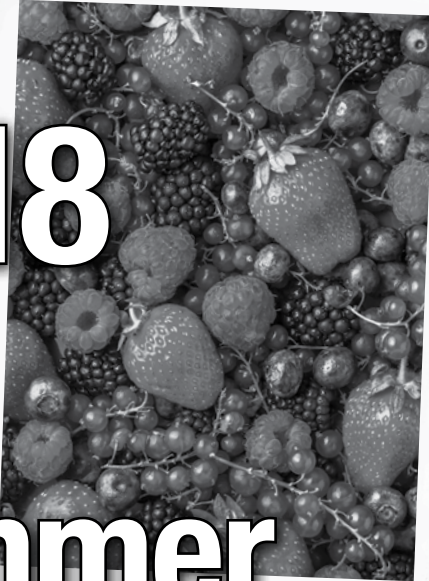


2018

Summer Classes and Camps



**Howard
County**
Public School System



*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, Comprehensive Summer School, and G/T programs. 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 (Formerly the CSS/BSAP 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.

Comprehensive Summer School

Entering Grades 9 through 12 and current seniors - 6 week program, half or full day

The HCPSS Comprehensive 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 – 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 Summer Institutes

Entering Grades 1– 8 - 2 week program, 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 6 or 8 - 4 week program, half or full day

These courses are for students who will be enrolled in Grade 6 Spanish during the 2018-2019 school year and have not had previous Spanish language instruction, or for students entering Grade 8, who were not enrolled in World Language in Grade 7.

Contact Information

Summer Institute

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

Comprehensive Summer School

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

Career Academies Summer Program

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

Gifted and Talented Summer Institutes (G/T)

Contact: LaDonna Norjen at ladonna_norjen@hcpss.org 410-313-7005

World Languages

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

At a Glance Information for Summer Classes and Camps

	Summer Institute	Comprehensive High School	Gifted and Talented (G/T) Summer Institutes	Career Academies Summer Programs
Grades	Entering K-9	Entering 9-12	Entering 1-8	Entering 7-12
Dates and Times No class held June 26 or July 4	July 2-July 27 8:30 a.m.-3 p.m.	See pages 11-12	Session I June 25-July 6 8:30 a.m.-12:30 p.m. Session II July 9-July 20 8:30 a.m.-12:30 p.m.	June 19-22 9 a.m.-3 p.m., with before and after care options
Location	Stevens Forest Elementary (K-4) Oakland Mills High School (5-9)	Math, Science, PE, Health and Blended courses-Atholton High English, ESOL, art, social studies, world languages, Gear Up for Ninth Grade and career courses-Hammond High	Wilde Lake Middle School	Applications and Research Lab (ARL)
Cost	Full Day Session \$600	Original Credit \$550	Session I \$256 Session II \$320	\$175
Transportation Provided	Yes community bus stops	No	No	No
Contact	Alice Giles 410-313-6627 summer_school@hcpss.org	Alice Giles 410-313-6627 summer_school@hcpss.org	LaDonna Norjen 410-313-7005 ladonna_norjen@hcpss.org	Stephanie Discepolo 410-313-7493 stephanie_discepolo@hcpss.org
More Info	See pages 2-8	See pages 9-12	See pages 14-21	See page 13
Registration	Online; in person	Online; In person	By mail only	Online; by mail
Withdrawals/ Refunds	Withdrawal requests before the end of the first week, July 6, will be issued a full refund.	Fri, June 22 - Full refund Mon, June 25 - Thurs, June 28 - Refund of all except greater of \$50 or 20% administrative fee Fri, June 29 - Thurs, July 5 - 50% Refund After Fri July 6 - No refund	Submit withdrawal request online. See page 14 for more details.	Complete and submit Refund Form online before June 8, 2018.
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: Stevens Forest Elementary School
Grades K-4 6045 Stevens Forest Road
Columbia, MD 21045

Location: Oakland Mills High School
Grades 5-9 9410 Kilimanjaro Road
Columbia, MD 21045

Dates: July 2 - July 27

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

Meals: Lunch provided

Transportation:

Community bus stops throughout the county.
Bus schedule to be determined in late May or early June.

Tuition: \$600

Registration Information:

Online Registration:

Registration for Summer Institute will be offered online at www.hcpss.org/summer/.

**February 1; (3 p.m.) -
February 15; 11:59 p.m.)**

Additional online registration dates
March 1-15, April 1-15, May 1-15

Onsite Registration:

Homewood Center
10914 Clarksville Pike
Ellicott City, MD 21042

Thursday, February 1 and
Wednesdays 4:30 p.m.-7 p.m.
March 7, April 18, May 2

Payment

Payments will be accepted in the following manner:

Online:

Credit card payments will be accepted online at the registration website tinyurl.com/HCPSSsi. There will be a 4% processing fee for all online payments.

No classes held on July 4 for all programs.

Mail:

After completing your online registration, send your Registration Payment Form (found on tinyurl.com/HCPSSsi) 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 tinyurl.com/HCPSSsi) to a scheduled onsite registration session with your cash, check, money order, or credit payment.

Final enrollment in courses is pending full tuition payment. For additional information, visit tinyurl.com/HCPSSsi.

Withdrawals/Refunds

Withdrawals and refund requests will only be accepted through the end of the second week of the program, July 13, 2018. If you withdraw before the end of the first week, July 6, you will be issued a full refund. If you withdraw between July 7 and July 13 you will be assessed the higher fee of either \$50 or 20%.

Contact: Alice Giles

Phone: 410-313-6627

Email: summer_school@hcpss.org

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



Summer Institute Grades K-4 and 1-4 ESOL Academic Courses

Summer Institute Grades K-4

0 Credit \$600

Only full-day enrollment available

Dates: July 2-July 27

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

Location: Stevens Forest 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 week will be structured around a theme. Each day will include whole group and small group activities.

Registration requires birth certificate or enrollment verification into kindergarten for the 2018-2019 school year.

SILK.E1

Let's Get Ready for First Grade Entering Grade 1

This course is for students who will have successfully completed kindergarten. Instruction will focus on math, reading, writing, science and personal, and social development. Students will also engage in art and music activities. Instruction will focus on preparing students for first grade.

SIL1.E1

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 or marked above grade level on their report cards. Please be sure to indicate instructional level (on, above, or below) on the registration form.

SIL2.E1



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 or marked above grade level on their report cards. Please be sure to indicate instructional level (on, above, or below) on the registration form.

SIL3.E1

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 or marked above grade level on their report cards. Please be sure to indicate instructional level (on, above, or below) on the registration form.

SIL4.E1

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 2017 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.

SILE.E1

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 2-July 27

Location: Stevens Forest 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.

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.

SILB.E4

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.”

SILL.E4

No classes held on July 4 for all programs.

Space is limited. Register early!

Kiddie Zumba

Entering Kindergarten

This enrichment class is designed to teach kindergarten students basic Zumba moves. The course is taught by a certified Zumba instructor who custom designed the program that blends dance fitness routines with fun games and high energy music.

SILZ.E4

Grades 1-4 Enrichment Courses

Arts

Creative Writing

Entering Grades 1-4

Students will explore different styles of writing, including poetry.

Grade 1: SILW.E1 Grade 3: SILW.E3
Grade 2: SILW.E3 Grade 4: SILW.E2

It's Showtime

Double Period

Entering Grades 3-4

This course is designed to teach students how to bring literature to life in the form of a play. The 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 play at the end of the summer school session. (This is a two period class for students in grades 3-4. Those students will take either a Healthy Living course or STEM course as their third enrichment course, but not both.)

SILI.S1

Visual Art

Entering Grades 1-4

This enrichment class is designed to expose students to various styles of art with an emphasis on African American artists. Students will create drawings, collages, and other mediums that communicate what they understand about a theme or idea.

Grade 1: SILA.E1 Grade 3: SILA.E3
Grade 2: SILA.E3 Grade 4: SILA.E2

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

Vocal Music

Entering Grades 1-4

This enrichment class is designed to enhance students' musical abilities as well as highlight their creative writing abilities. Students will be exposed to music, movement, and the spoken word.

Grade 1: SILV.E1 Grade 3: SILV.E3
Grade 2: SILV.E2 Grade 4: SILV.E2

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 and French. Children will be engaged in songs, games, and other lively activities followed by discussion and reinforcement of skills.

Grade 1: SILG.E2 Grade 3: SILG.E1
Grade 2: SILG.E1 Grade 4: SILG.E2

STEM

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 by beginning their exposure to various applications. Students will learn how to use various applications such as Microsoft PowerPoint, Word, Excel, GAFE, and much more.

SILX.E1

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.”

SILC.E1

For more information, see program description on page 2.

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

Summer Institute Grades K-4 Enrichment Courses continued

Summer Institute Grades K-4 Enrichment Courses continued

Only full-day enrollment available

Dates: July 2-July 27

Location: Stevens Forest 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. Enrollment is based on availability of courses.

STEM

Robotics

Entering Grades 1-4

This course provides an introduction to construct and control robotics for students with no programming background. Students will learn to construct, control robots by investigative and exploration activities.

SILR.E1

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 local outdoor 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.

Grade 3: SILM.E1 Grade 4: SILM.E3

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.

Grade 1: SILF.E2

Grade 4: SILF.E3

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.

SILQ.E1

Magnificent Math Madness

Entering Grades 1-2

Students will play math games one-on-one, in small groups, and as a whole class. Students will earn "math money" as they engage in collaborative teamwork and win math competitions! Students will be able to spend their "math money" each Friday in the student store! Students will make new friendships and learn mathematics through hands-on activities.

Grade 1: SILN.E1

Grade 2: SILN.E2

Healthy Living

Dance

Entering Grades 1-4

Students will be introduced to basic ballet/modern dance movements. 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.

Grade 1: SILD.E1

Grade 3: SILD.E3

Grade 2: SILD.E3

Grade 4: SILD.E2

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.

SILK.E3

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.

SILC.E1

Health/Fitness

Entering Grades 1-4

This enrichment class is designed to give students experiences in a variety of team sports.

Grade 1: SILP.E3

Grade 3: SILP.E2

Grade 2: SILP.E2

Grade 4: SILP.E1

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.

Grade 1: SILH.E3

Grade 3: SILH.E2

Grade 2: SILH.E2

Grade 4: SILH.E1

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.

Grade 1: SILJ.E3

Grade 3: SILJ.E2

Grade 2: SILJ.E2

Grade 4: SILJ.E1

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.

Grade 1: SILQ.E1

Grade 3: SILQ.E3

Grade 2: SILQ.E2

Grade 4: SILQ.E4

Space is limited. Register early!

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

Summer Institute 5-9 Academic and Enrichment Courses

Summer Institute Grades 5-9

0 Credit \$600

Only full-day enrollment available

Dates: July 2-July 27

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

Location: Oakland Mills 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.

SIU5.U1

Morning Course

English for Speakers of Other Languages (ESOL)

Entering Grades 5-8

This course is for students entering Grades 5-8 with a 2017 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 Mathematics. There is a scholarship option available for all ESOL students.

6910.ME

Morning Course

Three Academic Course Program for Entering Grades 6-9

English

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 he/she will take next year. The teachers will engage students in activities that enhance reading and writing interest and skills.

Grade 6:SIUE.U1

Grade 7:SIUE.U2

Grade 8:SIUE.U3

Grade 9:SIUE.U4

Mathematics

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.

6 - SIUM.U1

7 - SIUM.U2

8 - SIUM.U7

Pre-Algebra - SIUM.U3

Geometry - SIUM.U5

Algebra 1 - SIUM.U4

Algebra 2 - SIUM.U6

Social Studies

This year's program offers Grades 6, 7 and 8 Social Studies, American Government, and African-American Studies. Students will be placed in the appropriate class as determined by report card grades or grade level. Teachers will stimulate student interest in social studies and will encourage meaningful dialogue to improve understanding of concepts.

Entering Grade 6: SIUH.U1

Entering Grade 7: SIUH.U2

Entering Grade 8: SIUH.U1

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.

Preserving our Earth and our Future

Entering Grade 9: SIUL.U1

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 mediums that communicate what he or she understands about a theme or an idea.

SIUA.U1

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.

SIUW.U1

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. Placement in this class will be based on the student's mathematics enrollment.

SIUR.U1

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.

SIUF.U1

For more information, see page 2.

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

Space is limited. Register early!

Summer Institute Grades 5-9 Enrichment Courses

Summer Institute Grades 5-9

Only full-day enrollment available

Morning Enrichment courses

(continued)

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.
SIUG.U1

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.
SIUS.U1

Technology

Entering Grades 7-9

This class is intended for students who are interested in learning computer operations including keyboarding, word processing, spreadsheets, desktop presentations, use of the internet, and software integration. Students will apply these technology skills to authentic projects.
SIUT.U1

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.
SIUO.U1

Afternoon Enrichment courses

Double Period Classes (Select one)

Golf

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.
SIUG.U1

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.
SIUB.U1

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.
SIUP.U1

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.
SIUD.U1

Step (Girls only)

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.
SIUV.U1

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.
SIUQ.U1

Single Period Classes (Select two)

Creative Writing

Students will explore various styles of writing to produce a culminating project of their choice.
SIUZ.U1

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. Placement in this class will be based on the student's mathematics enrollment.
SIUK.U1

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.
SIUN.U1

Journalism

This multimedia class will provide students with the opportunity to hone their creative writing and 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.
SIUJ.U1

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.
SIUC.U1

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.
SIUX.U1

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.
SIUY.U1

World Languages

World Languages Jump Start into Middle School Entering Grade 6 ONLY 0 Credit

This course is designed for students who will be enrolled in Grade 6 Spanish during the 2018-19 school year and have not had previous Spanish language instruction. The course is taught in the target language and students will build proficiency in Spanish in order to communicate at the novice level. 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 session of the Summer Institute for an additional \$300.

SIU6.E1

Date: July 2-July 27

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

Morning Course

Cost: \$300

Location: Oakland Mills HS

World Language Program

Entering Grade 8 ONLY 0 Credit

Rising 8th graders who were not enrolled in world language in Grade 7 may enroll in French or Spanish. Successful completion of this course will prepare students to enroll in the appropriate Grade 8 language course for the 2018-19 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 \$300.

6934.FR, 6934.SP

Date: July 2-July 27

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

Morning Course

Cost: \$300

Location: Oakland Mills HS

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

No classes held June 26 or July 4 for all programs.

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



General Information for CSS High School

Comprehensive High School Summer Program

The Howard County Public School System's Comprehensive High School Summer Program is designed to provide students entering Grades 9-12 with either 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

Courses: Mathematics, science, Lifetime Fitness, and health courses

Time: 8 a.m.-12:45 p.m.

Courses: All Blended Courses

Blended Digital Courses:

English 9
English 10
English 11
Health
Lifetime Fitness
Geometry G/T
Modern World History
US History
Exploring Computer Science - Honors
Foundations of Technology

Time: 1:30 p.m.-4 p.m.,
MWF or TThF

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

Courses: English, ESOL, art, social studies, world languages, and career courses

Time: 7:30 a.m.-12:15 p.m.

Dates: Face-to-Face Classes
June 25-August 3
Blended Digital Classes
June 25-August 2
Bridge Program June 25-July 13
Semester Courses
Health and Lifetime Fitness
Face-to-Face and Blended Digital
Session I June 25-July 13
Session II July 16-August 3

Tuition Comprehensive High School

Original Credit	\$550
Lifetime Fitness only	\$325
Health only	\$325
Lifetime Fitness and Health:	\$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 25 at Atholton High School from 1:30-4 p.m.**

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 25, 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 15.

Registration

Online Registration

Registration for Comprehensive Summer School Programs will be offered online at tinyurl.com/hcpsssummerschool

Thursday, February 1 (3 p.m.) – Thursday, February 15 (11:59 p.m.).

Additional online registration dates will occur March, April, May and June 1-15.

Onsite Registration

Homewood Center

10914 Clarksville Pike
Ellicott City, 21042
Wednesdays - 3/7, 4/18, 5/2, 6/13,
4:30 p.m.-7 p.m.
Saturdays - 6/16 and 6/23, 9 a.m.-11 a.m.

Payment

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 tinyurl.com/hcpsssummerschool) 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 tinyurl.com/hcpsssummerschool) to a scheduled onsite registration session with your cash, check, money order, or 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/

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 the 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.

No transportation provided.

Contact: Alice Giles

Phone: 410-313-6627

Email: summer_school@hcpss.org

General Information for CSS High School

Comprehensive High School Summer Program continued

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 tinyurl.com/hcpsssummerschool.

Refund requests will only be accepted through the first week of the program. Full refunds will be given until the third day of the program. Until the end of the first week, refunds will be assessed the greater of \$50 or a 20 percent administrative fee. After the first week, no refund will be issued.

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 12 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. 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. Visit the Comprehensive Summer School registration website for more information. 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 23 for Comprehensive High School 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 2017-18 school year. Students who are in Grade 8 during the 2017-18 school year will have the course listed on their transcript, but the grade will not be factored into their overall GPA. Comprehensive Summer School 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

Meals

Lunches are available every day in the cafeteria.

English Learners (ELLs)

Students taking credit bearing classes who are classified as English Learners (ELLs) 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.

Space is limited. Register early!

No classes held June 26 or July 4 for all programs.

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

Comprehensive High School Summer Program

Comprehensive High School Summer Program Courses

Original, face-to-face courses are listed first. For Digital Blended and Online Courses, please see page 12. Additional course information can be found in the HCPSS Approved High School Course Catalog. www.hcpss.org/academics/approvedcourses/

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 Original
Date: June 25-August 3 **Cost:** \$550
Time: 7:30 a.m.-12:15 p.m. **Location:** Hammond HS

English 10

Grade 10 **1 Credit**
LA-501-1.06 Original
Date: June 25-August 3 **Cost:** \$550
Time: 7:30 a.m.-12:15 p.m. **Location:** Hammond HS

English 11

Grade 11 **1 Credit**
LA-601-1.06 Original
Date: June 25-August 3 **Cost:** \$550
Time: 7:30 a.m.-12:15 p.m. **Location:** Hammond HS

English 12

Grade 12 **1 Credit**
LA-701-1.06 Original
Date: June 25-August 3 **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 Original
Date: June 25-August 3 **Cost:** \$550
Time: 7:30 a.m.-12:15 p.m. **Location:** Hammond HS

ESOL 9

Grade 9 **1 Credit**
EL-401-1.06 Original
Date: June 25-August 3 **Cost:** \$550
Time: 7:30 a.m.-12:15 p.m. **Location:** Hammond HS

ESOL 10

Grade 10 **1 Credit**
EL-501-1.06 Original
Date: June 25-August 3 **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 Original
Date: June 25-August 3 **Cost:** \$550
Time: 7:30 a.m.-12:15 p.m. **Location:** Hammond HS

Health and Physical Education

Lifetime Fitness

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

PE-900.8.06 Session 2 Original
Date: July 16-August 3 **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.

HE-900.8.06 Session 1 Original
Date: June 25-July 13 **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 Original
Date: June 25-August 3 **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 Original
Date: June 25-August 3 **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 Original
Date: June 25-August 3 **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 Original
Date: June 25-August 3 **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 Original
Date: June 25-August 3 **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 Original
Date: June 25-August 3 **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 Original
Date: June 25-August 3 **Cost:** \$550
Time: 8 a.m.-12:45 p.m. **Location:** Atholton HS

Trigonometry Honors

Grades 10-12 **1 Credit**
Prerequisite: Algebra II or Algebra II G/T
MA-521-1.06 Original
Date: June 25-August 3 **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 Original
Date: June 25-August 3 **Cost:** \$550
Time: 8 a.m.-12:45 p.m. **Location:** Atholton HS

Chemistry

Grades 10-12 **1 Credit**
SC-600-1.06 Original
Date: June 25-August 3 **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 Original
Date: June 25-August 3 **Cost:** \$550
Time: 8 a.m.-12:45 p.m. **Location:** Atholton HS

No classes held June 26 or July 4 for all programs.

Comprehensive High School Summer Program

Science continued

Earth and Space Science

Grades 9-10 **1 Credit**
SC-400-1.06 Original
Date: June 25-August 3 **Cost:** \$550
Time: 8 a.m.-12:45 p.m. **Location:** Atholton HS

Environmental Science

Grades 11-12 **1 Credit**
SC-810-1.06 Original
Date: June 25-August 3 **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 Original
Date: June 25-August 3 **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 Original
Date: June 25-August 3 **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 Original
Date: June 25-August 3 **Cost:** \$550
Time: 7:30 a.m.-12:15 p.m. **Location:** Hammond HS

Career Education

The HCPSS career and technology programs are designed to prepare students to be successful in different career fields by providing up-to-date information and hands-on experiences. www.hcpss.org/academics/career-technology-education

Career Research and Development I

Grades 10-12 **1 Credit**
CT-510-1.06 Original
Date: June 25-August 3 **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 Original
Date: June 25-August 3 **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 Original
Date: June 25-August 3 **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 Original
Date: June 25-August 3 **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 Original
Date: June 25-August 3 **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 take a mandatory, in person orientation.

Fully online courses are done independently but must be completed by the Summer School Program end date of August 2. Students must attend class for a mandatory orientation (June 25), the midterm (July 12), and the final exam (August 2) at Atholton High School from 1:30pm-4pm.

English

English 9
Grade 9 **1 Credit**
LA-401-1.80 Blended Digital (Original)
Date: June 25-August 2 **Cost:** \$550
Time: TThF or MWF, 1:30-4 p.m. **Location:** Atholton HS

English 10

Grade 10 **1 Credit**
LA-501-1.80 Blended Digital (Original)
Date: June 25-August 2 **Cost:** \$550
Time: TThF or MWF, 1:30-4 p.m. **Location:** Atholton HS

English 11

Grade 11 **1 Credit**
LA-601-1.80 Blended Digital (Original)
Date: June 25-August 2 **Cost:** \$550
Time: TThF or MWF, 1:30-4 p.m. **Location:** Atholton HS

Mathematics

Geometry G/T
Grades 9-12 **1 Credit**
Prerequisite: Algebra I
MA-433-1.06 Blended Digital (Original)
Date: June 25-August 2 **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-600-1.80 Blended Digital (Original)
Date: June 25-August 2 **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 (Original)
Date: June 25-August 2 **Cost:** \$550

United States History

Grades 9-12 **1 Credit**
SO-401-1.80 Blended Digital (Original)
Date: June 25-August 2 **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 (Original)
Date: June 25-August 2 **Cost:** \$550

Technology Education

Foundations of Technology

Grades 9-12 **1 Credit**
CT-800-1.80 Blended Digital (Original)
Date: June 25-August 2 **Cost:** \$550
Time: TThF or MWF, 1:30-4 p.m. **Location:** Atholton HS

Exploring Computer Science Honors

Grades 9-12 **1 Credit**
CT-400-1.80 Blended Digital (Original)
Date: June 25-August 2 **Cost:** \$550
Time: TThF or MWF, 1:30-4 p.m. **Location:** Atholton HS

Health and Physical Education

For face-to face courses, see page 11.

Lifetime Fitness

Grades 9-12 **.5 Credit**
If taking both Health and Lifetime Fitness, total cost is \$550.

Session 1
PE-900-8.80 Blended Digital (Original)
Date: June 25-July 13 **Cost:** \$325
Time: MWF, 1:30-4 p.m. **Location:** Atholton HS
TThF, 1:30-4 p.m.

Health

Grades 9-12 **.5 Credit**
If taking both Health and Lifetime Fitness, total cost is \$550.

Session 2
HE-900-8.80 Blended Digital (Original)
Date: July 16-August 2 **Cost:** \$325
Time: MWF, 1:30-4 p.m. **Location:** Atholton HS
TThF, 1:30-4 p.m.

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 19-22

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, 2018.

Tuition

\$175 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 12, 2018. A withdrawal/refund form (found online at www.hcpss.org/summer/) must be completed.

Contact: Sally Long

Phone: 410-313-6629

Email: sally_long@hcpss.org

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

Career Academies Summer Programs

June 19–June 22

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 3D printing may be included as components of some of the activities.
GG01.E3

Affiliated Academies: Aerospace Engineering: Project Lead the Way (PLTW), Engineering: Project Lead the Way (PLTW), Systems and Project Engineering

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

Affiliated Academy: Architectural Design

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

Affiliated Academies: Career Research and Development, Academy of Finance

Future Educators Camp

Entering Grades 7-9 0 Credit

Discover your passion to become an Educator at the Future Educators Camp. Explore the world of education through fun activities. Students will create lessons and learn about teaching as a profession.
GG01.E0

Affiliated Academies: Child Development Academy and Teacher Academy

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

Affiliated Academy: Computer Science

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

Affiliated Academies: Culinary, Hotel and Restaurant Management

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

Affiliated Academies: Construction, HVAC

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

Affiliated Academy: Automotive Technology

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

Affiliated Academies: Agricultural Science, Biotechnology, Health Professions

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

Affiliated Academy: Cybersecurity

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

Affiliated Academies: Health Professions, Biotechnology

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 2D computer illustration software. Students will create objects using 3D Modeling Software and interact with their art using Virtual Reality. 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

Affiliated Academies: Animation and Interactive Media, Graphic Design

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 June 25-July 6

(no classes June 26 or July 4)

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

\$256

Session II July 9-July 20

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

\$320

Forms of Payment

- Check or money order (make payable to HCPSS)
- Visa
- Mastercard
- No cash payments accepted.

Register Early!

For students entering Grades 1-8, 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, 2018

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 sent along with additional information, including a Teacher Articulation Form.



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 the 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 9, 2018 will be assessed a 25 percent administrative fee and those received after April 20, 2018 will be assessed a 50 percent administrative fee. Refunds will not be granted after May 1, 2018.**

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 410-313-7005 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 Sharon Gordon at Howard County Recreation and Parks at 410-313-4633. To register call 410-313-7275.

Contact: LaDonna Norjen

Phone: 410-313-7005

Email: ladonna_norjen@hcpss.org

Please visit www.hcpss.org/gt for more information.

No classes held on June 26 and July 4 for all programs.

Please check the G/T Program website at www.hcpss.org/gt for G/T Summer Institutes enrollment status before mailing your registration.

G/T Summer Institutes

G/T General Academics Session I June 25-July 6

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.

GG01.E1 Date: June 25-July 6 **Cost:** \$256
Time: 8:30 a.m.-12:30 p.m. **Location:** Wilde Lake MS

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: June 25-July 6 **Cost:** \$256
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 crime 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.

GG03.E1 Date: June 25-July 6 **Cost:** \$256
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.

GG04.E1 Date: June 25-July 6 **Cost:** \$256
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.

GG05.E1 Date: June 25-July 6 **Cost:** \$256
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!

GG06.E1 Date: June 25-July 6 **Cost:** \$256
Time: 8:30 a.m.-12:30 p.m. **Location:** Wilde Lake MS

Great Adventures in Math, Engineering, and Science

Entering Grades 3-4 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.

GG07.E1 Date: June 25-July 6 **Cost:** \$256
Time: 8:30 a.m.-12:30 p.m. **Location:** Wilde Lake MS

Invitation to Invent

Entering Grades 3-4 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.

GG08.E1 Date: June 25-July 6 **Cost:** \$256
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!

GG09.E1 Date: June 25-July 6 **Cost:** \$256
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. Students will build bridges, balloon-powered cars, robots, and more!

GG10.E1 Date: June 25-July 6 **Cost:** \$256
Time: 8:30 a.m.-12:30 p.m. **Location:** Wilde Lake MS

Code Crackers: Unlocking Mathematical Secrets

Entering Grades 4-5 0 Credit

What does math have to do with codes, ciphers and cryptology? Students in this class will apply mathematics skills and concepts to understand the world of code breaking. They will learn to decode and encode messages based upon existing methods and will develop their own system of messaging. Students will use problem-solving skills and logic to solve a series of problems involving a mysterious message and make decisions about how to encode an answer. Come see how the field of cyber security has been influenced by the "code breakers" of the past and present.

GG11.E1 Date: June 25-July 6 **Cost:** \$256
Time: 8:30 a.m.-12:30 p.m. **Location:** Wilde Lake MS

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website at www.hcpss.org/gt
for G/T Summer Institutes
enrollment status before mailing
your registration.**

**For more information, see
program description on page 14.**

G/T Summer Institutes

G/T General Academics Session I June 25-July 6

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.

GG12.E1 Date: June 25-July 6 **Cost:** \$256
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.

GG13.E1 Date: June 25-July 6 **Cost:** \$256
Time: 8:30 a.m.-12:30 p.m. **Location:** Wilde Lake MS

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.

GG14.E1 Date: June 25-July 6 **Cost:** \$256
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.

GG15.E1 Date: June 25-July 6 **Cost:** \$256
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 system. Each student will become an expert in his or her specialty 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.

GG16.E1 Date: June 25-July 6 **Cost:** \$256
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.

GG30.M1 Date: June 25-July 6 **Cost:** \$256
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.

GG31.M1 Date: June 25-July 6 **Cost:** \$256
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 use problem solving through hands-on projects and computer simulations to learn engineering concepts. The students will use creativity, ingenuity, and technology to develop their final projects.

GG32.M1 Date: June 25-July 6 **Cost:** \$256
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 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!

GG33.M1 Date: June 25-July 6 **Cost:** \$256
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 protection 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.

GG34.M1 Date: June 25-July 6 **Cost:** \$256
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.

GG35.M1 Date: June 25-July 6 **Cost:** \$256
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.

GG36.M1 Date: June 25-July 6 **Cost:** \$256
Time: 8:30 a.m.-12:30 p.m. **Location:** Wilde Lake MS

G/T Summer Institutes

G/T General Academics Session II July 9-July 20

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.

GG17.E2 Date: July 9-July 20 Cost: \$320
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 style. Students read and respond to stories in creative ways that include imaginative writing activities to enhance their own writing skills.

GG18.E2 Date: July 9-July 20 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.

GG19.E2 Date: July 9-July 20 Cost: \$320
Time: 8:30 a.m.-12:30 p.m. Location: Wilde Lake MS

For more information, see
program description on page 14.

If you have questions about the
G/T Summer Institutes, please contact
LaDonna Norjen at 410-313-7005
or ladonna_norjen@hcpss.org

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.

GG20.E2 Date: July 9-July 20 Cost: \$320
Time: 8:30 a.m.-12:30 p.m. Location: Wilde Lake MS

Great Adventures in Math, Engineering and Science

Entering Grades 3-4 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.

GG21.E2 Date: July 9-July 20 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?

GG22.E2 Date: July 9-July 20 Cost: \$320
Time: 8:30 a.m.-12:30 p.m. Location: Wilde Lake MS

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

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!

GG23.E2 Date: July 9-July 20 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.

GG24.E2 Date: July 9-July 20 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 system. Each student will become an expert in his or her specialty 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.

GG25.E2 Date: July 9-July 20 Cost: \$320
Time: 8:30 a.m.-12:30 p.m. Location: Wilde Lake MS

No classes held on June 26 and
July 4 for all programs.

G/T Summer Institutes

G/T General Academics Session II July 9-July 20

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 9-July 20 **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.

GG37.M2 Date: July 9-July 20 **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 9-July 20 **Cost:** \$320
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.

GG39.M2 Date: July 9-July 20 **Cost:** \$320
Time: 8:30 a.m.-12:30 p.m. **Location:** Wilde Lake MS

Science Through Experiment

Entering Grades 5-7 0 Credit

This course will offer students the chance to experience the many different areas of science, including the worlds of Physics, Chemistry, Geology, Forensics, Meteorology and Engineering. Each day will be a different experience within an area of science, offering exploration opportunities that are unique and challenging for students.

GG40.M2 Date: July 9-July 20 **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.

GG41.M2 Date: July 9-July 20 **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 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!

GG42.M2 Date: July 9-July 20 **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 protection 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.

GG43.M2 Date: July 9-July 20 **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.

GG44.M2 Date: July 9-July 20 **Cost:** \$320
Time: 8:30 a.m.-12:30 p.m. **Location:** Wilde Lake MS

Forensic Science: Unlocking the Mysteries of DNA

Entering Grades 6-8 0 Credit

Have you ever wondered how DNA is used in solving crimes? Come learn why DNA is so important to forensic science and how this amazing molecule encodes genetic information. This exciting class will focus on the scientific processes of collecting evidence, conducting fingerprint analysis, and analyzing DNA.

GG45.M2 Date: July 9-July 20 **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.

GG46.M2 Date: July 9-July 20 **Cost:** \$320
Time: 8:30 a.m.-12:30 p.m. **Location:** Wilde Lake MS

**For more information, see
program description on page 14.**

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website at www.hcpss.org/gt for
enrollment status before mailing
your registration.**

G/T Summer Institutes

G/T Fine Arts Courses Session I June 25-July 6

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: June 25-July 6 **Cost:** \$256
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: June 25-July 6 **Cost:** \$256
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: June 25-July 6 **Cost:** \$256
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: June 25-July 6 **Cost:** \$256
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: June 25-July 6 **Cost:** \$256
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.

GA21.M2 Date: June 25-July 6 **Cost:** \$256
Time: 8:30 a.m.-12:30 p.m. **Location:** Wilde Lake MS

G/T Fine Arts Courses Session II July 9-July 20

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 9-July 20 **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 9-July 20 **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 9-July 20 **Cost:** \$320
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. They 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.E2 Date: July 9-July 20 **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.

GA22.M2 Date: July 9-July 20 **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 9-July 20 **Cost:** \$320
Time: 8:30 a.m.-12:30 p.m. **Location:** Wilde Lake MS

**No classes held on June 26 and
July 4 for all programs.**

**Please check the G/T Program
website at www.hcpss.org/gt for
enrollment status before mailing
your registration.**

**If you have questions about the
G/T Summer Institutes, please contact
LaDonna Norjen at 410-313-7005
or ladonna_norjen@hcpss.org**

**For more information, see
program description on page 14.**

2018 Summer Programs Registration Form

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

Part 1: Biographical Information - (PLEASE PRINT)

Student ID Number: _____

Student Last Name: _____ First Name: _____

Grade (2018-2019): _____ Current School (2017-2018): _____ School for Fall (2018-2019): _____

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: ☐ Male ☐ Female

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.

Class Number: _____ Class Name: _____

Class Number: _____ Class Name: _____

All Grades – Is your child receiving Support Services? Attach a copy of your child's document to this form.

Support Services student is receiving ☐ IEP ☐ 504 ☐ Action Plan (FBA, BIP, etc.)

Did the student receive ESOL Services in the 2017-2018 school year? ☐ Yes ☐ No If "Yes," attach MD Accommodations form.

Elementary and Middle – Is your child ☐ on ☐ above ☐ below grade level for Math?

Elementary and Middle – Is your child ☐ on ☐ above ☐ below grade level for Reading?

G/T Summer Institutes only—Has your child participated in any of the following G/T offerings in the 2017-2018 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. The MESA (grades 9-12) program only accepts checks.**

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.

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: _____ Student/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/handicapping conditions**: _____

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.