, Collecting Data, Probability, Random Variables, and Probability Distributions, Sampling Distributions, Inference for Categorical Data: Proportions, Inference for Quantitative Data: Means and Chi-Square.

\$950

ONLINE COURSE

Mondays, Wednesdays, and Fridays from 4:00pm – 6:00pm EST

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

[Wednesday, 6/19 – Wednesday, 7/31]

Instructor: Mr. Benjamin Natelson*

*Mr. Natelson is currently a high school math teacher and is an experienced mathematics teacher of 15 years.

Classes will not be in session on 7/5 in celebration of Independence Day



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



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HIGH SCHOOL SCIENCE COURSES

Honors Biology

This **eight-week** instruction-based course is intended to prepare students for taking an Honors Biology course in the coming academic year. Honors Biology is often considered as a difficult course. In this instruction based course we cover all the important material taught in any high school biology course and higher level concepts taught in honors courses. A head-start with these concepts will help in student success when taking the Honors Biology course during the school year. A strong foundation in Biology boosts student's confidence to pursue AP Biology course later.

Topics include:

Chemistry of Life , Cell Structure and Function , Cellular Energetics , Photosynthesis , Heredity
**If time permits - cell cycle

\$850

HYBRID COURSE: Simultaneously Taught **ONLINE** and In-Person at the **HERNDON CENTER**
Mondays and Fridays from 6:30pm – 8:30pm EST

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

[Monday, 6/17 – Friday, 8/9]

Instructor: Dr. PB. Sahithi

*Dr. Sahithi has several years of high school and university teaching experience

Classes will not be in session on 7/5 in celebration of Independence Day



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



AP Biology

This **eight-week** course is intended to prepare students for taking the AP Biology course in the coming academic year. Preparing for a 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 academic year.

Many colleges require an AP Exam score of at least 4 to transfer the course for college credit. Subject (SAT II) exams have been discontinued by the College Board and colleges are closely looking at the AP subject scores in the admission process. Solid foundation in Biology is required for those who want to pursue biological sciences/medicine in college later.

Topics include:

Chemistry of Life, Cell Structure and Function, Cellular Energetics, Cell Communication and Cell Cycle, Heredity,
Gene Expression and Regulation, Natural Selection

\$850

HYBRID COURSE: Simultaneously Taught **ONLINE** and In-Person at the **HERNDON CENTER**
Tuesdays and Thursdays from 6:30pm – 8:30pm EST

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

[Tuesday, 6/18 – Thursday, 8/8]

Instructor: Dr. PB. Sahithi

*Dr. Sahithi has several years of high school and university teaching experience

Classes will not be in session on 7/4 in celebration of Independence Day



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



Honors Chemistry

This **five-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 as a difficult 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. A strong foundation in Chemistry boosts student's confidence to pursue AP Chemistry and AP Biology courses.

Topics include:

Measurement and matter , Atomic structure , Periodic Table and Properties of Elements ,
Chemical bonding , Chemical reactions , Stoichiometry

\$850

HYBRID COURSE: Simultaneously Taught **ONLINE** and In-Person at the **HERNDON CENTER**

Tuesdays, Thursdays, and Saturdays from 3:30pm – 6:00pm EST

This class will meet thrice per week for 2.5 hour sessions.

[Tuesday, 6/18 – Tuesday, 7/16]

Instructor: Ms. Komal Jain*

Ms. Jain is a high school and community college teacher with more than 20 years of teaching experience

Classes will not be in session on 7/4 in celebration of Independence Day



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



AP Chemistry

This **five-week** course is intended to prepare students for taking the AP Chemistry course in the coming academic year. Preparing for a 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 academic year. Many colleges require an AP Exam score of at least 4 to transfer the course for college credit. Subject (SAT II) exams have been discontinued by the College Board and colleges are closely looking at the AP subject scores in the admission process. Solid foundation in chemistry is required for those who want to pursue biological sciences/medicine in college later.

Topics include:

Atomic Structure and Properties, Molecular and Ionic Compound Structure and Properties, Chemical Reactions, Kinetics, Thermodynamics,
Equilibrium, Acids and Bases.

\$850

ONLINE COURSE

Tuesdays, Thursdays, and Saturdays from 10:30am – 1:00pm EST

This class will meet thrice per week for 2.5 hour sessions.

[Tuesday, 6/18 – Tuesday, 7/16]

Instructor: Ms. Komal Jain*

Ms. Jain is a high school and community college teacher with more than 20 years of teaching experience

Classes will not be in session on 7/4 in celebration of Independence Day



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



AP Physics 1: Mechanics

First part of AP Physics C

This **four-week** course is designed to prepare students to take AP Physics during the upcoming academic school year. Typically, this part of AP Physics is covered during the first semester during the academic school year.

Students will use calculus as well as algebra to solve problems.

\$475

Topics include:

Mechanics: Kinematics, Dynamics, Work, Energy and Power, Momentum, Torque and Statics, Rotational Kinematics and Dynamics, Rolling, Angular Momentum, Gravitation, Oscillations (Simple Harmonic Motion), Waves and Sound

ONLINE COURSE

Mondays and Fridays from 6:30pm – 8:30pm EST

This class will meet twice per week for 2 hour sessions.

[Monday, 6/17 – Monday, 7/15]

Instructor: Mr. John Winchester*

*Mr. Winchester has 15 years of experience teaching high school AP Physics.

Classes will not be in session on 7/5 in celebration of Independence Day

Students can take both AP Physics 1 & 2 for \$850 ONLY



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



AP Physics 2: Electricity and Magnetism

Second part of AP Physics C

This **four-week** course is designed to prepare students to take AP Physics during the upcoming academic school year. Typically, this part of AP Physics is covered during the second semester during the academic school year.

Students will use calculus as well as algebra to solve problems.

\$475

Topics include:

Electrostatics, Interaction of charged particles, Fields between charged plates, Electrical components, Batteries & Resistors & Conductors, Inductors and Capacitors, Circuits and circuits analysis, Ohm's law, Magnetism, charged particles in Magnetic fields, Electric/Magnetic field Interactions, Electromagnetism Induction, Power Generation

ONLINE COURSE

Mondays and Fridays from 6:30pm – 8:30pm EST

This class will meet twice per week for 2 hour sessions.

[Friday, 7/19 – Monday, 8/12]

Instructor: Mr. John Winchester*

*Mr. Winchester has 15 years of experience teaching high school AP Physics.

Students can take both AP Physics 1 & 2 for \$850 ONLY



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



COMPUTER COURSES

High School JAVA (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.

Topics include:

Hardware and Computing Basics, Binary and Base Systems, Basic Data Encoding, Primitive Data Types, Operators, Program Flow Control and Conditional Statements, Iteration, String Class, Array Data Structure, Methods, Writing Classes, Graphics and Graphical User Interfaces, Object Oriented Programming (OOP) and Inheritance taught through Game Design, Recursion (Light Introduction), Searching and Sorting Algorithms (Basic Concepts), Reading and Writing Files (If time allows)

\$625

ONLINE ONLY

Mondays and Wednesdays from 12:00pm – 2:00pm

This class will meet twice per week for 2 hour sessions.

[Monday, 6/17 – Wednesday, 7/31]

Instructor: Mr. Aaron Guidry*

*Mr. Guidry has more than 10 years experience teaching computer science to high school students.



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



AP Computer Science

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.

Topics include:

Primitive Types, Using Objects, Boolean Expressions and if Statements, Iteration, Writing Classes, Array, ArrayList, 2D Array, Inheritance, Recursion

*We also focus on AP Exam taking strategies and a full-length practice exam will be conducted at the end of the course.

\$695

ONLINE ONLY

Tuesdays and Thursdays from 1:15pm – 3:15pm

This class will meet twice per week for 2 hour sessions.

[Tuesday, 6/18 – Tuesday, 8/6]

Instructor: Mr. Aaron Guidry*

*Mr. Guidry has more than 10 years experience teaching computer science to high school students.

Classes will not be in session on 7/4 in celebration of Independence Day



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



STEM COURSES & CAMPS

Intro to JAVA Camp (Aashray Manchanda)

Rising 6th Grade and Up

Introduction to Java/ACSL is an online, fast-paced, **week-long** camp 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. The class is taught by Aashray Manchanda, a Computer Engineering student at UC Berkeley, and has been taught many times over the past four summers, consistently receiving great reviews.

[CLICK HERE FOR THE COURSE CURRICULUM](#)

\$395

ONLINE ONLY

*Monday – Friday from 9am – 11am**

The instructor will be available until 12pm daily in order to support students per student request

[Week of 7/8 – 7/12]



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



Quantum Computing Camp (qMe)

Rising 5th to 8th Graders

This in-person 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

Monday – Friday from 9am – 2pm

July 8th to July 12th

Limited
SEATS



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



Robotics & Arduinos Camp

Rising 2nd to 8th Graders

First for Youth Team

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

Rising 2nd to Rising 5th Graders

During this in-person, **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

Monday – Friday from 9am – 2pm

July 15th to July 26th

Rising 6th to Rising 9th Graders

During this in-person, **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

Monday – Friday from 9am – 2pm

Two Choices:

June 24th to June 28th

July 22nd to July 26th



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



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Introduction to Python Programming Camp

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

Introduction to Python Programming is an online, fast-paced, **week-long** camp 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!**](#)

\$225

ONLINE ONLY

*Monday – Friday from 9am – 11am**

The instructor will be available until 12pm daily in order to support students per student request

Two Choices:

Camp 1: June 24th to June 28th

OR Camp 2: July 15th to July 19th



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



Intro to Quantum Physics Camp (Ms. Srimaye Peddinti)

Rising 7th to 9th Graders

This camp will introduce 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

*Monday – Friday from 9am – 11am**

August 5th to August 9th

Limited
SEATS



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



Rocket Design and Construction Camp: Project Caelus Rising 6th to 8th Graders

During this in-person, **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

Schedule: To be Announced



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



Product Design Camp Rising 8th to 12th Graders

The Product Design Camp is an online, one-week, **project-based** camp designed for students who will be rising 8th graders through those who have just completed the 12th grade. Throughout the camp, students will work on a comprehensive product design project that incorporates the principles learned each day. This project will challenge them to apply industrial design thinking, utilize 3D modeling and sketching skills, consider manufacturability, assembly, sustainability, and cost, and develop a compelling marketing strategy. Students will learn a breadth of entrepreneurial skills in making and presenting well-designed products.

\$295

ONLINE ONLY

*Monday – Friday from 9am – 11am**

The instructor will be available until 12pm daily in order to support students per student request

July 22nd to July 26th



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



Creative Writing Boot Camp

Rising 6th to 10th Graders

The Creative Writing Boot Camp is an in-person, one-week camp course designed for students in rising grades 6-10. Students will explore the basics of creative writing and will write personal narratives, short stories, poetry, and even the outline and first chapter of a novel. Students will experience lessons, writing activities, and writing projects with one-on-one feedback from a teacher.

Along with being an enjoyable form of communication and expression, creative writing is extremely valuable for academics and career, whether that's for writing college application and scholarship essays, creating marketing materials, or a variety of other applications.

This camp is developed and taught by Mrs. Erin Price, the English Program Director and a published writer, assisted by Ms. Ziz Kilmer, a creative writer and English student.

IMPORTANT: While lessons will be incorporated, a significant portion of the camp will be dedicated to peer editing. Students must be comfortable sharing their writing with the teachers and their peers and receiving feedback. Students must come prepared each day with their assigned writing projects.

***Materials:** Please bring a laptop, a notebook, a folder, and at least 5 pencils to class each day.*

\$395

IN-PERSON at South Riding center

Instructor: Mrs. Erin Price (our English Program Director)

July 8th to July 12th from 9 AM to 2 PM



[CLICK HERE FOR THE CREATIVE WRITING BOOT CAMP ENROLLMENT FORM](#)



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College and Career Counseling **for High School Students**



(for 9th - 12th grade students)

An online individualized counseling program available to all high school students across the United States!

[Click Here for Information Video](#)

Upperclassman Counseling Packages (for 12th graders)

The counselor will assist students with their college application materials, helping them stand out in a crowded field and successfully meet application deadlines.

Package Includes: 2 counseling sessions per month

Payment Options Include:

- Twelve-month package (24 sessions): \$2500
- Eight-month package (16 sessions): \$1800
- Four-month package (8 sessions): \$1000

Underclassman Counseling Packages (for 9th, 10th and 11th graders)

Counselors will help students create an academic plan to prepare for their college and career goals. This may include finding work and service opportunities or choosing the right high school classes that will prepare for their desired college programs.

Package includes:

1 counseling session per month

- Twelve-month package (12 sessions): \$1500
- Eight-month package (8 sessions): \$1800

All-Inclusive Package (for 9th graders only):

College Prep All-Inclusive Package for Four Years (40 months): \$12,000

Package includes:

- 1 counseling session a month for 40 months
- SAT/ACT Preparation class
- High School Writing Fundamentals and Writing for College and Career Preparation classes
- Up to 3 other semester-long high school level classes of your choice



For any questions about this program, please contact
collegecounseling.curiellc@gmail.com

****Do not contact the regular administrative line, as they may not be able to best answer your questions. Please allow us 3 business days to respond.***

[FLIP TO THE NEXT PAGE FOR MORE INFORMATION](#)

College and Career Counseling

SEE PREVIOUS PAGE FOR MORE INFORMATION

All sessions will be held through Zoom on evenings or weekends. You may join the program at any time. However, your first appointment will be held the following month. (For example, if you join the program in mid-September, your first appointment will be in October.) You must register and pay by the 15th of the month to be guaranteed an appointment for the following month.

Curie Learning is equipped to offer most of the classes and activities college counselors recommend, such as the Writing for College and Career Preparation class, SAT/ACT coaching, AP high school courses in math and science, and volunteer opportunities through Curie Social Services!



Counselor Bios:

Mr. Kevin Steele spent 30 years in public education before he retired. He was a history and psychology teacher for 10 years before he spent 20 years as a high school counselor in Henrico, Virginia. During his tenure as a school counselor, Mr. Steele was able to assist hundreds of his students get admitted to the college/university at or near the top of their wish list. Whether it was finding an in-state college or an elite university across the country, Mr. Steele was determined to support his students all the way through the college application process.

His coaching mentality of being a part of a team was formed through 28 years of coaching high school and middle school baseball. Mr. Steele is a qualified and enthusiastic counselor who is here to help your child through the daunting application process.

Ms. Shannon Yun received her Master's Degree in Education from George Mason University with a concentration in School Counseling in 2019. She is currently a graduate student at Johns Hopkins University in Clinical Mental Health. Before joining Curie Learning, she worked as a school counselor for the District of Columbia public schools. Prior to working in D.C., she spent three years working with Manassas Park City Schools in Virginia. She also completed one academic year as a school counseling intern for Fairfax County Public Schools. Ms. Yun is passionate about working with children, building their esteem, and supporting the accomplishment of their individual goals. She has provided counseling services for students of all ages including elementary, middle school, and high school students.

As a counselor, she has developed and facilitated college and career lessons and guidance for hundreds of middle and high school students. She has also coached track and field for middle and high school students and enjoys basketball, travel, and spending time with family.



[CLICK HERE FOR THE COLLEGE AND CAREER COUNSELING 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 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.**

