Look inside for information about enrichment and original credit classes and camps offered by the Howard County Public School System Summer Institute, Innovative Pathways Summer School, Career Academies Summer Program, G/T Summer Institutes and Middle School World Language program. View our website for the electronic version of the catalog with the most up-to-date course offerings at www.hcpss.org/summer/.
Summer Programs

Summer Institute
Entering Grades K through 9 - 4 week program, full day
Howard County’s Summer Institute is designed to provide acceleration and enrichment. In the morning, students take academic courses that provide opportunities for enhancement. The afternoon session offers enrichment opportunities with an emphasis on fun, creativity, expression and exploration.

Innovative Pathways (IP) Summer School
Entering Grades 9 through 12 and current high school students - 6 week program, half or full day
The HCPSS Innovative Pathways High School Summer Program is designed to provide diploma-bound students entering Grades 9 through 12 with opportunities to support academic achievement and acceleration. The program offers high school credit-bearing courses in a variety of content areas and levels.

Career Academies
Entering Grades 7 through 12 - 1 week program, full day
Students will participate in activities that will help them relate their own interests to different career areas while exploring the Career Academies offered in the high schools.

Gifted and Talented (G/T) Summer Institutes
Entering Grades 1 through 8 - Two 2-week programs, half day
The G/T Summer Institutes provide interested students with advanced-level instruction and enrichment experiences not regularly available during the academic school year. Advanced-level classes are offered in mathematics, science, social studies, language arts, technology, and fine arts. The curriculum is focused on talent development and provides academically and artistically rigorous activities.

Middle School World Language
Entering Grade 8 - 4 week program, half or full day
This course is for students entering Grade 8, who were not enrolled in World Language in Grade 7.

Financial Assistance is available for all programs.
Students who currently receive Free and Reduced-price Meal services (FARMs) through HCPSS Food and Nutrition Services qualify for a 50 percent tuition reduction.
Parents/guardians who would still be unable to afford tuition after the automatic FARMs status-based discounts, or who do not qualify for FARMs but are experiencing financial hardship may apply for tuition reduction.
Please see the Information pages of the programs for more details.

Contact Information

<table>
<thead>
<tr>
<th>Program</th>
<th>Contact Information</th>
<th>Phone Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Summer Institute</td>
<td>Contact: Alice Giles at <a href="mailto:summer_school@hcpss.org">summer_school@hcpss.org</a></td>
<td>410-313-6627</td>
</tr>
<tr>
<td>Innovative Pathways (IP) Summer School</td>
<td>Contact: Alice Giles at <a href="mailto:InnovativePathways@hcpss.org">InnovativePathways@hcpss.org</a></td>
<td>410-313-6627</td>
</tr>
<tr>
<td>Career Academies Summer Program</td>
<td>Contact: Stephanie Discepolo at <a href="mailto:stephanie_discepolo@hcpss.org">stephanie_discepolo@hcpss.org</a></td>
<td>410-313-7493</td>
</tr>
<tr>
<td>Gifted and Talented (G/T) Summer Institutes</td>
<td>Contact: LaDonna Norjen at <a href="mailto:ladonna_norjen@hcpss.org">ladonna_norjen@hcpss.org</a></td>
<td>410-313-6671</td>
</tr>
<tr>
<td>Middle School World Language</td>
<td>Contact: Alice Giles at <a href="mailto:summer_school@hcpss.org">summer_school@hcpss.org</a></td>
<td>410-313-6627</td>
</tr>
</tbody>
</table>
# At a Glance Information for Summer Classes and Camps

Financial Assistance is available for all programs. Please see the Information page of the programs for more details.

<table>
<thead>
<tr>
<th>Grades</th>
<th>Summer Institute</th>
<th>Innovative Pathways</th>
<th>Career Academies</th>
<th>Gifted and Talented (G/T)</th>
<th>Middle School World Language</th>
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<tbody>
<tr>
<td>Entering K-9</td>
<td>Entering 9-12 and current high school students</td>
<td>Entering 7-12</td>
<td>Entering 1-8</td>
<td>Session I</td>
<td>Entering Grade 8 ONLY</td>
</tr>
<tr>
<td>July 1-July 26 8:30 a.m.-3 p.m.</td>
<td>See pages 11-12</td>
<td>July 1-July 12 8:30 a.m.-12:30 p.m., with before and after care option</td>
<td>June 24-28 9 a.m.-3 p.m.,</td>
<td>Session II</td>
<td></td>
</tr>
<tr>
<td>No class held July 4</td>
<td></td>
<td></td>
<td></td>
<td>July 1-26 8:30 a.m.-12:15 p.m.</td>
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<table>
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<tr>
<th>Location</th>
<th>Atholton High School Math, Science, PE, Health, and Blended courses- Hammond High School English, ESOL, art, social studies, world languages, Gear Up for Ninth Grade, and career courses</th>
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</thead>
<tbody>
<tr>
<td>Clarksville Elementary School (K-4)</td>
<td>Wilde Lake Middle School</td>
</tr>
<tr>
<td>River Hill High School (5-9)</td>
<td>River Hill High School</td>
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<table>
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<tr>
<th>Cost</th>
<th>$650</th>
<th>$550 See page 9 for program costs</th>
<th>$200</th>
<th>Session I $288</th>
<th>Session II $320</th>
<th>$300</th>
</tr>
</thead>
</table>

| Transportation Provided | Yes, community bus stops | No | No | No |

<table>
<thead>
<tr>
<th>Contact</th>
<th>Alice Giles 410-313-6627 <a href="mailto:summer_school@hcpss.org">summer_school@hcpss.org</a></th>
<th>Alice Giles 410-313-6627 <a href="mailto:InnovativePathways@hcpss.org">InnovativePathways@hcpss.org</a></th>
<th>Stephanie Discenpo 410-313-7493 <a href="mailto:stephanie_discenpo@hcpss.org">stephanie_discenpo@hcpss.org</a></th>
<th>LaDonna Norjen 410-313-6671 <a href="mailto:ladonna_norjen@hcpss.org">ladonna_norjen@hcpss.org</a></th>
<th>Alice Giles 410-313-6627 <a href="mailto:summer_school@hcpss.org">summer_school@hcpss.org</a></th>
</tr>
</thead>
</table>

| More Info | See pages 2-8 | See pages 9-12 | See page 13 | See pages 14-21 | See page 8 |

| Registration | Online; On-site | Online; On-site | Online | Online By mail only | Online; On-site |

| Withdrawals/Refunds | Withdrawal requests before the end of the first week, July 5, will be issued a full refund. | June 26 - Full refund | June 27 - 28 - Refund of all except greater of $50 or 20% administrative fee | Complete and submit Refund Form online before June 10, 2019. | Withdrawal requests before the end of the first week, July 5, will be issued a full refund. |

A student Withdrawal/Refund Form must be completed in order to receive a refund. The form may be obtained from the summer school program or online.
General Information for Summer Institute Classes

Summer Institute
The Howard County Public School System's Summer Institute program provides educational opportunities for academic acceleration while elective classes offer creative and innovative learning experiences for students entering Kindergarten through Grade 9.

In the morning, students are provided educational opportunities for enhancement in core instructional areas of reading and mathematics. The afternoon offers many exciting enrichment opportunities for all students. The emphasis is on creativity, expression and exploration in STEM (science, technology, engineering, and math), drama, the arts, African American Studies, Hip Hop Dance, healthy lifestyles, world languages, and other project and inquiry-based courses.

Location: Clarksville
Grades K-4 Elementary School
12041 Clarksville Pike
Clarksville, MD 21029

Location: River Hill
Grades 5-9 High School
12101 Clarksville Pike
Clarksville, MD 21029

Dates: July 1 - 26
Times: 8:30 a.m.-3 p.m.
Meals: Lunch will be provided

Transportation: Community bus stops throughout the county. Bus schedule to be determined in early June.

Tuition: $650

Tuition Reduction
Parents/guardians may apply for tuition reduction if they qualify for Free and Reduced-price Meals (FARMs) through Food and Nutrition Service. Parents who are experiencing a documented financial hardship may also apply. Additional information will be sent to families after completing registration.

Registration Information:

Online Registration:
Registration for Summer Institute will be offered online at www.hcpss.org/summer/.
February 6: (6 p.m.) - Feb 15 (6 p.m.)
Registration may end before
February 15 if the program reaches capacity early. If space is available, additional registrations will be open from March 1 - 15 and April 1 - 15.

On-site Registration and Payment:
Homewood Center
10914 Clarksville Pike
Ellicott City, MD 21042

February 6, March 1, 6 p.m. - 8 p.m.
Wednesday, March 6, 4:30 p.m. - 7 p.m.

Please do not come directly to the Summer School Office without first contacting Alice Giles (410) 313-6627 to schedule an appointment.

Summer School Office
The Summer School Office is now located in the ARL, which is an active school site and we wish to ensure school safety as at other schools.

Payment
Payments will be accepted in the following manner:

Online:
Credit card payments will be accepted online at https://osp.osmsinc.com/HowardMD/
There will be a 4% processing fee for all online payments.

Mail:
After completing your online registration, send your Registration Payment Form to HCPSS:
Attn: Summer School Office
10920 Clarksville Pike
Ellicott City, MD 21042

In Person:
Bring your Registration Payment Form (found on www.hcpss.org/summer/) to a scheduled on-site payment session with your cash, check, money order, or credit payment.

Final enrollment in courses is pending full tuition payment.

Withdrawals/Refunds
Withdrawals and refund requests will only be accepted through the end of the first week of the program, July 5, 2019. If you withdraw before the end of the first week, July 5, you will be issued a full refund.

Contact: Alice Giles
Phone: 410-313-6627
Email: summer_school@hcpss.org

If you have questions about the Summer Institute Program, please contact Alice Giles at 410-313-6627.

No classes held on July 4 for all programs.
Summer Institute Grades K-4 Academic Courses and ESOL

Let’s Get Ready for First Grade
Entering Grade 1
This course is for students who have successfully completed Kindergarten. Students will be placed in one reading and one math course based on report card data and pre-testing. The curriculum is aligned with the Maryland College and Career Ready Standards. Courses are intended for students who are solidly on grade level, or marked above grade level, on their report cards.

Let’s Get Ready for Second Grade
Entering Grade 2
This course is for students who have successfully completed first grade. Students will be placed in one reading and one math course based on report card data and pre-testing. The curriculum is aligned with the Maryland College and Career Ready Standards. Courses are intended for students who are solidly on grade level, or marked above grade level, on their report cards.

Let’s Get Ready for Third Grade
Entering Grade 3
This course is for students who have successfully completed second grade. Students will be placed in one reading and one math course based on report card data and pre-testing. The curriculum is aligned with the Maryland College and Career Ready Standards. Courses are intended for students who are solidly on grade level, or marked above grade level, on their report cards.

Let’s Get Ready for Fourth Grade
Entering Grade 4
This course is for students who have successfully completed third grade. Students will be placed in one reading and one math course based on report card data and pre-testing. The curriculum is aligned with the Maryland College and Career Ready Standards. Courses are intended for students who are solidly on grade level, or marked above grade level, on their report cards.

Elementary School ESOL Program
Grades 1-4
Students must currently be eligible to receive ESOL services. Students should register for the grade they are entering.

English for Speakers of Other Languages (ESOL)
Entering Grades 1-4 0 Credit
This course is only for students entering Grades 1-4 with a 2018 ACCESS or W-APT score of 1.0-3.0. Students will continue to develop their proficiency in English. Activities will focus on developing the four skills of listening, reading, writing, and speaking English. There is a scholarship option available for all ESOL students.

If you have questions about the Summer Institute Program, please contact Alice Giles at 410-313-6627.
Summer Institute
Grades K-4
Only full-day enrollment available

Dates: July 1-July 26
Location: Clarksville Elementary School
Times: 8:30 a.m.–3 p.m.
Schedule:
  Morning: Academic Courses
  Mid Day: Lunch and Recess
  Afternoon: Enrichment Courses

Enrichment Courses
Students will take three enrichment courses, one in the arts, one in STEM, and one in healthy living. However, there are some courses that require extended time (double period). Kindergarteners are automatically registered for Wheels on the Bus, Lego Zoo, and Kiddie Zumba.

Kindergarten
Enrichment Courses
Wheels on the Bus
Go Round and Round
Entering Kindergarten
The youngest students are offered the opportunity to do more exploring, investigating, and learning. Students will engage in arts, crafts, games, and music while continuing to improve on skills vital to success in kindergarten and first grade.

Lego Zoo
Entering Kindergarten
Lego Zoo allows students to improve developing language skills, mathematical thinking, and early engineering skills as they express their creativity through Legos. Students will become familiar with Lego pieces and their names while reinforcing basic math skills including counting and dimensions. Students will be introduced to basic building strategies with Legos and create a variety of animals and structures. They will even perform some engineering tasks to test the sturdiness of their structures. Construction time will include following directions, building and testing, and “free build.”

Kiddie Zumba
Entering Kindergarten
This enrichment class is designed to teach kindergarten students basic Zumba moves. The course is designed to blend dance fitness routines with fun, games, and high energy music.

Grades 1-4
Enrichment Courses
Arts (select one)
Creative Writing
Entering Grades 1-4
Students will explore different styles of writing, including poetry.

It’s Showtime
Double Period
Entering Grades 3-4
This course is designed to introduce students to the art of theatre. Students will learn how to communicate effectively. Skills such as voice projection, expression, and body language will be covered. The students will perform a small production at the end of the summer school session. (This is a two-period class for students in grades 3-4. Students should choose both a Healthy Living course and STEM course, however, students will not be scheduled for both. Students third enrichment class will be determined by the program’s scheduling needs.)

Visual Art
Entering Grades 1-4
This enrichment class is designed to expose students to various styles of art. Students will create drawings, collages, and other media that communicate what they understand about a theme or idea.

Vocal Music
Entering Grades 1-4
This enrichment class is designed to enhance students’ musical abilities. Students will be exposed to music and movement.

World Languages
Entering Grades 1-4
This enrichment class is designed to give children a strong auditory foundation so students will feel comfortable hearing and speaking Spanish. Children will be engaged in songs, games, and other lively activities followed by discussion and reinforcement of skills.

STEM (select one)
Technology
Entering Grades 1-2
This enrichment class provides students with exposure to technology other than social media and video games. Students become college and career ready as they are introduced to various applications. Students will learn how to use various applications such as Microsoft PowerPoint, Word, Excel, GAFE, and much more.

Get into Code Mode:
An Introduction to Computer Science
Entering Grades 3-4
This computer science programming course has been developed to meet the interests of students in Grades 3 through 4. Students will be introduced to fundamental programming concepts while learning how to create animations, computer games, and interactive projects using various applications like Scratch, Tynker, and code.org. No previous programming skills are required, and students do not need to purchase any software or textbooks to get into “code mode.”

K-4 students should be registered for the grade they are entering.

For more information, see program description on page 2.
Summer Institute Grades K-4 Enrichment Courses continued

Full-day enrollment only

Dates: July 1 - 26
Location: Clarksville Elementary School
Times: 8:30 a.m.–3 p.m.

Morning: Academic Courses
Mid Day: Lunch and Recess
Afternoon: Enrichment Courses

Students will take three enrichment courses, one in the arts, one in STEM, and one in healthy living. However, there are some courses that require extended time (double period). Enrollment is based on availability of courses.

Science Fun
Entering Grades 1-4
This enrichment class is designed to explore some simple science with everyday materials. Students will participate in hands-on activities as they observe, inquire, question, formulate, and evaluate discoveries.

Chess
Entering Grades 3-4
It’s true! Not only is chess a fun pastime, it can also make your mind sharper. Our chess class is designed to help students focus, maintain concentration and improve memory. It is also guaranteed to give students problem solving skills a workout.

Water, Water, Everywhere
Entering Grades 1-2
In this physical science class, students become scientists to investigate the principles of force and change. Young scientists will examine water and the characteristics of items that sink and float.

Magnificent Math Madness
Entering Grades 1-2
This enrichment is intended to build both fluency in, and passion for, Math. Students will be engaged in one-on-one, small groups, and whole class math games. Students will learn mathematics through hands-on activities.

Healthy Living (select one)

Dance
Entering Grades 1-4
Students will be introduced to self-expression in the art form of dance. Emphasis will be placed on problem solving and working cooperatively with others in the dance process. Lessons may have a thematic focus based on content from other subject areas and/or related to children’s individual interests or developmental levels.

Golf
Double Period
Entering Grades 3-4
If students take this course, they can not take any other enrichment course. Designed for students entering Grades 3-9, students will learn golf and life skills from professional golfers at Fairway Hills Golf Course through the First Tee program twice weekly. The First Tee is a World Golf Foundation initiative dedicated to providing access to golf experiences and its positive values to youth. Students will be introduced to nine core values: honesty, integrity, sportsmanship, respect, confidence, responsibility, perseverance, courtesy, and judgment.

Junior Achievement
JA It’s Business! emphasizes entrepreneurship content while providing a strong focus on social studies, reading, and writing skills. Students are encouraged to use critical thinking to learn entrepreneurial skills that support positive attitudes as they explore and enhance their career aspirations through a variety of hands-on activities and guest speakers.

Health/Fitness
Entering Grades 1-4
This enrichment class is designed to keep students active and encourage them to adopt an active lifestyle. Students will participate in a variety of team activities and games.

Healthy Foods-Healthy Choices
Entering Grades 1-4
This enrichment class brings food and physical activity to life! Through fun activities, hands-on food preparation, and creative challenges, students will learn about nutrition, health, and being physically fit. Students will leave the course with skills to make healthy choices and a greater appreciation of how positive choices can have life-long benefits.

Martial Arts
Entering Grades 1-4
This enrichment will introduce students to the basics. They will learn that participation in martial arts is good for physical health and fitness, as well as mental and physical development, and that it can also be used for competition and self-defense.

Zumba
Entering Grades 1-4
This enrichment class is designed to teach students the basic Zumba moves. The course blends dance and fitness routines with fun games and high energy music.

Space is limited. Register early!
Summer Institute Grades 5-9 Academic and Enrichment Courses

Summer Institute Grades 5-9
$650 0 Credit
Full-day enrollment only
Dates: July 1 - 26
Time: 8:30 a.m. - 3 p.m.
Location: River Hill High
Schedule:
   Morning: Academic Courses
   Mid Day: Lunch and Recess
   Afternoon: Enrichment Courses

This four-week integrated enrichment program provides extended learning opportunities for Howard County middle and high school students. Students will practice skills that are assessed on state tests and will also have opportunities to participate in a wide range of enrichment activities.

Academic Courses 0 Credit

Let’s Get Ready for Fifth Grade Entering Grade 5
This course is for students who have successfully completed fourth grade. Students will be placed in one reading and one math course based on report card data and pre-testing. The curriculum is aligned with the Maryland College and Career Ready Standards. Courses are intended for students who are solidly on or marked above grade level on their report cards. Please be sure to indicate instructional level (on, above, or below) on the registration form.

Morning Course

English for Speakers of Other Languages (ESOL) Entering Grades 5-8
This course is for students entering Grades 5-8 with a 2018 ACCESS or W-APT score of 1.0-3.0. Students will continue to develop proficiency in English through activities focused on developing listening, reading, writing, and/or speaking skills. A portion of each day will specifically focus on Language. There is a scholarship option available for all ESOL students.

Morning Course

Three Academic Course Program for Entering Grades 6-9
All students entering grades 6-9 will each take three academic courses

English Entering Grades 6-9
All levels of middle school English classes will be offered. Each student will take an English class that provides enrichment and preparation for the course they will take next year. The teachers will engage students in activities that enhance reading and writing interest and skills.

Mathematics Entering Grades 6-9
All mathematics classes are based on the Maryland College and Career Ready Standards. Students will be exposed to process standards of problem solving, reasoning and proof, communication, representation, and connections. Students will also experience activities that will challenge them with adaptive reasoning, strategic competence, conceptual understanding, procedural fluency, and productive disposition. Students will be placed in college preparatory mathematics classes according to their class enrollment and performance during the previous school year.

Social Studies Entering Grades 6-8
This course provides a variety of social studies related themes. Teachers will stimulate student interest in social studies and will encourage meaningful dialogue to improve understanding of concepts.

Science 9th Grade only
This course is designed as an introduction to high school Next Generation Science Standards in Earth and Space Science and Biology. Students will participate in learning various topics to include Earth and human activity, ecosystems, Earth’s systems, and sustainability. While investigating and acting upon environmental issues–local, regional, and/or global–students will also explore engineering design.

AM Enrichment courses
Students will select one course from the choices below. These are 50-minute classes and will be offered in the morning.

Art Entering Grades 7-9
This course is designed to expose the students to various styles of art with an emphasis on African American art. Students will create drawings and collages, and use other media that communicate what students understand about a theme or an idea.

African American Studies Entering Grades 7-9
This class is a comprehensive study of the history of the African American experience. Topics include the origin of civilization in Africa, the evolution of the slave system in the United States, and contemporary contributions of African Americans.

Engineering Entering Grades 5-9
This class is a hands-on course designed for students with strong math and science interest and/or ability. Through a variety of activities, participants will develop pre-engineering skills under the guidance of professionals in the field.

Lifetime Fitness and Health Entering Grades 5-9
Students will cover the basic course requirements for Health and Lifetime Fitness. The content will include instruction on health-enhancing behavior, physical education, and life management skills. This class will introduce or reinforce concepts in the required curriculum for these courses.
Pre-engineering related activities that discussion and reinforcement of skills. All activities will be followed by members, defendants, prosecutors and take on the roles of defense attorneys, jury literature serve as a backdrop as students Fairy tales, nursery rhymes, and famous Classrooms are transformed into courtrooms projects. apply these technology skills to authentic and software integration. Students will desktop presentations, using the internet, processing, creating spreadsheets and operations including keyboarding, word are interested in learning computer This class is intended for students who entering Grades 5-6

Summer of the Century!
Entering Grades 5-6
Classrooms are transformed into courtrooms as students take part in simulated trials. Fairy tales, nursery rhymes, and famous literature serve as a backdrop as students take on the roles of defense attorneys, jury members, defendants, prosecutors and witnesses.

Afternoon Enrichment courses
Select either one double period class or two single period classes.

Double Period Classes
(Select one)

Golf (Triple period, golf is the only enrichment students will attend.)
Designed for students entering Grades 3-9, students will learn golf and life skills from professional golfers at Fairway Hills Golf Course through the First Tee program twice weekly. The First Tee is a World Golf Foundation initiative dedicated to providing access to golf experiences and its positive values to youth. Students will be introduced to nine core values: honesty, integrity, sportsmanship, respect, confidence, responsibility, perseverance, courtesy, and judgment.

Basketball
Summer basketball camp will provide opportunities for students to extend their physical education interest to the summer months while developing stronger interpersonal relationship skills. Participants will improve their awareness of basketball fundamentals, offensive/defensive strategies, and game concepts.

Drama and Set Design
Students enrolled in this enrichment class will be involved in the production of an original play. The comprehensive curriculum for this theatre workshop includes acting, singing, dancing, and stagecraft. This course culminates in a fully-staged dramatic performance.

Hip Hop Dance
In this enrichment class, students are challenged in hip hop dance sessions that enhance their maximum movement range. Individuality of artistic expression is encouraged through improvisation and composition, using specific choreographic techniques.

Step
Participants will learn fundamental movements of a step routine while gaining an appreciation for the rich history of this African American cultural art form. This class is designed to positively impact the social and physical development of students. Students will be fully engaged with masterful moves and performance techniques.

AM Enrichment courses (continued from page 6)

MESA Mathematics, Engineering, Science Achievement
Entering Grades 5-9
Participants will be exposed to components of the pre-college MESA program designed to increase the number of Maryland students prepared for the rigor of university study in mathematics-based fields by enhancing science and mathematics education. Students enrolled in this class will participate in science and pre-engineering related activities that stimulate deeper interest in the study of mathematics and science. This class is sure to be both fun-filled and academically enriching for all involved.

Spanish
Entering Grades 5-9
This course does not replace 7th or 8th grade Spanish. See the World Language Program on the next page for a full Spanish course. This enrichment class is designed to give students a strong auditory foundation. All activities will be followed by discussion and reinforcement of skills.

Technology
Entering Grades 7-9
This class is intended for students who are interested in learning computer operations including keyboarding, word processing, creating spreadsheets and desktop presentations, using the internet, and software integration. Students will apply these technology skills to authentic projects.

Trial of the Century!
Entering Grades 5-6
Classrooms are transformed into courtrooms as students take part in simulated trials. Fairy tales, nursery rhymes, and famous literature serve as a backdrop as students take on the roles of defense attorneys, jury members, defendants, prosecutors and witnesses.

Single Period Classes (Select two)

Broadcasting
The summer program allows students to role-play being on air in a radio station and strengthens their writing, grammar and composition skill set as well as their diction and creativity.

Creative Writing
Students will explore various styles of writing to produce a culminating project of their choice.

Engineering
The engineering class is a hands-on course designed for students with strong math and science interest and/or ability. Through a variety of activities, participants will develop pre-engineering skills under the guidance of professionals in the field.

Food and Nutrition
Practical activities in the laboratory provide students with in-depth experiences in cooking techniques and principles of basic food preparation. This introductory experience is combined with instruction in management, consumerism, and nutrition.

Journalism
This multimedia class will provide students with the opportunity to hone their journalism skills in a stimulating environment. Participants will create a newspaper and/or video journal during class under the direction of an experienced writer and teacher.

Junior Achievement
JA It’s Business! emphasizes entrepreneurship content while providing a strong focus on social studies, reading, and writing skills. Students are encouraged to use critical thinking to learn entrepreneurial skills that support positive attitudes as they explore and enhance their career aspirations through a variety of hands-on activities and guest speakers.
Photography
Students apply the language of art in producing fine art photography. Experiences throughout the course will include composing, exposing, processing, and basic experiences in digital imaging.

Science Fun
This enrichment class is designed to explore some simple science with everyday materials. Students will participate in hands-on activities as they observe, inquire, question, formulate, and evaluate discoveries.
General Information for Innovative Pathways High School

Overview
The Howard County Public School System’s IP High School Summer Program is designed to provide students entering Grades 9-12 with enrichment and/or intervention opportunities to accelerate their achievement. The program offers high school credit-bearing courses in a variety of content areas, levels, including Honors and GT, and formats, including traditional face-to-face, digital blended, and fully online courses.

Location 1: Atholton High School
6520 Freetown Road
Columbia, MD 21045

Face-to-Face Courses:
Health, Lifetime Fitness, Mathematics, and science courses
Time: 8 a.m.-12:45 p.m.

Blended Digital Courses:
English 9, 10, 11
Health
Lifetime Fitness
Geometry G/T
Modern World History
US History
Exploring Computer Science - Honors
Foundations of Technology
Time: 1:30-4 p.m., MWF or TThF

Location 2: Hammond High School
8800 Guilford Road
Columbia, MD 21046

Face-to-Face Courses:
English, ESOL, art, social studies, world languages, and career courses
Time: 7:30 a.m.-12:15 p.m.

Program Dates
Face-to-Face Classes June 24-August 2
Blended Digital Classes June 24-August 1
Bridge Program June 24-July 12

Semester Courses
Health and Lifetime Fitness Face-to-Face and Blended Digital
Session I June 24-July 12
Session II July 15-August 1

Tuition
Original Credit (1 credit) $550
Lifetime Fitness only (.5 credit) $325
Health only (.5 credit) $325
Lifetime Fitness and Health: (1 credit) $550
Career Research and Development II and Site-Based Work Experience (2 Credits) $1,100

Blended Digital Courses
All HCPSS Blended Digital courses offer a hybrid class experience. These courses are teacher facilitated and are not designed to be independent study courses. Classes meet face-to-face with an instructor three days per week. Students are expected to complete additional online coursework. Sixty percent of the work will be done outside of the classroom. Your student must be capable of completing that amount of work. Students should also be independent, competent readers and motivated to learn in alternative formats. Blended Digital courses require students to have reliable access to a computer and internet. These classes will have a required orientation on June 24 at Atholton High School from 1:30-4 p.m. Students enrolled in Semester II - Blended Digital Health or Lifetime Fitness will attend an orientation on July 15.

Fully Online Digital Courses
There are two fully Online Digital Courses: US History G/T and Modern World History Honors. These will require one face-to-face meeting at Atholton HS on June 24, 1:30-4 p.m. Teacher will be available for office hours to support students on TThF 1:30-4 p.m. Students will take a mid-summer assessment and an end of summer assessment in person. Students should be independent, competent readers and motivated to learn in alternative formats. Online courses require students to have reliable access to a computer and internet.

Students who register for any Digital courses will have to complete an online orientation prior to the start of classes, in addition to the in-person orientations at the start of classes. Registration for all digital courses ends on June 17.

Registration
Registration for Summer School (High School) takes place in two ways: online or on-site at the Homewood Center. Enrollment in course sections is limited. Current high school students will be placed in courses according to the order in which their requests are submitted. Priority will apply to students who need classes to graduate in August. Enrollment status will be communicated as soon as possible following each registration window.

Online Registration
Online registration requests are submitted through the Synergy Parent Portal at the HCPSS Connect web page.
This year, there will be two online registration start periods for summer school courses: February 6, beginning at 6 p.m.- February 15, ending at 6 p.m.: English, mathematics, science and social studies courses.

Payment
Please do not come directly to the Summer School Office without first contacting Alice Giles (410) 313-6627 to schedule an appointment.

On-Site Registration
On-site registration will be available at the Homewood Center on the following dates:
February 6; March 1 from 6 – 8 p.m.
February 6; March 20, April 3; May 15; and June 12; from 4:30 – 7 p.m.
June 15 and 22; from 9 – 11 a.m.

After the February and March registration periods close, and current high school students have been placed, lotteries will be held for rising 9th grade students to fill the available remaining seats. Once a course is at capacity, lottery results will be used as a wait list and all future registration requests will be added to the end of that list.

Mail:
After completing your online registration, send your Registration Payment Form (found on www.hcpss.org/summer/) along with your check or money order payable to “Howard County Public School System” to:
HCPSS
Attn: Summer School Office
10910 Clarksville Pike
Elicott City, MD 21042

In Person:
Bring your Registration Payment Form (found on www.hcpss.org/summer/) to a scheduled on-site registration session with your cash, check, money order, or

Bring your Registration Payment Form (found on www.hcpss.org/summer/) to a scheduled on-site registration session with your cash, check, money order, or the Homewood Center on the following dates: February 6; March 1 from 6 – 8 p.m.
February 6; March 20, April 3; May 15; and June 12; from 4:30 – 7 p.m.
June 15 and 22; from 9 – 11 a.m.

After the February and March registration periods close, and current high school students have been placed, lotteries will be held for rising 9th grade students to fill the available remaining seats. Once a course is at capacity, lottery results will be used as a wait list and all future registration requests will be added to the end of that list.

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HCPSS
Attn: Summer School Office
10910 Clarksville Pike
Elicott City, MD 21042

In Person:
Bring your Registration Payment Form (found on www.hcpss.org/summer/) to a scheduled on-site registration session with your cash, check, money order, or
Returned Checks

The card company's refund procedure. The by credit card will be refunded to the Refund Form is processed. Tuition paid once the order will be refunded in the form of a greater of $50 or a 20% (Partial Refunds will be assessed the Partial Refund - June 28 through the following dates. Refund requests will only be accepted online at www.hcpss. org/summer/. Students eligible to graduate after the successful completion of their Summer Program course will be able to participate in a graduation ceremony on August 1. Returned Checks

Checks returned by your bank due to insufficient funds will be assessed a charge. If payment is not received in full, the unpaid amount will become a debt and will be entered as an outstanding obligation at your child's school. All obligations must be satisfied prior to graduation. The HCPSS Finance Office has contracted with Envision Payment Solutions, Inc. for the electronic collection of check payments. If the check is returned unpaid, Envision Payment Solutions, Inc. will assess a $35 fee allowed by Maryland state law and charged as an electronic fund transfer.

Student Withdrawals and Refunds

A student withdrawal/refund form must be completed prior to a student being removed/transferred from a class or a refund being issued. The form may be obtained during on-site registrations or can be completed online at www.hcpss.org/summer/.

Refund requests will only be accepted through the following dates.

Full Refund - June 26
Partial Refund - June 28
(Partial Refunds will be assessed the greater of $50 or a 20% administrative fee.) Any withdrawals after the above dates will not be issued a refund.
Tuition paid by cash, check, or money order will be refunded in the form of a check mailed to the issuer once the
Refund Form is processed. Tuition paid by credit card will be refunded to the credit card in accordance with the credit card company's refund procedure. The HCPSS Policy (8020-PR Grading and Reporting) governs procedures related to students who withdraw from a Summer School course. Any student who withdraws from a course more than 7 school days after the beginning of the course will receive a W (withdrawal) on the report card and official transcript.

Financial Assistance

Students may apply for financial assistance (form found at www.hcpss.org/summer/). An initial payment of no more than 25 percent of the course fee is required at the time of registration. Balance owed is pending review by the Financial Assistance Committee.

Students who currently receive Free and Reduced Price Meal services (FARMs) through HCPSS Food and Nutrition Services qualify for a 50 percent tuition reduction upon verification.

Parents/guardians who will still be unable to afford tuition after the automatic FARMs status-based discounts, or who do not qualify for FARMs but are experiencing a documented financial hardship, may also apply for tuition reduction. Financial hardships include: unemployment of a parent or guardian, pending foreclosure or eviction, and medical hardship.

Financial Assistance requests with attached supplemental documentation must be submitted to the Summer School Office. The Financial Assistance Committee will review the application and notify parents/guardians regarding any gaps in information.

Course Cancellation

Course enrollment will be reviewed no later than June 21 for Innovative Pathways High School Summer Program classes. Classes with low enrollment may be cancelled.
Once a course is cancelled, no further registrations will be accepted and no teacher will be hired. In order to avoid cancellation of a course due to low enrollment, early registration is recommended. Class schedules and locations may change due to circumstances beyond our control. You will be notified of any changes.

Transcript and GPA Calculation

Original credit summer courses are documented on the student's transcript and grades are calculated into the overall GPA for the 2018-19 school year. Students who are in Grade 8 during the 2018-19 school year will have the course listed on their transcript, but the grade will not be factored into their overall GPA.

Innovative Pathways High School Summer Program grades will not replace an existing grade; rather, the grade will be averaged within the total GPA. Both grades, Comprehensive Summer School and home school grades, will be listed on the student's transcript.

Eligibility

Students who have less than a 2.0 grade point average or more than one failing grade for the final marking period may attend summer school to gain eligibility for fall extracurricular activities. The grade earned in summer school does not replace the recorded grade for the fourth quarter of a student's report card or transcript. The grade earned in the summer school class will be calculated in place of the student's fourth quarter grade in the course ONLY for the purpose of meeting eligibility requirements.

Attendance

Students may not miss more than ONE day of summer school. All students are expected to attend every day in accordance with the Public School Laws of Maryland, Sections 7-301, 7-302, and 3-804 of the Courts and Judicial Proceedings Article. Students may only earn credit for assignments due to an excused absence. Students may be excused from class or school only for reasons as specified in the Code of Maryland Regulations, 13A.08.01.02, 13A.08.01.03, 13A.08.01.06, and 13AA.10.01.04(A-B).

Transportation

Transportation for students enrolled in summer school will be the responsibility of the student and parent(s)/guardian(s). Students must be dropped off and picked up on time. Alternate transportation may be found through Howard County Transit at howardtransit.com.

English Learners (ELs)

Students taking credit bearing classes who are classified as English Learners (ELs) may submit appropriate Maryland Accommodations forms, completed by their home school, to the Summer School Office.
Registration priority will be given to diploma-bound students in the ESOL program who are not eligible for other Howard County English classes.
Scholarships may be available for Active English Learners enrolled in ESOL Entering Literacy Development, ESOL English 9, ESOL English 10, or Algebra I.
Students who qualify for an ESOL scholarship will pay $50 to register.

Contact: Alice Giles
Phone: 410-313-6627
Email: InnovativePathways@hcpss.org
# Innovative Pathways High School Summer Program

## Innovative Pathways Summer Program Courses
Original Credit, face-to-face courses are listed first. For Digital Blended and Fully-Online Courses, please see page 12. Course descriptions can be found in the HCPSS Approved High School Course Catalog. [www.hcps.org/academics/approvedcourses/](http://www.hcps.org/academics/approvedcourses/)

## Face-to-Face Courses
### Career Education
The HCPSS career and technology programs are designed to prepare students to be successful in different career fields by providing up-to-date information and hands-on experiences. [www.hcps.org/academics/career-technology-education/](http://www.hcps.org/academics/career-technology-education/)

#### Career Research and Development I
**Grades 10-12** 1 Credit  
**CT-510-1.06 Face-to-Face**  
**Date:** June 24-August 2  
**Time:** 7:30 a.m.-12:15 p.m.  
**Location:** Hammond HS  
**Cost:** $550

#### Career Research and Development II
**Grade 12** 1 Credit  
**Prerequisite Career Research and Development I, Concurrent enrollment in Site-Based Work Experience**  
**CT-520-1.06 Face-to-Face**  
**Date:** June 24-August 2  
**Time:** 7:30 a.m.-12:15 p.m.  
**Location:** Hammond HS  
**Cost:** $550

#### Site-Based Work Experience
**Grade 12** 2 Credit  
**Prerequisite:** Career Research and Development I; Concurrent enrollment in Career Research and Development II  
**CT-530-1.06 Face-to-Face**  
**Date:** June 24-August 2  
**Time:** 7:30 a.m.-12:15 p.m.  
**Location:** Hammond HS  
**Cost:** $550

## English
The objectives of the English Language Arts Program are to provide students with a solid foundation in the skills and processes of literacy and to produce strategic independent readers and critical thinkers. [www.hcps.org/academics/english-language-arts](http://www.hcps.org/academics/english-language-arts)

#### English 9
**Grade 9** 1 Credit  
**LA-401-1.06 Face-to-Face**  
**Date:** June 24-August 2  
**Time:** 7:30 a.m.-12:15 p.m.  
**Location:** Hammond HS  
**Cost:** $550

#### English 10
**Grade 10** 1 Credit  
**LA-501-1.06 Face-to-Face**  
**Date:** June 24-August 2  
**Time:** 7:30 a.m.-12:15 p.m.  
**Location:** Hammond HS  
**Cost:** $550

#### English 11
**Grade 11** 1 Credit  
**LA-601-1.06 Face-to-Face**  
**Date:** June 24-August 2  
**Time:** 7:30 a.m.-12:15 p.m.  
**Location:** Hammond HS  
**Cost:** $550

#### English 12
**Grade 12** 1 Credit  
**LA-701-1.06 Face-to-Face**  
**Date:** June 24-August 2  
**Time:** 7:30 a.m.-12:15 p.m.  
**Location:** Hammond HS  
**Cost:** $550

## ESOL
**Entering Literacy Development**  
**Grade 9** 1 Credit  
**EL-430-1.06 Face-to-Face**  
**Date:** June 24-August 2  
**Time:** 7:30 a.m.-12:15 p.m.  
**Location:** Hammond HS  
**Cost:** $550

#### ESOL 9
**Grade 9** 1 Credit  
**EL-401-1.06 Face-to-Face**  
**Date:** June 24-August 2  
**Time:** 7:30 a.m.-12:15 p.m.  
**Location:** Hammond HS  
**Cost:** $550

#### ESOL 10
**Grade 10** 1 Credit  
**EL-501-1.06 Face-to-Face**  
**Date:** June 24-August 2  
**Time:** 7:30 a.m.-12:15 p.m.  
**Location:** Hammond HS  
**Cost:** $550

## Fine Arts
### Art I: Foundations of Studio Art
**Grade 9-12** 1 Credit  
**VA-400-1.06 Face-to-Face**  
**Date:** June 24-August 2  
**Time:** 7:30 a.m.-12:15 p.m.  
**Location:** Hammond HS  
**Cost:** $550

## Health and Physical Education
Note: Only rising 10-12th grade students may register for this course. Rising 9th grade students are not eligible to take this course.

#### Health
**Grades 9-12** .5 Credit  
If taking both Health and Lifetime Fitness, total cost is $550. For Blended Digital Courses, see Page 12.  
**Session 2**  
**HE-900.8.06 Face-to-Face**  
**Date:** June 24-July 12  
**Time:** 8 a.m.-12:45 p.m.  
**Location:** Atholton HS  
**Cost:** $325

## Mathematics
The HCPSS mathematics program encourages students to practice applying mathematical ways of thinking to real world challenges, and requires students to think and reason mathematically. [www.hcps.org/academics/mathematics/](http://www.hcps.org/academics/mathematics/)

#### Algebra I
**Grades 9-12** 1 Credit  
**MA-401-1.06 Face-to-Face**  
**Date:** June 24-August 2  
**Time:** 8 a.m.-12:45 p.m.  
**Location:** Atholton HS  
**Cost:** $550

#### Algebra II
**Grades 9-12** 1 Credit  
**Prerequisite:** Algebra I and Geometry  
**MA-461-1.06 Face-to-Face**  
**Date:** June 24-August 2  
**Time:** 8 a.m.-12:45 p.m.  
**Location:** Atholton HS  
**Cost:** $550

#### Algebra II G/T
**Grades 9-12** 1 Credit  
**Prerequisite:** Geometry G/T  
**MA-463-1.06 Face-to-Face**  
**Date:** June 24-August 2  
**Time:** 8 a.m.-12:45 p.m.  
**Location:** Atholton HS  
**Cost:** $550

#### Geometry
**Grades 9-12** 1 Credit  
**Prerequisite:** Algebra I  
**MA-431-1.06 Face-to-Face**  
**Date:** June 24-August 2  
**Time:** 8 a.m.-12:45 p.m.  
**Location:** Atholton HS  
**Cost:** $550

#### Mathematical Analysis Honors
**Grades 10-12** 1 Credit  
**Prerequisite:** Algebra II or Algebra II G/T  
**MA-502-1.06 Face-to-Face**  
**Date:** June 24-August 2  
**Time:** 8 a.m.-12:45 p.m.  
**Location:** Atholton HS  
**Cost:** $550

#### Geometry G/T
**Grades 9-12** 1 Credit  
**Prerequisite:** Algebra I  
**MA-433-1.06 Face-to-Face**  
**Date:** June 24-August 2  
**Time:** 8 a.m.-12:45 p.m.  
**Location:** Atholton HS  
**Cost:** $550

#### Pre-Calculus G/T
**Grades 9-11** 1 Credit  
**Prerequisite:** Algebra II or Algebra II G/T  
**MA-543-1.06 Face-to-Face**  
**Date:** June 24-August 2  
**Time:** 8 a.m.-12:45 p.m.  
**Location:** Atholton HS  
**Cost:** $550

For Blended Digital Courses, see Page 12.
### Mathematics continued

**Mathematics**

<table>
<thead>
<tr>
<th>Course</th>
<th>Grades</th>
<th>Credits</th>
<th>Prerequisite</th>
<th>Date</th>
<th>Time</th>
<th>Location</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trigonometry Honors</td>
<td>Grades 10-12</td>
<td>1</td>
<td>Algebra I or Algebra II G/T</td>
<td>June 24-August 2</td>
<td>7:30 a.m.-12:15 p.m.</td>
<td>Atholton HS</td>
<td>$550</td>
</tr>
<tr>
<td><strong>World Languages</strong></td>
<td>Grades 9-12</td>
<td>1</td>
<td>Spanish I</td>
<td>June 24-August 2</td>
<td>7:30 a.m.-12:15 p.m.</td>
<td>Hammond HS</td>
<td>$550</td>
</tr>
<tr>
<td><strong>Blended Digital and Fully Online Courses</strong></td>
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<tr>
<td><strong>English</strong></td>
<td>Grades 9</td>
<td>1</td>
<td>English 9</td>
<td>June 24-August 1</td>
<td>7:30 a.m.-12:15 p.m.</td>
<td>Atholton HS</td>
<td>$550</td>
</tr>
<tr>
<td><strong>United States History</strong></td>
<td>Grades 9-12</td>
<td>1</td>
<td>United States History G/T</td>
<td>June 24-August 1</td>
<td>7:30 a.m.-12:15 p.m.</td>
<td>Atholton HS</td>
<td>$550</td>
</tr>
<tr>
<td><strong>Social Studies</strong></td>
<td>Grades 10-12</td>
<td>1</td>
<td>American Government G/T</td>
<td>June 24-August 2</td>
<td>7:30 a.m.-12:15 p.m.</td>
<td>Hammond HS</td>
<td>$550</td>
</tr>
<tr>
<td><strong>Modern World History</strong></td>
<td>Grades 11-12</td>
<td>1</td>
<td>Modern World History G/T</td>
<td>June 24-August 2</td>
<td>7:30 a.m.-12:15 p.m.</td>
<td>Hammond HS</td>
<td>$550</td>
</tr>
<tr>
<td><strong>Health and Physical Education</strong></td>
<td>Grades 9-12</td>
<td>1</td>
<td></td>
<td>June 24-August 1</td>
<td>7:30 a.m.-12:15 p.m.</td>
<td>Atholton HS</td>
<td>$550</td>
</tr>
</tbody>
</table>

### Science

**Science**

The HCPSS engages students in a rich and rigorous inquiry-driven laboratory science program to develop substantive science literacy in all students. www.hcps.org/academics/secondary-science

<table>
<thead>
<tr>
<th>Course</th>
<th>Grades</th>
<th>Credits</th>
<th>Prerequisite</th>
<th>Date</th>
<th>Time</th>
<th>Location</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biology G/T</td>
<td>Grades 9-10</td>
<td>1</td>
<td></td>
<td>June 24-August 2</td>
<td>7:30 a.m.-12:15 p.m.</td>
<td>Atholton HS</td>
<td>$550</td>
</tr>
<tr>
<td><strong>Chemistry G/T</strong></td>
<td>Grades 10-11</td>
<td>1</td>
<td></td>
<td>June 24-August 2</td>
<td>7:30 a.m.-12:15 p.m.</td>
<td>Atholton HS</td>
<td>$550</td>
</tr>
<tr>
<td>Earth and Space Science</td>
<td>Grades 9-10</td>
<td>1</td>
<td></td>
<td>June 24-August 2</td>
<td>7:30 a.m.-12:15 p.m.</td>
<td>Atholton HS</td>
<td>$550</td>
</tr>
<tr>
<td><strong>Advanced Physical Science</strong></td>
<td>Grades 10-12</td>
<td>1</td>
<td></td>
<td>June 24-August 2</td>
<td>7:30 a.m.-12:15 p.m.</td>
<td>Atholton HS</td>
<td>$550</td>
</tr>
</tbody>
</table>

### Social Studies

The HCPSS Social Studies program develops a critical understanding of the United States and world history, geography, institutions, and traditions. www.hcps.org/academics/secondary-social-studies

<table>
<thead>
<tr>
<th>Course</th>
<th>Grades</th>
<th>Credits</th>
<th>Prerequisite</th>
<th>Date</th>
<th>Time</th>
<th>Location</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mathematics</td>
<td>Grades 9-12</td>
<td>1</td>
<td></td>
<td>June 24-August 1</td>
<td>7:30 a.m.-12:15 p.m.</td>
<td>Atholton HS</td>
<td>$550</td>
</tr>
<tr>
<td><strong>Technology Education</strong></td>
<td>Grades 9-12</td>
<td>1</td>
<td></td>
<td>June 24-August 1</td>
<td>7:30 a.m.-12:15 p.m.</td>
<td>Atholton HS</td>
<td>$550</td>
</tr>
<tr>
<td><strong>Exploring Computer Science</strong></td>
<td>Grades 9-12</td>
<td>1</td>
<td></td>
<td>June 24-August 1</td>
<td>7:30 a.m.-12:15 p.m.</td>
<td>Atholton HS</td>
<td>$550</td>
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</tbody>
</table>

**Note:** Only rising 10-12th grade students may register for this course. Rising 9th grade students are not eligible to take this course.

For face-to-face courses, see page 11.
Career Academies General Information and Summer Programs

General Information
Middle and high school students will participate in activities that will help them relate their own interests to different career areas while exploring the Career Academies offered in the high schools. Programs will include classes in Architectural Design/Construction, Animation/Graphic Design, Computer Science, Career Research and Development, Health Professions, Teacher Academy, Culinary Science, Cybersecurity, Automotive Technology, Biotechnology and Engineering.

Location
Applications and Research Lab (ARL) 10920 Clarksville Pike Ellicott City, MD 21042

Dates
June 24-28

Times
9 a.m.-3 p.m.

No transportation or meals provided. Students must bring a bagged lunch.

Registration
Online see www.hcpss.org/summer/ for application form. Must be completed by June 1, 2019.

Tuition
$200 per student

Before and After Care
Before and after care will be offered from 8-9 a.m. and 3-4 p.m. The price is $25 per week for a morning or afternoon session OR $50 for both sessions.

Tuition Reduction and Scholarships
Students may apply for either tuition reduction or scholarships. Application forms may be found online at www.hcpss.org/summer/. An initial payment of no more than 50 percent of the course fee is required at the time of registration. Balance owed is pending review by the Scholarship Committee.

Student Withdrawals and Refunds
A student may request a full refund prior to June 10, 2019. A withdrawal/refund form (found online at www.hcpss.org/summer/) must be completed.

Contact: Matt Berkowitz
Phone: 410-313-6629
Email: matthew_berkowitz@hcpss.org

Enrollment is limited to the first 25 students in each program who complete form with payment.

Career Academies Summer Programs
June 24–June 28

Analyze, Design, Build
Entering Grades 7-9 0 Credit
Students will learn the engineering design process and apply this methodical approach to solving real world problems while using a variety of technologies. Electronics, soldering and 3-D printing may be included as components of some of the activities.
GG01.E3

The Art of Architecture
Entering Grades 7-9 0 Credit
Students will gain an appreciation for architecture and related fields by creating shapes, forms, and structures using hands-on-model building and 3-D software.
GG01.E3

Career Research
Entering Grades 7-9 0 Credit
Students will explore careers and develop a plan for their future. This camp is designed to strengthen the students core areas of self-awareness, career exploration, and how to secure their financial future. Camp will include guest speakers, field trips, the Stock Market game and much more!
GG01.E5

HTML: Web Site Design/Application
Entering Grades 7-9 0 Credit
Students will be introduced to HTML and web design. Students will take the role of web developer and learn how to write basic code that will produce a web page for personal use. Practical applications of web design will be investigated and a capstone project will be presented.
GG01.E10

Let’s Get Cooking: Chef’s Institute
Entering Grades 7-9 0 Credit
Students will hone their knife skills and food preparation techniques while creating dishes to impress family and friends. Food and kitchen safety, sanitation, and good nutrition will be emphasized.
GG01.E2

Building for The Future
Entering Grades 8-10 0 Credit
Students will learn construction skills and methods that are used by Habitat for Humanity and other community volunteer construction projects.
GG01.E4

Creating Tomorrow’s Automotive Technicians
Entering Grades 8-10 0 Credit
Students will learn the automotive trade and some of the basic service and maintenance repair essentials.
GG01.E9

Discovering, Diagnosing, and Treating Medical Conditions
Entering Grades 8-10 0 Credit
Students will explore how biotechnology is applied in modern research and medicine to uncover the biological causes of illness, diagnose diseases, and develop drug therapies. This hands-on camp is lab intensive and includes a rat dissection.
GG01.E8

Exploring Health Professions
Entering Grades 8-10 0 Credit
Students will explore the wide range of healthcare careers and examine the many fascinating aspects of the human body systems while learning about the prevention and care of illnesses.
GG01.E6

Exploring Cybersecurity
Entering Grades 8-12 0 Credit
Students will learn to apply basic security concepts through gaming, modeling and simulation development, while investigating exciting careers and engaging in hands-on activities related to cryptography, system vulnerabilities, and digital forensics.
GG01.E6

Graphics for Illustration, Advertising, Animation, and VR
Entering Grades 8-10 0 Credit
Students will design several works of digital art utilizing techniques taught in the ARL Graphic Design and Animation and Interactive Media Academies. Students will create character concept art, design related logos, and advertising using 2-D computer illustration software. Students will create objects using 3-D Modeling Software and interact with their art using Virtual Reality (VR). Time permitting, students may also get to print their objects, take a related field trip, and put their objects in a pre-programmed gaming simulation (please note, coding is not a part of this experience). A waiver is required for VR use.
GG01.E1
General Information for G/T Summer Institutes

Gifted and Talented Summer Institutes for Talent Development

G/T Summer Institutes provide interested students with advanced-level instruction and enrichment experiences not regularly available during the academic school year. The curriculum is focused on talent development and provides academically and artistically rigorous activities. Teaching strategies represent best practices in the fields of gifted and talented and arts education.

Location
Wilde Lake Middle School
10481 Cross Fox Lane
Columbia, MD 21044

Directions
From Rt 29, exit onto 108 West. Turn left at Harpers Farm Rd. At sixth light, Twin Rivers Road, turn left. Turn right at first light, Cross Fox Lane. Make first right before the tennis courts.

Dates, Times, and Tuition
Session I July 1-July 12 (no classes July 4)
8:30 a.m.-12:30 p.m.
$288
Session II July 15-July 26
8:30 a.m.-12:30 p.m.
$320

Forms of Payment
• Check or money order (make payable to HCPSS)
• Visa or Mastercard
• No cash payments accepted.

Register Early!
Classes fill quickly due to small class sizes designed to maximize individualized attention. Registration forms are available at www.hcpss.org/gt.

Registration Procedures
Complete the following:
• Registration Form on page 20
• Emergency Procedure/Health Information Form on page 21
• Payment
  Mail to: G/T Summer Institutes
  5451 Beaverkill Road
  Columbia, MD 21044

Deadline: Postmarked by May 1, 2019
Payment must be included with registration. Registration is pending until all registration materials are received. Once a registration is processed, a confirmation of class enrollment will be emailed along with additional information.

Returned Checks
Checks returned by the bank due to insufficient funds will be assessed a charge. If payment is not received in full, the unpaid amount will become a debt and will be entered as an outstanding obligation at your child’s school. All obligations must be satisfied prior to graduation. The HCPSS Finance Office has contracted with Envision Payment Solutions, Inc. for the electronic collection of check payments. If the check is returned unpaid, Envision Payment Solutions, Inc. will assess a $35 fee allowed by Maryland state law and charged as an electronic fund transfer.

Class Cancellation
Please register early. Class size is limited. Classes with insufficient enrollment will be canceled. Class enrollment will be reviewed weekly and posted online at www.hcpss.org/gt. Registrants will be notified by phone if a class is full or canceled. Alternate classes will be offered, as available. Any refund will be made in the original form of payment.

Withdrawals and Refunds
Complete and submit the online withdrawal form available at www.hcpss.org/gt. Refunds will be made in the original form of payment. Please allow 6 weeks for check refunds to be processed. Refund requests received after April 1, 2019 will be assessed a 25 percent administrative fee and those received after April 12, 2019 will be assessed a 50 percent administrative fee. Refunds will not be granted after May 1, 2019.

Transportation
Transportation for students enrolled in the G/T Summer Institutes will be the responsibility of the students and their parents/guardians. Students must be dropped off and picked up on time.

Tuition Reduction
Parents/guardians may apply for tuition reduction if they qualify for Free and Reduced-price Meals (FARMs) through Food and Nutrition Service. Parents who are experiencing a documented financial hardship may also apply. Please contact LaDonna Norjen at 410-313-6671 for more information.

Before and After Care
Before and After care will be provided on-site at Wilde Lake Middle School by Howard County Recreation and Parks for an additional fee. For more information, please contact Shavon Gordon at Howard County Recreation and Parks at 410-313-4633 or sgordon@howardcountymd.gov. Once you have received confirmation of G/T Summer Institutes enrollment, please call 410-313-7275 if you wish to register for Before and After Care.

Contact: LaDonna Norjen
Phone: 410-313-6671
Email: ladonna_norjen@hcpss.org
Please visit www.hcpss.org/gt for course availability before mailing your registration.

Please check the G/T Program website at www.hcpss.org/gt for course availability before mailing your registration.
Solving a Scientific Mystery
Entering Grades 2-3 0 Credit
This class is designed for students who love to solve mysteries. Instruction will focus on solving the mystery of which suspect borrowed the classroom’s stuffed friend, Mr. Bear. Students will examine clues and evidence while learning important scientific skills and concepts. Emphasis will be on applying skills in observation, analysis, technology and problem solving, as students become active crime scene investigators.
GG06.E1 Date: July 1-July 12 Cost: $288
Time: 8:30 a.m.-12:30 p.m. Location: Wilde Lake MS

Under the Sea
Entering Grades 3-4 0 Credit
Dive into summer with this unique opportunity to explore the world under the sea. Students will conduct research on a marine animal of their choice that can be found at the National Aquarium in Baltimore. After researching their chosen animal using multiple sources of information, students will create an interactive, multimedia presentation to share with their families and peers, as well as visit the National Aquarium to see these marine animals in person! Who’s ready to explore the unknown worlds of Earth’s oceans?
GG15.E1 Date: July 1-July 12 Time: 8:30 a.m.-12:30 p.m. Location: Wilde Lake MS

Totaly Mad About Science
Entering Grades 3-4 0 Credit
How much fun can science be? Students will realize just how exciting scientific concepts are as they conduct a variety of experiments. These will help them understand the states of matter and include watching how “cool” dry ice can be, learning the who’s and “watts” about static electricity, creating super gooey slime, working and “pulling” together to learn about magnetic force, and not believing what they see as they explore optical illusions. Students will conduct their own experiments to explore these and many more interesting scientific concepts!
GG16.E1 Date: July 1-July 12 Cost: $288
Time: 8:30 a.m.-12:30 p.m. Location: Wilde Lake MS

Talking Tangrams: Integrating Geometry and Writing
Entering Grades 2-3 0 Credit
This class explores the use of tangrams, ancient Chinese puzzle pieces consisting of 7 geometric shapes, to create different characters for plays that students read and write. Instruction is math-based and focuses on creativity and hands-on activities to enhance math skills. Students learn and interpret geometric and spatial relationships while integrating language arts skills. Team building skills are emphasized when students work with peers to produce and perform engaging plays as end projects.
GG17.E1 Date: July 1-July 12 Cost: $288
Time: 8:30 a.m.-12:30 p.m. Location: Wilde Lake MS

Invitation to Invent
Entering Grades 4-5 0 Credit
This class will provide students with opportunities to integrate science, technology, engineering, and mathematics in the process of invention. Participating students will use an inquiry-based approach as they investigate the structure and use of simple and compound machines. They will use creative problem solving to invent solutions to everyday problems and develop their own ideas for inventions.
GG22.E1 Date: July 1-July 12 Cost: $288
Time: 8:30 a.m.-12:30 p.m. Location: Wilde Lake MS

Ready, Set, Build
Entering Grades 3-4 0 Credit
Calling all future engineers! Join us for this hands-on introduction to engineering where students will learn about Newton’s Laws, Bernoulli’s Principle, and the workings of simple machines. Students will engage in the engineering design process that helps them create, build, test, and learn from their mistakes in order to improve their designs. Come build bridges, balloon-powered cars, robots and more!
GG18.E1 Date: July 1-July 12 Cost: $288
Time: 8:30 a.m.-12:30 p.m. Location: Wilde Lake MS

For more information, see program description on page 14.
G/T Summer Institutes

G/T General Academics

Session I July 1-12

Money, Banking and Wall Street Entering Grades 4-5 0 Credit
This interactive class looks at what drives the American economy–money. Curriculum is designed to encourage advanced-level learners to take an in-depth look at the role that money plays in our society. The history of money and how interest rates, inflation, banks and money supply affect the stock market are topics of focus. Students will invest an imaginary $100,000 in the stock market and track its growth over one week as a final project.
GG25.E1 Date: July 1-July 12 Cost: $288
Time: 8:30 a.m.-12:30 p.m. Location: Wilde Lake MS

Paper Engineering and the Art of the Pop-up
Entering Grades 4-5 0 Credit
Designing and constructing pop-up books is a STEAM project that challenges students to think spatially and creatively, while engineering complex paper mechanisms to illustrate a story. The design and construction process allows makers to express their own ideas and creativity and engage the reader. Curriculum provides students with strategies to critically and creatively solve problems through engineering, literacy, and the art of the pop-up.
GG26.E1 Date: July 1-July 12 Cost: $288
Time: 8:30 a.m.-12:30 p.m. Location: Wilde Lake MS

Medical Diagnosis 101
Entering Grades 4-5 0 Credit
Students in this interactive class will work in cooperative groups called “medical clinics” to explore the components and workings of six different systems in the human body: circulatory, respiratory, nervous, digestive, muscular/skeletal, and immune. Students will become experts in their specialties and must pass a “Board Exam” prior to practicing medicine. Within the clinics, students will study the relationship between positive health behaviors and the prevention of injury, illness, and disease. The unit will conclude with “Grand Rounds,” where each clinic team is presented with a patient, and must research and work together to find a diagnosis.
GG27.E1 Date: July 1-July 12 Cost: $288
Time: 8:30 a.m.-12:30 p.m. Location: Wilde Lake MS

G/T General Academics

Great Adventures in Math, Engineering and Science
Entering Grades 4-5 0 Credit
Through engaging activities such as crafting original architectural plans or designing roadside attractions, math becomes "real." Students will apply math problem-solving skills to creatively tackle real problems, which incorporate a variety of mathematical concepts such as estimation, geometry measurement, proportional reasoning, probability, fractions, decimals, and statistics.
GG28.E1 Date: July 1-July 12 Cost: $288
Time: 8:30 a.m.-12:30 p.m. Location: Wilde Lake MS

The World of Computer Programming
Entering Grades 5-6 0 Credit
This class introduces the essential building blocks behind object-oriented programming through creating fun, engaging activities. Students will use a variety of coding applications including MicroWorlds, Scratch (a project from the MIT Media Lab) and Alice (a project from Carnegie Mellon) to apply programming to the creation of interactive games and stories. Students will also explore a variety of computer-related topics including binary, cryptography, computer hardware, and cyber security.
GG35.M1 Date: July 1-July 12 Cost: $288
Time: 8:30 a.m.-12:30 p.m. Location: Wilde Lake MS

Young Entrepreneurs
Entering Grades 5-6 0 Credit
Kids love entrepreneurship! It is creative, empowering, and money-making! In this class, students will use their interests and hobbies to design, market and, ultimately, sell a product that they create. They will collaborate on teams as they think creatively, make presentations, act professionally, and learn all of the mathematics necessary for their business to succeed. Students will become familiar with business structures and the science of marketing, while formulating a plan to build and grow their business.
GG36.M1 Date: July 1-July 12 Cost: $288
Time: 8:30 a.m.-12:30 p.m. Location: Wilde Lake MS

Civil Engineering: Mathematics and Problem Solving in the Real World
Entering Grades 6-8 0 Credit
Engineering requires the ability to not only problem-solve but also to create and plan using mathematics. Throughout the course, students will improve upon their mathematical abilities by planning and creating a virtual city. Using problem-based learning, students will work collaboratively to study proportions, ratios, algebra, expository writing, and much more as they explore multiple representations of mathematical scenarios with the ultimate goal of understanding civil engineering.
GG45.M1 Date: July 1-July 12 Cost: $288
Time: 8:30 a.m.-12:30 p.m. Location: Wilde Lake MS

Model UN for Middle School
Entering Grades 6-8 0 Credit
The world has challenges—climate change, nuclear proliferation, poverty, and access to health care. The list goes on and on. Our current school-aged generation will be called on to solve many of these global challenges. Model United Nations (MUN) is a program that runs simulations-based exercises to help prepare students to understand and develop solutions to the world’s most challenging problems. Come and be part of the solution!
GG47.M1 Date: July 1-July 12 Cost: $288
Time: 8:30 a.m.-12:30 p.m. Location: Wilde Lake MS

The All Around Author
Entering Grades 6-8 0 Credit
How do writers use language to breathe life into their work? Students will explore techniques used by published authors to develop and revise their own pieces of fiction, nonfiction and poetry. This class will incorporate the 6+1 Traits of Writing and narrative brush strokes in order to guide students in creating writing portfolios. Students will utilize peer review to develop a sense of audience and receive constructive feedback. They will also explore a variety of authors’ voices in the process of developing their own unique voices as they reflect on their growth as developing writers.
GG48.M1 Date: July 1-July 12 Cost: $288
Time: 8:30 a.m.-12:30 p.m. Location: Wilde Lake MS

Adventures with Javascript
Entering Grades 6-8 0 Credit
Enjoy the Hour of Code? Move beyond block coding to JavaScript, a popular language for web applications. Students will start out learning the basics of HTML and CSS and then will begin writing scripts using JavaScript. Projects will grow in complexity, including a simple chatbot and an aquarium with moving fish, until students are ready to design and code a project of their own. Intended for those new to JavaScript, this course will follow a software development process in which students list a project’s requirements, determine what code features are required, then access resources to learn, write, test and troubleshoot.
GG50.M1 Date: July 1-July 12 Cost: $288
Time: 8:30 a.m.-12:30 p.m. Location: Wilde Lake MS
G/T Summer Institutes

G/T General Academics Session II July 15-26

Junior Techies
Entering Grades 1-2 0 Credit
Do you love technology and problem solving? In this class, students will participate in a variety of activities to develop computational thinking and introductory coding concepts. Students will engage in activities that include robotics, coding apps, web-based games, and unplugged activities.

**GG02.E2** Date: July 15-26 Cost: $320
Time: 8:30 a.m.-12:30 p.m. Location: Wilde Lake MS

Around the World:
Exploring Faraway Lands
Entering Grades 1-2 0 Credit
Students in this class will investigate five different cultures by engaging in hands-on experiences. Utilizing stories and digital media, students will create a variety of products. They will use writing and art to showcase their understanding of these faraway lands.

**GG03.E2** Date: July 15-26 Cost: $320
Time: 8:30 a.m.-12:30 p.m. Location: Wilde Lake MS

The Elementary Chemist
Entering Grades 2-3 0 Credit
This class is for students interested in a hands-on science experience. Instruction will focus on using the scientific method to experiment, observe and test hypotheses. Students will engage in learning about matter and its properties while using chemistry to create and explain color changes, huge bubbles, weird smells and effusions of gas. Curriculum is designed to teach the principles of chemistry to allow students to become familiar with laboratory techniques and to encourage scientific inquiry.

**GG07.E2** Date: July 15-26 Cost: $320
Time: 8:30 a.m.-12:30 p.m. Location: Wilde Lake MS

Talking Tangrams: Integrating Geometry and Writing
Entering Grades 2-3 0 Credit
Talking Tangrams: Integrating Geometry and Writing is an excellent opportunity for your child to explore geometry by using tangrams in creative ways. We will use these ancient Chinese puzzle pieces to build characters in different plays from around the world. Your child will also have a chance to write his/her own play and include tangram characters of his/her choice. This course provides differentiated opportunities that will address the unique needs of advanced-level learners and will enhance and extend your child’s creativity, geometrical concepts, play writing, cooperative learning, and performance skills.

**GG17.E2** Date: July 15-26 Cost: $320
Time: 8:30 a.m.-12:30 p.m. Location: Wilde Lake MS

**GG18.E2** Date: July 15-26 Cost: $320
Time: 8:30 a.m.-12:30 p.m. Location: Wilde Lake MS

**GG19.E2** Date: July 15-26 Cost: $320
Time: 8:30 a.m.-12:30 p.m. Location: Wilde Lake MS

Under the Sea
Entering Grades 3-4 0 Credit
Dive into summer with this unique opportunity to explore the world under the sea. Students will conduct research on a marine animal of their choice that can be found at the Baltimore Aquarium. After researching their chosen animal using multiple sources of information, students will create an interactive, multimedia presentation to share with their families and peers, as well as visit the Baltimore Aquarium to see these marine animals in person!

**GG15.E2** Date: July 15-26 Cost: $320
Time: 8:30 a.m.-12:30 p.m. Location: Wilde Lake MS

Totally Mad About Science
Entering Grades 3-4 0 Credit
How much fun can science be? Students will realize just how exciting scientific concepts are as they do a variety of experiments. These will help them understand the states of matter and include watching how “cool” dry ice can be, learning the who’s and “watts” about static electricity, creating super gooey slime, working and “pulling” together to learn about magnetic force, and not believing what they see as they explore optical illusions. Students will conduct their own experiments to explore these and many more interesting scientific concepts!

**GG16.E2** Date: July 15-26 Cost: $320
Time: 8:30 a.m.-12:30 p.m. Location: Wilde Lake MS

**GG18.E2** Date: July 15-26 Cost: $320
Time: 8:30 a.m.-12:30 p.m. Location: Wilde Lake MS

Ready, Set, Build
Entering Grades 3-4 0 Credit
Calling all future engineers! Join us for this hands-on introduction to engineering where students will learn about Newton’s Laws, Bernoulli’s Principle, and the workings of simple machines. Students will engage in the engineering design process that helps them create, build, test, and learn from their mistakes in order to improve their designs. Come build bridges, balloon-powered cars, robots and more!

**GG17.E2** Date: July 15-26 Cost: $320
Time: 8:30 a.m.-12:30 p.m. Location: Wilde Lake MS

**GG18.E2** Date: July 15-26 Cost: $320
Time: 8:30 a.m.-12:30 p.m. Location: Wilde Lake MS

**GG19.E2** Date: July 15-26 Cost: $320
Time: 8:30 a.m.-12:30 p.m. Location: Wilde Lake MS

Great Adventures in Math, Engineering and Science
Entering Grades 4-5 0 Credit
This class will provide opportunities for students to explore math, engineering, and science through hands-on activities and guest speakers. Constructing projects that spotlight the essentials of physics, students will learn about engineering through Lego Robotics, explore geometry with bubbles, and learn about cryptography with an expert from NSA. This class is designed to empower students to become problem solvers, stimulate interest in these inspiring fields of study, and explore careers related to these topics.

**GG28.E2** Date: July 15-26 Cost: $320
Time: 8:30 a.m.-12:30 p.m. Location: Wilde Lake MS

Paper Engineering and the Art of the Pop-up
Entering Grades 4-5 0 Credit
Designing and constructing pop-up books is a STEAM project that challenges students to think spatially and creatively, while engineering complex paper mechanisms to illustrate a story. The design and construction process allows makers to express their own ideas and creativity and engage the reader. Curriculum provides students with strategies to critically and creatively solve problems through engineering, literacy, and the art of the pop-up.

**GG26.E2** Date: July 15-26 Cost: $320
Time: 8:30 a.m.-12:30 p.m. Location: Wilde Lake MS

**GG27.E2** Date: July 15-26 Cost: $320
Time: 8:30 a.m.-12:30 p.m. Location: Wilde Lake MS

Medical Diagnosis 101
Entering Grades 4-5 0 Credit
Students in this interactive class will work in cooperative groups called “medical clinics” to explore the components and workings of six different systems in the human body: circulatory, respiratory, nervous, digestive, muscular/skeletal, and immune. Students will become experts in their specialties and must pass a “Board Exam” prior to practicing medicine. Within the clinics, students will study the relationship between positive health behaviors and the prevention of injury, illness, and disease. The unit will conclude with “Grand Rounds,” where each clinic team is presented with a patient, and must research and work together to find a diagnosis.

**GG27.E2** Date: July 15-26 Cost: $320
Time: 8:30 a.m.-12:30 p.m. Location: Wilde Lake MS

**GG28.E2** Date: July 15-26 Cost: $320
Time: 8:30 a.m.-12:30 p.m. Location: Wilde Lake MS

Let’s Make Some News
Entering Grades 4-5 0 Credit
In this journalism class, students will conduct a novel study of Holes by Louis Sachar. Through literary analysis, students will create a newspaper based on the novel. The newspaper will include feature stories, editorials, advertisements, comics, and sports. Students will study and implement the many aspects of creating a newspaper, and learn how to write for many different purposes.

**GG29.E2** Date: July 15-26 Cost: $320
Time: 8:30 a.m.-12:30 p.m. Location: Wilde Lake MS
G/T Summer Institutes

G/T General Academics
Session II July 15-26

The World of Computer Programming
Entering Grades 5-6 0 Credit
This class introduces the essential building blocks behind object-oriented programming through creating fun, engaging activities. Students will use a variety of coding applications including MicroWorlds, Scratch (a project from the MIT Media Lab) and Alice (a project from Carnegie Mellon) to apply programming to the creation of interactive games and stories. Students will also explore a variety of computer-related topics including binary, cryptography, computer hardware, and cyber security.

GG35.M2  Date: July 15-26  Cost: $320
Time: 8:30 a.m.-12:30 p.m.  Location: Wilde Lake MS

Math in Art, Art in Math
Entering Grades 5-7 0 Credit
Math is about patterns, and those patterns create art. Learn how creativity is an integral part of discovering mathematics and how you can use mathematics to unlock your artistic potential. From symmetry to tessellations, from origami to number patterns – we will explore the wonders of the universe written in mathematics.

GG39.M2  Date: July 15-26  Cost: $320
Time: 8:30 a.m.-12:30 p.m.  Location: Wilde Lake MS

Young Entrepreneurs
Entering Grades 5-6 0 Credit
Kids love entrepreneurship! It is creative, empowering, and money-making! In this class, students will use their interests and hobbies to design, market and, ultimately, sell a product that they create. They will collaborate on teams as they think creatively, make presentations, act professionally, and learn all of the mathematics necessary for their business to succeed. Students will become familiar with business structures and the science of marketing, while formulating a plan to build and grow their business.

GG36.M2  Date: July 15-26  Cost: $320
Time: 8:30 a.m.-12:30 p.m.  Location: Wilde Lake MS

Enlightened Through Engineering
Entering Grades 5-6 0 Credit
This class provides students with the opportunity to explore the engineering process involved in designing and programming a robot for a real world application. Student teams will learn engineering concepts and problem solving through hands-on projects and computer simulations. The students will use creativity, ingenuity, and technology to develop their final projects.

GG37.M2  Date: July 15-26  Cost: $320
Time: 8:30 a.m.-12:30 p.m.  Location: Wilde Lake MS

Math Gets “Real”
Entering Grades 5-6 0 Credit
Through engaging activities such as creating original architectural plans or designing roadside attractions, math becomes “real.” Students will apply math problem-solving skills to creatively tackle real problems, which incorporate a variety of mathematical concepts such as estimation, geometry measurement, proportional reasoning, probability, fractions, decimals, and statistics.

GG38.M2  Date: July 15-26  Cost: $320
Time: 8:30 a.m.-12:30 p.m.  Location: Wilde Lake MS

Civil Engineering: Mathematics and Problem Solving in the Real World
Entering Grades 6-8 0 Credit
Engineering requires the ability to not only problem-solve but also to create and plan using mathematics. Throughout the course, students will improve upon their mathematical abilities by planning and creating a virtual city. Using problem-based learning, students will work collaboratively to study proportions, ratios, algebra, expository writing, and much more as they explore multiple representations of mathematical scenarios with the ultimate goal of understanding civil engineering.

GG43.M2  Date: July 15-26  Cost: $320
Time: 8:30 a.m.-12:30 p.m.  Location: Wilde Lake MS

The Olympics of Science
Entering Grades 6-8 0 Credit
Based upon the framework of the Maryland Science Olympiad competition, this course features group tasks that require students to research, discover answers to authentic questions and apply engineering design principles. Students will engage in challenges related to engineering, physics, meteorology, herpetology, anatomy and physiology, public health, circuitry, and topography. Embrace the challenge while participating in these friendly team-based “competitions.”

GG46.M2  Date: July 15-26  Cost: $320
Time: 8:30 a.m.-12:30 p.m.  Location: Wilde Lake MS

Model UN
Entering Grades 6-8 0 Credit
The world has challenges–climate change, nuclear proliferation, poverty, and access to health care. The list goes on and on. Our current school-aged generation will be called on to solve many of these global challenges. Model United Nations (MUN) is a program that runs simulations-based exercises to help prepare students to understand and develop solutions to the world’s most challenging problems. Come and be part of the solution!

GG47.M2  Date: July 15-26  Cost: $320
Time: 8:30 a.m.-12:30 p.m.  Location: Wilde Lake MS

The All Around Author
Entering Grades 6-8 0 Credit
How do writers use language to breathe life into their work? Students will explore techniques used by published authors to develop and revise their own pieces of fiction, nonfiction and poetry. This class will incorporate the 6+1 Traits of Writing and narrative brush strokes in order to guide students in creating writing portfolios. Students will utilize peer review to develop a sense of audience and receive constructive feedback. They will also explore a variety of authors’ voices in the process of developing their own unique voices as they reflect on their growth as developing writers.

GG48.M2  Date: July 15-26  Cost: $320
Time: 8:30 a.m.-12:30 p.m.  Location: Wilde Lake MS

SPACE: Destination Mars
Entering Grades 6-8 0 Credit
Be a part of the newest frontier in space travel—a journey to the red planet! Students in SPACE: Destination Mars will study the science of heat shields, working to create the best possible protective shield. Students will also focus on the science of rockets, studying, creating and building the best rocket for distance and accuracy. This class will help students understand the difficulties and pressures of our space program as well as its amazing accomplishments.

GG49.M2  Date: July 15-26  Cost: $320
Time: 8:30 a.m.-12:30 p.m.  Location: Wilde Lake MS

Adventures with Javascript
Entering Grades 6-8 0 Credit
Enjoy the Hour of Code? Move beyond block coding to JavaScript, a popular language for web applications. Students will start out learning the basics of HTML and CSS and then will begin writing scripts using JavaScript. Projects will grow in complexity, including a simple chatbot and an aquarium with moving fish, until students are ready to design and code a project of their own choice. Intended for those new to JavaScript, this course will follow a software development process in which students list a project’s requirements, determine what code features are required, then access resources to learn, write, test and troubleshoot.

GG50.M2  Date: July 15-26  Cost: $320
Time: 8:30 a.m.-12:30 p.m.  Location: Wilde Lake MS

Unlocking the Secrets of Ancient Literature
Entering Grades 6-8 0 Credit
Through Battle Royales, competitive writing, and engaging discussions, students will have a blast unlocking the secrets of the world’s oldest literature! This course will challenge young learners to compare literature from a variety of cultures and time periods to synthesize their thinking, improve their writing, and draw conclusions about the varied, yet similar philosophies of humankind.

GG51.M2  Date: July 15-26  Cost: $320
Time: 8:30 a.m.-12:30 p.m.  Location: Wilde Lake MS
G/T Summer Institutes

G/T Fine Arts
Session I July 1-12

Drawing and Painting
Entering Grades 1-2  0 Credit
This class is designed to expose young artists to various mediums in art, such as paints, pastels and pencils. Students will practice observational skills while working directly from real objects, people, and landscapes. Curriculum is designed to provide an artistically rich environment where students experiment with color mixing, mark-making, balance, composition and shading.
GA01.E1 Date: July 1-12 Cost: $288
Time: 8:30 a.m.-12:30 p.m. Location: Wilde Lake MS

Construct and Sculpt
Entering Grades 1-2  0 Credit
This class is designed for students who have an interest in putting together unusual materials to create three-dimensional objects. Based on individual student needs and strengths, instruction will focus on a variety of exciting and fun ways to problem solve and create original 3-D structures while experimenting with clay, paper, foam core, wire, plaster-craft and papier-mâché using a variety of diverse sculpting techniques.
GA02.E1 Date: July 1-12 Cost: $288
Time: 8:30 a.m.-12:30 p.m. Location: Wilde Lake MS

3-D Art Adventures
Entering Grades 3-5  0 Credit
This course is designed for students who like to build and invent in 3 dimensions. Students will learn and practice various sculpture techniques as they examine various master artists and artistic themes. They will use their artistic skills and creativity to explore hand building, moving parts, armatures, and 3-D miniatures.
GA03.E1 Date: July 1-12 Cost: $288
Time: 8:30 a.m.-12:30 p.m. Location: Wilde Lake MS

The Painter’s Studio
Entering Grades 4-6  0 Credit
This course is designed for students who love to paint, want to improve their painting skills, and/or simply enjoy pushing paint around on a surface. Students will explore how artists paint from life and how they create abstract designs using shape and color. Students will develop their skills using a variety of types of paint from watercolors to acrylic, spray paint to traditional homemade paints.
GA04.E1 Date: July 1-12 Cost: $288
Time: 8:30 a.m.-12:30 p.m. Location: Wilde Lake MS

G/T Fine Arts
Session II July 15-26

Drawing and Painting
Entering Grades 1-2  0 Credit
This class is designed to expose young artists to various mediums in art, such as paints, pastels and pencils. Students will practice observational skills while working directly from real objects, people, and landscapes. Curriculum is designed to provide an artistically rich environment where students experiment with color mixing, mark-making, balance, composition and shading.
GA01.E2 Date: July 15-26 Cost: $288
Time: 8:30 a.m.-12:30 p.m. Location: Wilde Lake MS

Construct and Sculpt
Entering Grades 1-2  0 Credit
This class is designed for students who like to build and invent in 3 dimensions. Students will learn and practice various sculpture techniques as they examine various master artists and artistic themes. They will use their artistic skills and creativity to explore hand building, moving parts, armatures, and 3-D miniatures.
GA02.E2 Date: July 15-26 Cost: $288
Time: 8:30 a.m.-12:30 p.m. Location: Wilde Lake MS

3-D Art Adventures
Entering Grades 3-5  0 Credit
This course is designed for students who like to build and invent in 3 dimensions. Students will learn and practice various sculpture techniques as they examine various master artists and artistic themes. They will use their artistic skills and creativity to explore hand building, moving parts, armatures, and 3-D miniatures.
GA03.E2 Date: July 15-26 Cost: $288
Time: 8:30 a.m.-12:30 p.m. Location: Wilde Lake MS

Artistic Engineering
Entering Grades 6-8  0 Credit
Children with an inclination to build, create, and discover the world outdoors will flourish through Artistic Engineering. This class combines environmental science, social awareness, construction/engineering, and design aesthetics. Students will design and build, photograph through field investigation, explore art creation through physics, and create nature-inspired artworks.
GA20.M1 Date: July 1-12 Cost: $288
Time: 8:30 a.m.-12:30 p.m. Location: Wilde Lake MS

Advanced Drawing and Painting
Entering Grades 6-8  0 Credit
This class is designed to help students further develop observational drawing and painting skills in a traditional method, exploring different genres, including still-life, figure, portraiture, and landscape. Students will work in a large format, using a variety of wet and dry media. Work produced in this course would be suitable for starting a high school visual arts portfolio.
GA21.M2 Date: July 15-26 Cost: $320
Time: 8:30 a.m.-12:30 p.m. Location: Wilde Lake MS

Digital Photography
Entering Grades 6-8  0 Credit
This class will introduce students to the principles of photography, the features and functions of digital cameras, and the instruction for manipulating and enhancing images using Adobe Photoshop. Studio problems are designed to help master photographic techniques and tap into students’ personal experience of the visual world around them. Students will learn how to conceive, develop, and refine images while exploring options in manipulating imagery for expressive purposes.
GA23.M2 Date: July 15-26 Cost: $320
Time: 8:30 a.m.-12:30 p.m. Location: Wilde Lake MS

For more information, see program description on page 14.

Please check the G/T Program website at www.hcps.org/gt for course availability before mailing your registration.

No classes held on July 4 for all programs.
HOWARD COUNTY PUBLIC SCHOOL SYSTEM
2019 Summer Programs Registration Form

This form is for registration for G/T Summer Institutes Mail-in registration ONLY.

Part 1: Biographical Information - (PLEASE PRINT)

Student ID Number: ______________________
Student Last Name: ____________________________________________ First Name: __________________
Student Home Address Street: _________________________________________________________________
City: __________________________________________ State: __________________ Zip: _________________
Parent/Guardian Last Name: __________________________ First Name: ____________________________
Parent/Guardian E-mail: _________________________________________________________________
Home Phone: (_______) __________________________ Work /Cell Phone: (_______) ____________________
Student Ethnicity (check one): Hispanic □ Yes □ No Student Gender: __________ Student’s Birthday: __/__/____
Race/Ethnicity: □ American Indian/Alaskan Native □ Asian □ Black/African American □ Hispanic/Latino
□ Hawaiian or Pacific Islander □ White □ Two or more races
□ Check here if you do not want your child photographed for school system purposes while enrolled in a summer program.
Parent Signature: ___________________________________________________________ Date: __/__/____

Part 2: Class Selection–Refer to this catalog for registration information. Choose only one class per session. Many classes run annually; therefore, please verify whether or not your child has taken the course previously before registering.

Class Number: ______________________________ Class Name: ____________________________________________
Class Number: ______________________________ Class Name: ____________________________________________

All Grades – Is your child receiving Support Services? Attach a copy of your child’s document to this form.
Support Services student is receiving □ IEP □ 504 □ Action Plan (FBA, BIP, etc.)
Did the student receive ESOL Services in the 2018-2019 school year? □ Yes □ No If “Yes,” attach MD Accommodations form.

G/T Summer Institutes only— Has your child participated in any of the following G/T offerings in the 2018-2019 school year? (Check all that apply)
□ G/T Math for Grades 4 and 5 □ G/T Curriculum Extension Units □ G/T Instructional Seminars
□ Type III Research Investigation □ Middle School G/T Content Area Classes □ G/T Saturday Art Program

Payment information–(PLEASE PRINT)

Name on payment: ____________________________________________ Amount: $ __________
Payment type: □ Cash □ Check* □ Money order □ Credit card □ Visa □ Mastercard □ Check#/Money Order #: ________
Credit Card #: __________________________ Exp Date: __/__/____ Security Code #: __________

* Please make your check payable to the Howard County Public School System.

Select your child’s t-shirt size: □ YS □ YM □ YL □ AS □ AM □ AL □ AXL

The HCPSS Finance Office has contracted with Envision Payment Solutions, Inc. for the electronic collection of check payments. If the check is returned unpaid, Envision Payment Solutions, Inc. will assess a $35 fee allowed by Maryland state law and charged as an electronic fund transfer.
HOWARD COUNTY PUBLIC SCHOOL SYSTEM

Summer School Emergency Procedure/Health Information
Please print all information clearly. Provide telephone numbers including area codes.

Current school: __________________________________________ Summer School Site: ____________________

Student’s name: ___________________________________________ Date of birth: __/__/____
Last name First name Middle initial

Street address: _________________________________________________________________________________________________

City: ___________________________________________________________________________ Zip code: ____________________

Home phone: (_____)_________________ Work phone: (_____)_________________ Cell phone: (_____)_________________

Parent/Guardian Name: ____________________________________ Family Primary Language: ___________________________

Family Physician: ___________________________________________ phone: (_____)_________________

Summer School Emergency Notification
List in order of notification. Parent/Guardian will be contacted first unless otherwise specified. Major emergencies will be taken to the nearest hospital.

1. ________________________________________________________________________________________________________
   Name of person Relationship (area code) day time phone number

2. ________________________________________________________________________________________________________
   Name of person Relationship (area code) day time phone number

3. ________________________________________________________________________________________________________
   Name of person Relationship (area code) day time phone number

Other procedures desired: ______________________________________________________________________________________

Summer School Health Information
(FOR HEALTH ROOM USE)

List any health conditions/disabilities: ________________________________________________________________________

List any allergies: __________________________________________________________________________________________

Describe the usual symptoms/reactions or any deviation from the usual reaction: _____________________________

Does your child have any activity restrictions? □Yes □No  If yes, please explain. ______________________________________

Will any medication be needed at school? □Yes □No  If yes, a written order from your Doctor is required. Medication forms are available in any school health room.

• Immunization records for children who have not attended school before must be submitted and reviewed by the school nurse/health assistant prior to the child attending summer school.

• The information you provide will be handled in a confidential manner. Information provided on this form will be reviewed and discussed with staff as necessary to maintain your child’s safety.

• Information provided on this form must be in compliance with Health Services policy and procedure.

Parent/Guardian Signature: ___________________________________________ Date: __/__/_____

For office use only: please make a copy of this form, send original to Health Services Office at ARL. Send copy to the Front Office of student’s summer school.