



2019

Summer Classes and Camps

**Catch up...
Get ahead...
Learn something new!**



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

Summer Institute

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

Innovative Pathways (IP) Summer School

Contact: Alice Giles at InnovativePathways@hcpss.org 410-313-6627

Career Academies Summer Program

Contact: Stephanie Discepolo at stephanie_discepolo@hcpss.org 410-313-7493

Gifted and Talented (G/T) Summer Institutes

Contact: LaDonna Norjen at ladonna_norjen@hcpss.org 410-313-6671

Middle School World Language

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

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.					
	Summer Institute	Innovative Pathways Summer School High School	Career Academies Summer Programs	Gifted and Talented (G/T) Summer Institutes	Middle School World Language
Grades	Entering K-9	Entering 9-12 and current high school students	Entering 7-12	Entering 1-8	Entering Grade 8 ONLY
Dates and Times No class held July 4	July 1-July 26 8:30 a.m.-3 p.m.	See pages 11-12	June 24-28 9 a.m.-3 p.m., with before and after care option	Session I July 1-July 12 8:30 a.m.-12:30 p.m. Session II July 15-July 26 8:30 a.m.-12:30 p.m.	July 1-26 8:30 a.m.-12:15 p.m.
Location	Clarksville Elementary School (K-4) River Hill High School (5-9)	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	Applications and Research Lab (ARL)	Wilde Lake Middle School	River Hill High School
Cost	\$650	\$550 See page 9 for program costs	\$200	Session I \$288 Session II \$320	\$300
Transportation Provided	Yes, community bus stops	No	No	No	No
Contact	Alice Giles 410-313-6627 summer_school@hcpss.org	Alice Giles 410-313-6627 InnovativePathways@hcpss.org	Stephanie Discepolo 410-313-7493 stephanie_discepolo@hcpss.org	LaDonna Norjen 410-313-6671 ladonna_norjen@hcpss.org	Alice Giles 410-313-6627 summer_school@hcpss.org
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	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.	Submit withdrawal request online. See page 14 for more details.	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.

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



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 (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
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

No classes held on July 4 for all programs.

Summer Institute Grades K-4 Academic Courses and ESOL



Summer Institute Grades K-4

0 Credit \$650

**Only full-day enrollment
available**

Dates: July 1-July 26

Time: 8:30 a.m. - 3 p.m.

Location: Clarksville ES

Schedule:

Morning: Academic Courses

Mid Day: Lunch and Recess

Afternoon: Enrichment Courses

Academic Courses 0 Credit

Let's Get Ready for Kindergarten

Entering Kindergarten

This course is for students who will be entering kindergarten this fall. This exciting offering will support school readiness by providing instruction in the seven domains of learning: Language and Literacy, Mathematical Thinking, Scientific Thinking, Social Studies, Personal and Social Development, Physical Development and Health, and the Arts. Each day will include whole group and small group activities. Be advised, registration in this course will not be completed until an enrollment verification for kindergarten in the 2019-2020 school year, or a birth certificate showing a qualifying age, is provided by April 30. (Note: A "qualifying age" requires the student to be age 5 by September 1st of 2019)

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 Enrichment Courses

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

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.

Schedule

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.

STEM

STEM 101

Entering Grades 1-4

This enrichment class reinforces the connection between Science, Technology, Engineering, and Mathematics in solving real life problems. Students will be challenged with a variety of situations requiring them to utilize the engineering design process to solve. Working collaboratively in teams, students will ask questions, investigate, connect information, and create solutions to these situations.

MESA-Mathematics- Engineering Science-Achievement

Entering Grades 3-4

This enrichment class is based on the Maryland MESA Program (www.jhuapl.edu/mesa/home/default.asp). Students will participate in a variety of exploration activities that will place an emphasis on being an active learner. Students will have hands-on opportunities to observe, inquire, question, formulate, analyze data, report, and evaluate discoveries.

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.

Summer Institute Grades 5-9 Enrichment Courses

Summer Institute Grades 5-9

Full-day enrollment only

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.

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.

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.

Summer Institute Grades 5-9 Enrichment Courses *(continued)*

Single Period Classes

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.

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

Middle School World Language

Grade 8 Spanish Program

Entering Grade 8 ONLY 0 Credit

Rising 8th graders who were not enrolled in world language in Grade 7 may enroll in Spanish. Successful completion of this course will prepare students to enroll in the appropriate Grade 8 language course for the 2019-20 school year.

The world language courses will have daily homework tasks assigned. Classes with low enrollment may be cancelled. To avoid cancellation of a course due to low enrollment, early registration is recommended. Students who take this course are eligible to sign up for the Afternoon Enrichment of the Summer Institute for an additional \$350.

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Date: July 1-July 26

Time: 8:30 a.m.-12:15 p.m.

Location: River Hill HS

Morning Course

Cost: \$300

No classes held July 4 for all programs.

For more information on the World Language Program, see page 2.



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.

March 1, beginning at 6 p.m.- March 15, ending at 6 p.m.: All courses listed above plus art, CRD, ESOL, Gear-Up for 9th Grade, Health, Lifetime Fitness, and world language courses.

All course registrations will continue to be available between the 1st and 15th of each month, from April through June, until course sections are filled and any student not placed in a course will be automatically added to applicable course wait lists. Multiple course requests may be submitted for courses occurring at the same time, or courses occurring in both the morning and afternoon.

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.

Payment

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

The ARL, which is an active school site. To ensure student safety, we will follow the same admission protocols as other schools.

Payments will be accepted in the following manner:

Online:

Credit card payments will be accepted online at the registration website.

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
Ellicott 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

General Information for Innovative Pathways High School

Innovative Pathways High School Summer Program

continued

Payment continued

In Person: continued

credit payment. An initial payment of 25 percent is due before the 30th of the month for students registering before May 15.

Final enrollment in courses is pending counselor approval and full tuition payment. For additional information, visit www.hcpss.org/summer/

Summer Graduation

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 would 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.hcpss.org/academics/approvedcourses/

Face-to-Face Courses

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.hcpss.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 Cost: \$550
Time: 7:30 a.m.-12:15 p.m. Location: Hammond HS

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 Cost: \$550
Time: 7:30 a.m.-12:15 p.m. Location: Hammond HS

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 Cost: \$550
Time: 7:30 a.m.-12:15 p.m. Location: Hammond HS

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.hcpss.org/academics/english-language-arts

English 9

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

English 10

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

English 11

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

English 12

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

ESOL

Entering Literacy Development

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

ESOL 9

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

ESOL 10

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

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 Cost: \$550
Time: 7:30 a.m.-12:15 p.m. Location: Hammond HS

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.

Lifetime Fitness

Grades 10-12 .5 Credit
If taking both Health and Lifetime Fitness, total cost is \$550. For Blended Digital Courses, see Page 12.
Session 2

PE-900.8.06 Face-to-Face
Date: July 15-August 2 Cost: \$325
Time: 8 a.m.-12:45 p.m. Location: Atholton HS

Health

Grades 9-12 .5 Credit
If taking both Health and Lifetime Fitness, total cost for courses is \$550. For Blended Digital Courses, see Page 12.
Session 1

HE-900.8.06 Face-to-Face
Date: June 24-July 12 Cost: \$325
Time: 8 a.m.-12:45 p.m. Location: Atholton HS

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.hcpss.org/academics/mathematics/

Algebra I

Grades 9-11 1 Credit
MA-401-1.06 Face-to-Face
Date: June 24-August 2 Cost: \$550
Time: 8 a.m.-12:45 p.m. Location: Atholton HS

Algebra II

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

Algebra II G/T

Grades 9-11 1 Credit
Prerequisite: Geometry G/T
MA-463-1.06 Face-to-Face
Date: June 24-August 2 Cost: \$550
Time: 8 a.m.-12:45 p.m. Location: Atholton HS

Geometry

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

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 Cost: \$550
Time: 8 a.m.-12:45 p.m. Location: Atholton HS

Geometry G/T

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

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 Cost: \$550
Time: 8 a.m.-12:45 p.m. Location: Atholton HS

Innovative Pathways High School Summer Program

Mathematics continued

Trigonometry Honors

Grades 10-12 1 Credit

Prerequisite: Algebra II or Algebra II G/T
MA-521-1.06 Face-to-Face

Date: June 24-August 2 Cost: \$550
Time: 8 a.m.-12:45 p.m. Location: Atholton HS

Science

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

Biology

Grades 10-11 1 Credit

SC-500-1.06 Face-to-Face
Date: June 24-August 2 Cost: \$550
Time: 8 a.m.-12:45 p.m. Location: Atholton HS

Biology G/T

Grades 9-10 1 Credit

SC-515-1.06 Face-to-Face
Date: June 24-August 2 Cost: \$550
Time: 8 a.m.-12:45 p.m. Location: Atholton HS

Chemistry G/T

Grades 10-11 1 Credit

SC-615-1.06 Face-to-Face
Date: June 24-August 2 Cost: \$550
Time: 8 a.m.-12:45 p.m. Location: Atholton HS

Earth and Space Science

Grades 9-10 1 Credit

SC-400-1.06 Face-to-Face
Date: June 24-August 2 Cost: \$550
Time: 8 a.m.-12:45 p.m. Location: Atholton HS

Advanced Physical Science

Grades 10-12 1 Credit

SC-660-1.06 Face-to-Face
Date: June 24-August 2 Cost: \$550
Time: 8 a.m.-12:45 p.m. Location: Atholton HS

Social Studies

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

American Government

Grades 10-12 1 Credit

SO-501-1.06 Face-to-Face
Date: June 24-August 2 Cost: \$550
Time: 7:30 a.m.-12:15 p.m. Location: Hammond HS

Modern World History

Grades 11-12 1 Credit

SO-600-1.06 Face-to-Face
Date: June 24-August 2 Cost: \$550
Time: 7:30 a.m.-12:15 p.m. Location: Hammond HS

United States History

Grades 9-12 1 Credit

SC-401-1.06 Face-to-Face
Date: June 24-August 2 Cost: \$550
Time: 7:30 a.m.-12:15 p.m. Location: Hammond HS

World Languages

Spanish I

Grades 9-12 1 Credit

WL-414-1.06 Face-to-Face
Date: June 24-August 2 Cost: \$550
Time: 7:30 a.m.-12:15 p.m. Location: Hammond HS

Spanish II

Grades 9-12 1 Credit

Prerequisite: Spanish I
WL-414-1.06 Face-to-Face
Date: June 24-August 2 Cost: \$550
Time: 7:30 a.m.-12:15 p.m. Location: Hammond HS

Blended Digital and Fully Online Courses

Blended Digital courses meet face-to-face either Monday, Wednesday, and Friday or Tuesday, Thursday and Friday in the afternoon. The other two days, students will do online work from home. Students must attend a mandatory, in person orientation. Fully online courses are done independently but must be completed by the Summer School Program end date of August 1. Students must attend class for a mandatory orientation (June 24), the midterm (July 12), and the final exam (August 1) at Atholton High School from 1:30pm-4pm.

English

English 9

Grade 9 1 Credit

LA-401-1.BO Blended Digital
Date: June 24-August 1 Cost: \$550
Time: TThF or MWF, 1:30-4 p.m. Location: Atholton HS

English 10

Grade 10 1 Credit

LA-501-1.BO Blended Digital
Date: June 24-August 1 Cost: \$550
Time: TThF or MWF, 1:30-4 p.m. Location: Atholton HS

English 11

Grade 11 1 Credit

LA-601-1.BO Blended Digital
Date: June 24-August 1 Cost: \$550
Time: TThF or MWF, 1:30-4 p.m. Location: Atholton HS

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.

For face-to-face courses, see page 11.

Lifetime Fitness

Grades 10-12 .5 Credit

If taking both Health and Lifetime Fitness, total cost is \$550.

Session 1
PE-900-8.BO Blended Digital
Date: June 24-July 12 Cost: \$325
Time: MWF, 1:30-4 p.m. Location: Atholton HS
TThF, 1:30-4 p.m.

Health

Grades 10-12 .5 Credit

If taking both Health and Lifetime Fitness, total cost is \$550.

Session 2
HE-900-8.BO Blended Digital
Date: July 15-August 1 Cost: \$325
Time: MWF, 1:30-4 p.m. Location: Atholton HS
TThF, 1:30-4 p.m.

Mathematics

Geometry G/T

Grades 9-12 1 Credit

Prerequisite: Algebra I
MA-433-1.06 Blended Digital
Date: June 24-August 1 Cost: \$550
Time: TThF or MWF, 1:30-4 p.m. Location: Atholton HS

Social Studies

Modern World History

Grades 11-12 1 Credit

SO-600-1.BO Blended Digital
Date: June 24-August 1 Cost: \$550
Time: MWF, 1:30-4 p.m. Location: Atholton HS

Modern World History Honors

Grades 11-12 1 Credit

SO-601-1.00 Fully Online
Date: June 24-August 2 Cost: \$550

United States History

Grades 9-12 1 Credit

SO-401-1.BO Blended Digital
Date: June 24-August 1 Cost: \$550
Time: MWF, 1:30-4 p.m. Location: Atholton HS

United States History G/T

Grades 9-12 1 Credit

SO-403-1.00 Fully Online
Date: June 24-August 2 Cost: \$550

Technology Education

Foundations of Technology

Grades 9-12 1 Credit

CT-800-1.BO Blended Digital
Date: June 24-August 1 Cost: \$550
Time: TThF or MWF, 1:30-4 p.m. Location: Atholton HS

Exploring Computer Science

Honors

Grades 9-12 1 Credit

CT-400-1.BO Blended Digital
Date: June 24-August 1 Cost: \$550
Time: TThF or MWF, 1:30-4 p.m. Location: Atholton HS

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.E7

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 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

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.E11

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 more information

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



G/T Summer Institutes

G/T General Academics Session I July 1-July 12

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.E1 Date: July 1-July 12 Cost: \$288
Time: 8:30 a.m.-12:30 p.m. Location: Wilde Lake MS

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

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.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.
GG08.E1 Date: July 1-July 12 Cost: \$288
Time: 8:30 a.m.-12:30 p.m. Location: Wilde Lake MS

Sailing Through Literature

Entering Grades 2-3 0 Credit

This class focuses on developing higher-level vocabulary, comprehension and interpretive thinking skills as students set sail through oceans of exciting literature selections. Instruction explores and navigates noteworthy authors to help students gain a greater understanding of literary style. Students read and respond to stories in creative ways that include imaginative writing activities to enhance their own writing skills.

GG09.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 Cost: \$288
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 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

For more information, see
program description on page 14.

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.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

Mystery Writing: Get a Clue

Entering Grades 4-5 0 Credit

This class is designed to explore how mathematics is woven into the plot of mystery writing. Instruction will focus on learning the basic components of mystery writing. Students will study the works of Blue Balliett, beginning with her award-winning novel, *Chasing Vermeer*. After analyzing Balliett's style, the students will apply their knowledge of mystery writing to write an original, realistic fiction book, using digital photography to record clues.

GG23.E1 Date: July 1-July 12 Cost: \$288
Time: 8:30 a.m.-12:30 p.m. Location: Wilde Lake MS

3,2,1 Blast Off into Outer Space

Entering Grades 4-5 0 Credit

In this class, "young astronauts" will explore the theme of space through science, math, technology, writing, reading, career education and current events. They will learn about America's history in space in order to promote a deeper understanding of the "Space Race" and NASA's future plans involving Mars. Instruction will emphasize problem-solving activities and creativity, as students build rockets and make model space devices.

GG24.E1 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 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

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 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.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.

GG08.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! Who's ready to explore the unknown worlds of Earth's oceans?

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

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

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

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

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

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 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.

GG38.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

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.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

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

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: \$320
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.E2 Date: July 15-26 Cost: \$320
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: \$320
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

No classes held on July 4 for all programs.

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

For more information, see program description on page 14.

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: _____

Current School (2018-2019): _____ School for Fall (2019-2020): _____ Grade (2019-2020): _____

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: _____

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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.**



10910 Clarksville Pike • Ellicott City, MD 21042
www.hcpss.org

The Howard County Public School System does not discriminate on the basis of race, color, national origin, sex, disability or age in its programs and activities, and provides equal access to the Boy/Girl Scouts and other designated youth groups. The following person has been designated to handle inquiries regarding the non-discrimination policies: Manager of Equity Assurance, Howard County Public School System, 10910 Clarksville Pike, Ellicott City, MD 21042, 410-313-6654 (phone), 410-313-1645 (fax). For further information on notice of non-discrimination, visit <http://wdcrobcolp01.ed.gov/CFAPPS/OCR/contactus.cfm> for the address and phone number of the office that serves your area, or call 1-800-421-3481.