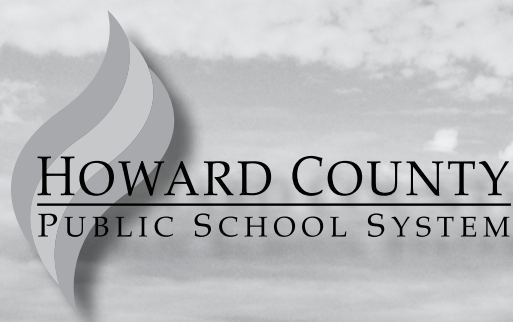


# 2016



# Summer Classes and Camps



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

Look inside for information about review, 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/](http://www.hcpss.org/summer/)

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## Summer Institute

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## Contact Information

*Please contact the specific program office with questions about the classes they offer. If necessary, please leave a message and your call will be returned.*

### Summer Institute

Contact: Jacquelyne Jenkins at [jacquelyne\\_jenkins@hcpss.org](mailto:jacquelyne_jenkins@hcpss.org) ..... 410-313-1598

Contact: Alice Giles at [summer\\_school@hcpss.org](mailto:summer_school@hcpss.org) ..... 410-313-6627

### Blended Courses (Feature both face-to-face and online instruction)

Contact: Alice Giles at [summer\\_school@hcpss.org](mailto:summer_school@hcpss.org) ..... 410-313-6627

### Comprehensive High School Summer Program

Contact: Alice Giles at [summer\\_school@hcpss.org](mailto:summer_school@hcpss.org) ..... 410-313-6627

### Career Academies Summer Program

Contact: Stephanie Discepolo at [stephanie\\_discepolo@hcpss.org](mailto:stephanie_discepolo@hcpss.org) ..... 410-313-7493

### Gifted and Talented Summer Institutes (G/T)

Contact: LaDonna Norjen at [ladonna\\_norjen@hcpss.org](mailto:ladonna_norjen@hcpss.org) ..... 410-313-7005



## 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	MESA
Grades	<b>Entering K-9</b>	<b>Entering 9-12</b>	<b>Entering 1-8</b>	<b>Entering 6-12</b>	<b>Entering 9-12</b>
Dates and Times No class held on July 4	June 27-July 22 8:30 am-3 pm	See pages 11-14	Session I June 27-July 8 8:30 am-12:30 pm Session II July 11-July 22 8:30 am-12:30 pm	June 20-24 9 am-3 pm, with before and after care options	June 27-July 8 8:30 am-3 pm
Location	Cradlerock Elementary (K-4) Lake Elkhorn Middle (5-9)	Math, Science, PE, Health and Blended courses-Howard High English, ESOL, art, social studies, world languages and career courses-Oakland Mills High	Mayfield Woods Middle School	Applications and Research Lab (ARL)	Lake Elkhorn Middle School
Cost	AM Session \$275 Full Day Session \$550	Original Credit \$525 Review Credit \$325	Session I \$270 Session II \$300	\$150	\$300
Transportation Provided	Yes Pre-determined community bus stops for full-day students only	No	No	No	Yes Pre-determined community bus stops
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	Diane Martin 410-313-1524 diane_martin@hcpss.org
More Info	See pages 2, 3-7	See pages 9-10, 11-14	See pages 16, 17-21	See page 15	See page 8
Registration	Online; In person	Online; In person	By mail only	By mail only	By mail only
Withdrawals/ Refunds	Complete and submit Refund Form online before July 5, 2016	Complete and submit Refund Form online before June 25, 2016	See page 16, Withdrawals and Refunds	Complete and mail Refund Form to: ARL 10920 Clarksville Pike Ellicott City 21042 prior to June 19, 2016	Complete and submit Refund Form online before June 20, 2016
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 offers programs for acceleration and enrichment for students entering Kindergarten through Grade 9. This program provides educational opportunities for academic acceleration while elective classes offer students creative and innovative learning experiences.

Students may enroll in acceleration classes in the core academic areas of reading and math.

In the morning, students are provided educational opportunities for enhancement in core instructional areas of reading and math. The afternoon, Session II, 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, healthy lifestyles, world languages, and other project and inquiry-based courses.

## Grades K- 4

**Location:** Cradlerock Elementary School  
6700 Cradlerock Way  
Columbia, 21045

**Directions:** Take 29 to Brokenland Parkway towards Owen Brown. Turn left onto Cradlerock Way. School will be on the right.

**Dates:** June 27 - July 22

**Times:** **AM Session** 8:30 am-11 am  
(Academic courses)  
Lunch and Recess 11 am-12 pm  
**PM Session** 12 pm-3 pm  
(Enrichment courses)

**Meals:** Lunch provided

**Transportation:**  
Pre-determined bus stops for full day session only

**Tuition:**

AM Session	\$275
AM and PM Session	\$550
ESOL AM Session	\$75
ESOL AM and PM	\$350

## Registration Information:

**Onsite Registration:**  
**Homewood Center**  
10914 Clarksville Pike  
Ellicott City, 21042

Wednesdays 4:30 pm-7 pm  
March 2, April 6, May 4, and June 8

Saturdays 9-11 am  
June 11 and June 18

**Online Registration:**  
Registration for Summer Institute will be offered online at [www.hcpss.org/summer/](http://www.hcpss.org/summer/).

**Monday, February 8, 2016 (12:00 am) – Tuesday, March 15, 2016 (11:59 pm).**

Additional online registration dates  
April 1-15, May 1-27

See registration website for possible online dates in June.

**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 [www.hcpss.org/summer/](http://www.hcpss.org/summer/)) along with your check or money order payable to "Howard County Public School System" to:  
HCPSS  
Attn: Summer School Office  
10910 Clarksville Pike  
Ellicott City, MD 21042

**In Person:**  
Bring your Registration Payment Form (found on [www.hcpss.org/summer/](http://www.hcpss.org/summer/)) 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 [www.hcpss.org/summer/](http://www.hcpss.org/summer/)

## Grades 5-9

**Location:** Lake Elkhorn Middle School  
6680 Cradlerock Way  
Columbia, 21045

**Directions:** Take 29 to Brokenland Parkway towards Owen Brown. Turn left onto Cradlerock Way. School will be on the right.

**Dates:** June 27 - July 22

**Times:** **AM Session** 8:30 am-12:15 pm  
(Academic courses)  
Lunch 12:15 pm-1 pm  
**PM Session** 1 pm-3 pm  
(Enrichment courses)

**Tuition:**

AM Session	\$275
AM and PM Session	\$550
ESOL	\$75

## Registration Information:

**Onsite Registration:**  
**Homewood Center**  
10914 Clarksville Pike  
Ellicott City, 21042

Wednesdays 4:30 pm-7 pm  
March 2, April 6, May 4, and June 8

Saturdays 9 am-11 am  
June 11, June 18

**Online Registration:**  
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Additional online registration dates  
April 1-15, May 1-27

See registration website for possible online dates in June.

**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/hcpsssi](http://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](http://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 [www.hcpss.org/summer/](http://www.hcpss.org/summer/)

**Contact:** Alice Giles

**Phone:** 410-313-6627

**Email:** [summer\\_school@hcpss.org](mailto:summer_school@hcpss.org)

No classes held on July 4 (Holiday) for all programs.

Space is limited. Register early!

# Summer Institute K-4 and K-4 ESOL Academic (AM) Session

## Summer Institute Grades K-4

**AM Session 0 Credit \$275**

**AM and PM Sessions  
0 Credit \$550**

**Students can only take PM  
session if enrolled in AM session.**

**AM Session 8:30 am-11 am  
(Academic Courses)**

**Lunch and Recess 11 am-12 pm**

**PM Session 12 pm-3 pm  
(Enrichment Courses)**

**AM Session 0 Credit**

## Let's Get Ready for Kindergarten Entering Kindergarten

This course is for students who will be entering kindergarten this fall. This new and 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.

**SILK.E1 AM Session**  
**Date:** June 27-July 22  
**Time:** 8:30 am-11 am **Location:** Cradlerock ES

## 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 be based on the individual needs of the student and will focus on preparing them for first grade.

**SIL1.E1 AM Session**  
**Date:** June 27-July 22  
**Time:** 8:30 am-11 am **Location:** Cradlerock ES

## 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 AM Session**  
**Date:** June 27-July 22  
**Time:** 8:30 am-11 am **Location:** Cradlerock ES

## 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 AM Session**  
**Date:** June 27-July 22  
**Time:** 8:30 am-11 am **Location:** Cradlerock ES

## 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 AM Session**  
**Date:** June 27-July 22  
**Time:** 8:30 am-11 am **Location:** Cradlerock ES

## Elementary School ESOL Program Grades K-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)

**Grades K-4 0 Credit**  
Students will continue to develop their proficiency in English. Activities will focus on developing the four skills of listening, reading, writing, and speaking English.

**SILE.E1 AM Session**  
**Date:** June 27-July 22 **Cost:** \$75  
**Time:** 8:30 am-11 am **Location:** Cradlerock ES

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

**Space is limited. Register early!**

**No classes held on July 4 (Holiday)  
for all programs.**

# Summer Institute K-4 Enrichment (PM) Session

## Summer Institute Grades K-4

Students can only take PM session if enrolled in AM session.

**AM Session 8:30 am-11 am**  
(Academic Courses)

**Lunch and Recess 11 am-12 pm**

**PM Session 12 pm-3 pm**  
(Enrichment Courses)

### PM Session

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.

## Arts

### Creative Writing

#### Entering Grades 1-4

Students will explore the different styles of writing, including poetry.

Grade 1: SILW.E1 Grade 3: SILW.E3

Grade 2: SILW.E3 Grade 4: SILW.E2

Date: June 27-July 22 Location: Cradlerock ES

### Dance

Students will be introduced to basic ballet/modern dance movements. Emphasis will be placed upon 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 the children's individual interests or developmental levels.

Grade 1: SILD.E1 Grade 3: SILD.E3

Grade 2: SILD.E3 Grade 4: SILD.E2

Date: June 27-July 22 Location: Cradlerock ES

### It's Showtime

#### Entering Grades 1-4

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.

SILI.S1

Date: June 27-July 22

Location: Cradlerock ES

### Visual Art

This enrichment class is designed to expose the 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

Date: June 27-July 22

Location: Cradlerock ES

### Vocal Music

This enrichment class is designed to enhance the music abilities of the students as well as highlight their creative writing abilities. The 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

Date: June 27-July 22

Location: Cradlerock ES

### 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

Date: June 27-July 22

Location: Cradlerock ES

### World Languages

This enrichment class is designed to give children a strong auditory foundation so that they 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.E3

Date: June 27-July 22

Location: Cradlerock ES

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

No classes held on July 4 (Holiday) for all programs.

For more information, see program description on page 2.

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

Space is limited. Register early!



# Summer Institute K-4 Enrichment (PM) Session continued

## Summer Institute Grades K-4

### PM Session continued

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.

## STEM

### 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 1 through 4. Students will be introduced to the 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**

Date: June 27-July 22

Location: Cradlerock ES

### Lego Robotics

#### Entering Grades 1-4

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

**SILR.E1**

Date: June 27-July 22

Location: Cradlerock ES

### Lego Zoo

#### Entering Kindergarten

Lego Zoo allows students to improve developing language skills, math 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 the following of directions, build and test, and "free build."

**SILL.E4**

Date: June 27-July 22

Location: Cradlerock ES

Space is limited. Register early!

## 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](http://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

Date: June 27-July 22

Location: Cradlerock ES

### 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.

Grade 1: SILFE2 Grades 2 and 3: SILFE1

Grade 4: SILFE3

Date: June 27-July 22

Location: Cradlerock ES

### 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, the GAFE and much more.

**SILX.E1**

Date: June 27-July 22

Location: Cradlerock ES

### Water, Water, Everywhere

#### Entering Grades 1-2

In this physical science class, students become scientists to investigate the principles of force and change. In this case, young scientists will examine water and the characteristics of items that sink and float.

**SILQ.E1**

Date: June 27-July 22

Location: Cradlerock ES

### 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

Date: June 27-July 22

Location: Cradlerock ES

## Healthy Living

### Health/Fitness

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

Grade 1: SILPE3 Grade 3: SILPE2

Grade 2: SILPE2 Grade 4: SILPE1

Date: June 27-July 22

Location: Cradlerock ES

### Healthy Foods-Healthy Choices

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: SILHE3 Grade 3: SILHE2

Grade 2: SILHE2 Grade 4: SILHE1

Date: June 27-July 22

Location: Cradlerock ES

### Martial Arts

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: SILJE3 Grade 3: SILJE2

Grade 2: SILJE2 Grade 4: SILJE1

Date: June 27-July 22

Location: Cradlerock ES

### Kiddie Zumba

#### Entering Kindergarten

This enrichment class is designed to teach kindergarten students the 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**

Date: June 27-July 22

Location: Cradlerock ES

### 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: SILQE1

Grade 3: SILQE3

Grade 2: SILQE2

Grade 4: SILQE4

Date: June 27-July 22

Location: Cradlerock ES

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

# Summer Institute 5-9 Academic (AM) Session

## Summer Institute Grades 5-9

**AM Session**      **0 Credit**    **\$275**

### AM and PM Sessions

**0 Credit**    **\$550**

**Students can only take PM session if enrolled in AM session.**

**AM Session 8:30 am-12:15 pm  
(Academic Courses)**

**Lunch 12:15 pm-1 pm**

**PM Session 1 pm-3 pm  
(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.

Students entering Grades 6-9 will take one English course, one mathematics course, and one social studies course in addition to one enrichment course in the morning.

**AM Session**      **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**      **AM Session**  
**Date:** June 27-July 22      **Location:** Lake Elkhorn MS

## 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**  
**Date:** June 27-July 22      **Location:** Lake Elkhorn MS

## Mathematics

All mathematics classes are based on the Maryland College and Career Ready Standards. These practices rest on important processes and proficiencies with longstanding importance in math education. 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. The options include MSM I, MSM II, Pre-Algebra, Algebra I, Geometry, Algebra II or SAT prep Math. All academic classes will be taught by highly qualified teachers with Maryland certification and teaching experience.

**MSM I - SIUM.U1**      **MSM II - SIUM.U2**  
**Pre-Algebra - SIUM.U3**      **Geometry - SIUM.U5**  
**Algebra 1 - SIUM.U4**      **Algebra 2 - SIUM.U6**  
**Date:** June 27-July 22      **Location:** Lake Elkhorn MS

## Social Studies

This year's program offers Grade 6/7 Social Studies, American Government, and African-American Studies. Students will be placed in Grade 6/7 Social Studies, American Government, or African American Studies based on academic need 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**  
**US History (entering grade 9) - SIUH.U3**  
**Date:** June 27-July 22      **Location:** Lake Elkhorn MS

## AM Enrichment courses

**Students will select one class from the choices below. These are 50-minute classes and will be offered in the morning.**

### Art

This class 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**  
**Date:** June 27-July 22      **Location:** Lake Elkhorn MS

### African American Studies

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 the contributions of African Americans.

**SIUW.U1**  
**Date:** June 27-July 22      **Location:** Lake Elkhorn MS

### 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.

**SIUR.U1**  
**Date:** June 27-July 22      **Location:** Lake Elkhorn MS

### Lifetime Fitness and Health

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**  
**Date:** June 27-July 22      **Location:** Lake Elkhorn MS

**Space is limited. Register early!**

**For more information, see program description on page 2.**

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

**No classes held on July 4 (Holiday) for all programs.**



# Summer Institute 5-9 Enrichment (AM-PM) Session

## Summer Institute Grades 5-9

### AM Enrichment courses *continued*

#### MESA Mathematics, Engineering, Science Achievement

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**

**Date:** June 27-July 22      **Location:** Lake Elkhorn MS

#### Spanish

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 so that they will feel comfortable hearing and speaking Spanish. All activities will be followed by discussion and reinforcement of skills.

**SIUS.U1**

**Date:** June 27-July 22      **Location:** Lake Elkhorn MS

#### Technology

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

**SIUT.U1**

**Date:** June 27-July 22      **Location:** Lake Elkhorn MS

#### 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 attorneys, jury members, defendants, prosecutors and witnesses.

**SIUO.U1**

**Date:** June 27-July 22      **Location:** Lake Elkhorn MS

### PM Enrichment courses

Students will select either one double-period class or two single-period classes from the list below. These enrichment classes will be offered in the afternoon.

#### Double Period Classes (Select one)

**Basketball, Drama, Hip Hop Dance, Step**

#### Single Period Classes (Select two)

**Food and Nutrition, Journalism, Photography**

### Double Period Classes

#### 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. The camp will be run by a local HCPSS high school basketball coach.

**SIUB.U1**

**Date:** June 27-July 22      **Location:** Lake Elkhorn MS

#### Drama

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**

**Date:** June 27-July 22      **Location:** Lake Elkhorn MS

#### 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**

**Date:** June 27-July 22      **Location:** Lake Elkhorn MS

#### 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. The instructor brings a wealth of experience and energy to the class and is sure to fully engage students with masterful moves and performance techniques.

**SIUV.U1**

**Date:** June 27-July 22      **Location:** Lake Elkhorn MS

### Single Period Classes

#### Broadcasting

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

**SIUQ.U1**

**Date:** June 27-July 22      **Location:** Lake Elkhorn MS

#### 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**

**Date:** June 27-July 22      **Location:** Lake Elkhorn MS

#### 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**

**Date:** June 27-July 22      **Location:** Lake Elkhorn MS

#### 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**

**Date:** June 27-July 22      **Location:** Lake Elkhorn MS

#### Photography

In this class, 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**

**Date:** June 27-July 22      **Location:** Lake Elkhorn MS

#### 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**

**Date:** June 27-July 22      **Location:** Lake Elkhorn MS

For more information, see  
program description on page 2.

# MESA (Grades 9-12), World Language and Middle School ESOL

## MESA Grades 9-12

### Mathematics, Engineering, Science, Achievement

Grades 9-12 0 Credit

This program offers a summer school program entitled the Biomedical Summer Enrichment Program. Its purpose is to cultivate the next generation of top quality, culturally competent academic physicians and scientists. Students attending the program will learn various aspects of the medical profession and medical specialties. Students will participate in hands-on workshops addressing a range of medical specialties. When students are not engaged in the classroom, they will be taking field trips to colleges and science-related facilities. At the end of the program, students will hold a community fair where they will present research based on medical concerns or health disparities relevant to their community. Past topics have included diabetes, hypertension, obesity, sudden death syndrome and tuberculosis. Please encourage your child to enroll in this dynamic program that will be offered for two weeks at Lake Elkhorn MS from 8:30 am – 3:00 pm. Lunch, transportation and field trip fees have been included in the tuition.

**SIUC.MC** AM-PM Session  
**Date:** June 27-July 8 **Cost: \$300**  
**Time:** 8:30 am - 3 pm **Location:** Lake Elkhorn MS

\* Mail-in registration only for this class.

See registration information on [www.hcpss.org/summer/](http://www.hcpss.org/summer/)

## Middle School Core Courses

### World Language Program

Entering Grade 8 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 2016-17 school year. The world language courses will meet from 8:30 am to 12:15 am with daily homework tasks assigned. Classes with low enrollment may be cancelled. In order 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 PM session of the K-9 program.

**6934.G8** AM Session  
**Date:** June 27-July 22 **Cost: \$275**  
**Time:** 8:30 am - 12:15 pm **Location:** Lake Elkhorn MS

### Jump Start into Middle School Spanish

Entering Grade 6 0 Credit

This course is designed for students who will be enrolled in 6th grade Spanish during the 2016-2017 school year and have not have previous Spanish language instruction who are beginning learners. The course is taught in the target language and students will begin to build proficiency in Spanish in order to communicate at the novice level. Classes with low enrollment may be cancelled. In order 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 PM session of the K-9 program.

**SIU6.E1** AM Session  
**Date:** June 27-July 22 **Cost: \$275**  
**Time:** 8:30 am - 12:15 pm **Location:** Lake Elkhorn MS

## Middle School ESOL Program

### English for Speakers of Other Languages (ESOL)

Entering Grades 5-8 0 Credit

This course is for students entering Grades 5 - 8 with a 2015 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 speaking skills. A portion of each day will specifically focus on Language of Mathematics. Students who take this course are eligible to sign up for the PM session of the K-9 program.

**6910.ME** AM Session  
**Date:** June 27-July 22 **Cost: \$75**  
**Time:** 8:30 am - 12:15 pm **Location:** Lake Elkhorn MS

No classes held on July 4 (Holiday) for all programs.

For more information, see program description on page 2.

If you have questions about the MESA Program, please contact Diane Martin at 410-313-6627. If you have questions about World Languages or ESOL, please contact Alice Giles at 410-313-6627.

Space is limited. Register early!

# 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 and levels, including Mastery, Honors, and G/T.

**Location 1:** Howard High School  
8700 Old Annapolis Road  
Ellicott City, 21043

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

**Time:** 7:30 am-12:15 pm

**Courses:** All Blended Courses

**Time:** 1:30 pm-4 pm, MWF or TThF

### Blended Courses:

English 9  
English 11  
Health  
Lifetime Fitness  
Geometry  
Modern World History  
US History  
Computer Science I - Designing Technology Solutions - Honors  
Foundations of Technology

**Location 2:** Oakland Mills High School  
9410 Kilimanjaro Road  
Columbia, 21045

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

**Time:** 8 am-12:45 pm

**Dates:**

Original Credit	June 20-July 29
Review Credit	June 20-July 15
Review (HSA and World Languages)	July 5-July 29
Mastery	July 5-July 29
ESOL	June 20-July 29
Health Original:	
Face-to-Face	June 20-July 8
Blended	July 11-July 29
Lifetime Fitness Original:	
Face-to-Face	July 11-July 29
Blended	June 20-July 8

### Tuition Comprehensive High School

Original Credit	\$525
Review Credit	\$325
HSA Mastery	Free
Lifetime Fitness only	\$325
Health only	\$325
Lifetime Fitness and Health:	\$525
Career Research and Development II and Site-Based Work Experience (2 Credits)	\$1,050

### Mastery Classes

Mastery classes are designed to assist students needing to pass the high school assessments.

### Original Credit Courses

Students may take an original credit course for the purpose of receiving full credit for the course if he/she has: (1) **never been enrolled** in the course or (2) **previously enrolled in the course and has failed more than two quarters**.

### Review Credit Courses

Students may enroll in a review credit course for the purpose of:

- (1) Earning credit for a course for which he/she previously completed and failed for the year **but passed two or more quarters**
- (2) Earning credit for a course for which he/she was **denied credit** because of attendance
- (3) **repeating a passed course** to increase academic understanding

### Blended Courses

All HCPSS Blended courses (original credit or review credit) 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. 60 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 courses require students to have reliable access to a computer and Internet. If access to reliable internet is a concern, please inform your instructor.**

### Fully Online Courses

There are two fully online courses: English 11 and Modern World History. The online option is only for original credit. **These classes will require one face to face meeting at Howard HS on June 21, 1:30-4 pm.** Teacher will be available for office hours to support students on MWF 1:30-4 pm. 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. **If access to reliable internet is a concern, please inform your instructor.**

### Registration Information

#### Onsite Registration

**Homewood Center**  
10914 Clarksville Pike  
Ellicott City, 21042  
Wednesdays 4:30 pm-7 pm  
March 2, April 6, May 4, and June 8  
Saturdays 9 am-11 am  
June 11 and June 18

### Online Registration

Registration for Comprehensive Summer School Programs will be offered online at [www.hcpss.org/summer/](http://www.hcpss.org/summer/)

**Monday, February 8, 2016 (12:00 am) – Tuesday, March 15, 2016 (11:59 pm).**

Additional online registration dates  
April 1-15, May 1-27, June 1-June 15

See registration website for possible online dates in June.

### 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](http://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](http://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 27.

**Final enrollment in courses is pending counselor approval and full tuition payment.** For additional information, visit [www.hcpss.org/summer/](http://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](mailto: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. ([tinyurl.com/hcpsssummerschool](http://tinyurl.com/hcpsssummerschool)).

Refund requests and applications 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 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, must 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 19 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 and review credit summer courses are documented on the student's transcript and grades are calculated into the overall GPA for the current school year. 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 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 his/her 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](http://howardtransit.com)

### Meals

Lunches are available every day in the cafeteria.

### English Language Learners (ELL)

Students taking credit bearing classes who are classified as English Language Learners (ELLs) may submit appropriate Maryland Accommodations forms, completed by their home school, to the Summer School Office.

### ESOL

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 on July 4 (Holiday) for all programs.

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

# High School Comprehensive English, ESOL, Art, Health and Physical Education

## Comprehensive High School Summer Program Courses

Additional course information can be found in the HCPSS Approved High School Course Catalog. [www.hcpss.org/academics/approvedcourses/](http://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](http://www.hcpss.org/academics/english-language-arts)

#### English 9

**Grade 9 1 Credit**

Students read, synthesize, analyze, and respond to complex literary and informational texts that are thematically connected, such as *Coming of Age and Reflections: Past to Present*.

**1015.06 Original**  
Date: June 20-July 29 Cost: \$525  
Time: 8 am-12:45 pm Location: Oakland Mills HS

**1015.R4 Review**  
Date: June 20-July 15 Cost: \$325  
Time: 8 am-12:45 pm Location: Oakland Mills HS

**1015.B0 Blended (Original)**  
Date: June 20-July 29 Cost: \$525  
Time: TThF, 1:30 pm-4 pm Location: Howard HS

**1015.BR Blended (Review)**  
Date: June 20-July 15 Cost: \$325  
Time: MWF, 1:30 pm-4 pm Location: Howard HS

#### English 10

**Grade 10 1 Credit**

Students read, interpret, and analyze diverse, thematically connected texts to construct oral and written analytical responses.

**1115.06 Original**  
Date: June 20-July 29 Cost: \$525  
Time: 8 am-12:45 pm Location: Oakland Mills HS

**1115.R4 Review**  
Date: July 5-July 29 Cost: \$325  
Time: 8 am-12:45 pm Location: Oakland Mills HS

#### English 11

**Grade 11 1 Credit**

Students explore American literature within the context of the American Dream and analyze an individual character's struggle in the context of confronting social constructs and the ultimate attainment of the American ideal.

**1215.06 Original**  
Date: June 20-July 29 Cost: \$525  
Time: 8 am-12:45 pm Location: Oakland Mills HS

**1215.R4 Review**  
Date: June 20-July 15 Cost: \$325  
Time: 8 am-12:45 pm Location: Oakland Mills HS

**1215.BR Blended (Review)**  
Date: June 20-July 15 Cost: \$325  
Time: MWF, 1:30-4 pm Location: Howard HS

**1215.00 Fully Online (Original)**  
Date: June 20-July 29 Cost: \$525

#### English 12

**Grade 12 1 Credit**

Students enhance their critical reading, writing, and thinking skills, analyzing complex works of major world authors, texts, and styles.

**1315.06 Original**  
Date: June 20-July 29 Cost: \$525  
Time: 8 am-12:45 pm Location: Oakland Mills HS

**1315.R4 Review**  
Date: June 20-July 15 Cost: \$325  
Time: 8 am-12:45 pm Location: Oakland Mills HS

### ESOL

#### Entering Literacy Development

**Grade 9 1 Credit**

This course focuses on reading goals designed for older readers who are learning English as a second language. It includes instruction in the English sound system, decoding, vocabulary development, fluency, and comprehension strategies. Specific objectives are differentiated for the needs of individual students and the cohort of learners. Students earn a World Language credit.

**95191.06 Original**  
Date: June 20-July 29 Cost: \$525  
Time: 8 am-12:45 pm Location: Oakland Mills HS

**95191.R4 Review**  
Date: June 20-July 15 Cost: \$325  
Time: 8 am-12:45 pm Location: Oakland Mills HS

#### English Literature and Composition I

**Grade 9 1 Credit**

This course is appropriate for students with high beginning or low intermediate level proficiency in English. Listening, speaking, reading, and writing skills are emphasized through the analysis and interpretation of literary genres. Students earn English credit.

**9501.06 Original**  
Date: June 20-July 29 Cost: \$525  
Time: 8 am-12:45 pm Location: Oakland Mills HS

**9501.R4 Review**  
Date: June 20-July 15 Cost: \$325  
Time: 8 am-12:45 pm Location: Oakland Mills HS

#### English Literature and Composition II

**Grade 10 1 Credit**

This course is appropriate for students with intermediate level proficiency in English. Listening, speaking, reading, and writing skills are emphasized through the analysis and interpretation of literary genres. Students earn English credit.

**9502.06 Original**  
Date: June 20-July 29 Cost: \$525  
Time: 8 am-12:45 pm Location: Oakland Mills HS

**9502.R4 Review**  
Date: June 20-July 15 Cost: \$325  
Time: 8 am-12:45 pm Location: Oakland Mills HS

### Fine Arts

#### Art I: Foundations of Studio Art

**Grade 9-12 1 Credit**

Art I is the prerequisite course for the high school art program and fulfills the one-credit Fine Arts graduation requirement.

**6000.06 Original**  
Date: June 20-July 29 Cost: \$525  
Time: 8 am-12:45 pm Location: Oakland Mills HS

**6000.R4 Review**  
Date: June 20-July 15 Cost: \$325  
Time: 8 am-12:45 pm Location: Oakland Mills HS

### Health and Physical Education

#### Health

**Grades 9-12 .5 Credit**

This course is designed to help students develop the knowledge, attitudes, and skills to maintain and improve their health now and in the future.

**If taking both Health and Lifetime Fitness, total cost for courses is \$525.**

**7001.06 Original**  
Date: June 20-July 8 Cost: \$325  
Time: 7:30 am-12:15 pm Location: Howard HS

**7001.B0 Blended (Original)**  
Date: July 11-July 29 Cost: \$325  
Time: TThF, 1:30 pm-4 pm Location: Howard HS  
MWF, 1:30 pm-4 pm

#### Lifetime Fitness

**Grades 9-12 .5 Credit**

This course is designed to help students develop physical literacy through the application of health-related fitness concepts to lifelong physical education activities. **If taking both Health and Lifetime Fitness, total cost is \$525.**

**7000.06 Original**  
Date: July 11-July 29 Cost: \$325  
Time: 7:30 am-12:15 pm Location: Howard HS

**7000.B0 Blended (Original)**  
Date: June 20-July 8 Cost: \$325  
Time: TThF, 1:30 pm-4 pm Location: Howard HS  
MWF, 1:30 pm-4 pm

# High School Comprehensive Mathematics

## Mathematics

HCPSS mathematics programs encourage students to practice applying mathematical ways of thinking to real world challenges, require students to think and reason mathematically. [www.hcpss.org/academics/mathematics/](http://www.hcpss.org/academics/mathematics/)

### Algebra I

**Grades 9-11** **1 Credit**

This course focuses on the mastery of five critical areas: relationships between quantities and reasoning with equations, linear and exponential relationships, quadratic functions, descriptive statistics, and modeling with other functions.

<b>3041.06</b>	<b>Original</b>	<b>Cost: \$525</b>
<b>Date:</b> June 20-July 29		<b>Location:</b> Howard HS
<b>Time:</b> 7:30 am-12:15 pm		
<b>3041.R4</b>	<b>Review</b>	<b>Cost: \$325</b>
<b>Date:</b> July 5-July 29		<b>Location:</b> Howard HS
<b>Time:</b> 7:30 am-12:15 pm		

### Algebra II

**Grades 9-12** **1 Credit**

**Prerequisite: Algebra I and Geometry**

This course extends the study of topics introduced in Algebra I. The emphases on linear, quadratic, exponential, logarithmic, polynomial, and rational functions are motivated by data investigations.

<b>330M.06</b>	<b>Original</b>	<b>Cost: \$525</b>
<b>Date:</b> June 20-July 29		<b>Location:</b> Howard HS
<b>Time:</b> 7:30 am-12:15 pm		
<b>330M.R4</b>	<b>Review</b>	<b>Cost: \$325</b>
<b>Date:</b> June 20-July 15		<b>Location:</b> Howard HS
<b>Time:</b> 7:30 am-12:15 pm		

### Algebra II G/T

**Grades 9-11** **1 Credit**

**Prerequisite: Geometry G/T**

This course is for students capable of and interested in progressing through the concepts of Algebra II and enrichment topics at an accelerated rate and in more depth.

<b>331M.06</b>	<b>Original</b>	<b>Cost: \$525</b>
<b>Date:</b> June 20-July 29		<b>Location:</b> Howard HS
<b>Time:</b> 7:30 am-12:15 pm		
<b>331M.R4</b>	<b>Review</b>	<b>Cost: \$325</b>
<b>Date:</b> June 20-July 15		<b>Location:</b> Howard HS
<b>Time:</b> 7:30 am-12:15 pm		

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

## Geometry

**Grades 9-12** **1 Credit**

**Prerequisite: Algebra I**

This course focuses on the development of transformational, Euclidean, and coordinate geometry with extensive real-world application. Students will study logic, inductive and deductive reasoning, geometric definitions, postulates, and the proofs of theorems.

<b>3202.06</b>	<b>Original</b>	<b>Cost: \$525</b>
<b>Date:</b> June 20-July 29		<b>Location:</b> Howard HS
<b>Time:</b> 7:30 am-12:15 pm		
<b>3202.R4</b>	<b>Review</b>	<b>Cost: \$325</b>
<b>Date:</b> June 20-July 15		<b>Location:</b> Howard HS
<b>Time:</b> 7:30 am-12:15 pm		
<b>3202.B0</b>	<b>Blended (Original)</b>	<b>Cost: \$525</b>
<b>Date:</b> June 20-July 29		<b>Location:</b> Howard HS
<b>Time:</b> TThF, 1:30 pm-4 pm		
<b>3202.BR</b>	<b>Blended (Review)</b>	<b>Cost: \$325</b>
<b>Date:</b> June 20-July 15		<b>Location:</b> Howard HS
<b>Time:</b> MWF, 1:30 pm-4 pm		

## Geometry G/T

**Grade 9** **1 Credit**

**Prerequisite: Algebra I**

Students will develop an extensive understanding of the concepts of geometry and an introduction to trigonometry and vectors. Course requirements are rigorous with an emphasis on mathematical reasoning and communication.

<b>322M.06</b>	<b>Original</b>	<b>Cost: \$525</b>
<b>Date:</b> June 20-July 29		<b>Location:</b> Howard HS
<b>Time:</b> 7:30 am-12:15 pm		
<b>322M.R4</b>	<b>Review</b>	<b>Cost: \$325</b>
<b>Date:</b> June 20-July 15		<b>Location:</b> Howard HS
<b>Time:</b> 7:30 am-12:15 pm		

## Mathematical Analysis Honors

**Grades 10-12** **1 Credit**

**Prerequisite: Algebra II or Algebra II G/T**

This provides a foundation for calculus by focusing on graphical analysis. This course emphasizes the use of a graphing calculator.

<b>348M.06</b>	<b>Original</b>	<b>Cost: \$525</b>
<b>Date:</b> June 20-July 29		<b>Location:</b> Howard HS
<b>Time:</b> 7:30 am-12:15 pm		
<b>348M.R4</b>	<b>Review</b>	<b>Cost: \$325</b>
<b>Date:</b> June 20-July 15		<b>Location:</b> Howard HS
<b>Time:</b> 7:30 am-12:15 pm		

No classes held on July 4 (Holiday) for all programs.

For more information, see program description on pages 9-10.

## Mathematical Design

**Grades 9-12** **1 Credit**

**Co-requisite: Concurrent enrollment or successful completion of Common Core Algebra II or Common Core Algebra II GT**

This innovative, problem-based Statistics course engages students in design thinking, research, and collaborative problem solving as tools to investigate mathematical problems in their world. Students will learn how to use the engineering design process and engage with the Common Core Mathematical Practices, Next-Generation Science Standards of Practices, and STEM Standards of Practice. Student teams will leverage technology to build networks of industry experts, community leaders, the mathematics community, and their peers.

<b>3050.06</b>	<b>Original</b>	<b>Cost: \$525</b>
<b>Date:</b> June 20-July 29		<b>Location:</b> Howard HS
<b>Time:</b> 7:30 am-12:15 pm		
<b>3050.R4</b>	<b>Review</b>	<b>Cost: \$325</b>
<b>Date:</b> June 20-July 15		<b>Location:</b> Howard HS
<b>Time:</b> 7:30 am-12:15 pm		

## Pre-Calculus G/T

**Grades 9-11** **1 Credit**

**Prerequisite: Algebra II or Algebra II G/T**

This course extends the concepts of algebra and includes topics in trigonometry; statistics; parametric, polar, trigonometric, and rational functions; data analysis; and sequences and series. This course is for students capable of and interested in progressing through the concepts of pre-calculus at an accelerated rate and in more depth. Course requirements are rigorous and emphasize mathematical reasoning and communication. Graphing calculators are an integral part of this course.

<b>343M.06</b>	<b>Original</b>	<b>Cost: \$525</b>
<b>Date:</b> June 20-July 29		<b>Location:</b> Howard HS
<b>Time:</b> 7:30 am-12:15 pm		
<b>343M.R4</b>	<b>Review</b>	<b>Cost: \$325</b>
<b>Date:</b> June 20-July 15		<b>Location:</b> Howard HS
<b>Time:</b> 7:30 am-12:15 pm		

## Trigonometry Honors

**Grades 10-12** **1 Credit**

**Prerequisite: Algebra II or Algebra II G/T**

This course serves as a foundation for students who will be taking calculus. It focuses on triangle trigonometry, circular functions, coordinate geometry, and trigonometric equations and functions.

<b>345M.06</b>	<b>Original</b>	<b>Cost: \$525</b>
<b>Date:</b> June 20-July 29		<b>Location:</b> Howard HS
<b>Time:</b> 7:30 am-12:15 pm		
<b>345M.R4</b>	<b>Review</b>	<b>Cost: \$325</b>
<b>Date:</b> June 20-July 15		<b>Location:</b> Howard HS
<b>Time:</b> 7:30 am-12:15 pm		



# High School Comprehensive Science and Social Studies

## 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](http://www.hcpss.org/academics/secondary-science)

## Biology HSA Mastery

**Grades 10-12** **.5 Elective Credit**  
Biology HSA Mastery is an elective course for students who have not passed the Biology High School Assessment.

**4102.M4** **Mastery**  
**Date:** July 11-July 29 **Cost:** Free  
**Time:** 7:30 am-12:15 pm **Location:** Howard HS

## Biology

**Grades 10-11** **1 Credit**

This course includes the study of cellular structure, function, and energy transfer; genetics; evolution, diversity and classification; and ecology.

**4101.06** **Original**  
**Date:** June 20-July 29 **Cost:** \$525  
**Time:** 7:30 am-12:15 pm **Location:** Howard HS

**4101.R4** **Review**  
**Date:** July 5-July 29 **Cost:** \$325  
**Time:** 7:30 am-12:15 pm **Location:** Howard HS

## Chemistry

**Grades 10-12** **1 Credit**

This course includes the study of the periodic table, bonding, gases, solutions, organic molecules, and acids and bases.

**420M.06** **Original**  
**Date:** June 20-July 29 **Cost:** \$525  
**Time:** 7:30 am-12:15 pm **Location:** Howard HS

**420M.R4** **Review**  
**Date:** June 20-July 15 **Cost:** \$325  
**Time:** 7:30 am-12:15 pm **Location:** Howard HS

## Chemistry G/T

**Grades 10-11** **1 Credit**

This quantitatively rigorous course emphasizes the concepts of chemistry in more depth and at an accelerated pace.

**421M.06** **Original**  
**Date:** June 20-July 29 **Cost:** \$525  
**Time:** 7:30 am-12:15 pm **Location:** Howard HS

**421M.R4** **Review**  
**Date:** June 20-July 15 **Cost:** \$325  
**Time:** 7:30 am-12:15 pm **Location:** Howard HS

## Earth and Space Science

**Grades 9-10** **1 Credit**

This course includes the study of oceanography, geology, astronomy, meteorology, and geography.

**4001.06** **Original**  
**Date:** June 20-July 29 **Cost:** \$525  
**Time:** 7:30 am-12:15 pm **Location:** Howard HS

**4001.R4** **Review**  
**Date:** June 20-July 15 **Cost:** \$325  
**Time:** 7:30 am-12:15 pm **Location:** Howard HS

## Environmental Science

**Grades 11-12** **1 Credit**

This course is designed to study the interdependence of organisms, populations, and natural resources; renewable and nonrenewable energy resources; and man's impact on the environment.

**4400.06** **Original**  
**Date:** June 20-July 29 **Cost:** \$525  
**Time:** 7:30 am-12:15 pm **Location:** Howard HS

**4400.R4** **Review**  
**Date:** June 20-July 15 **Cost:** \$325  
**Time:** 7:30 am-12:15 pm **Location:** Howard 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](http://www.hcpss.org/academics/secondary-social-studies)

## American Government

**Grades 10-12** **1 Credit**

This course presents a comprehensive study of government, law, and current events at the national, state, and local level.

**2111.06** **Original**  
**Date:** June 20-July 29 **Cost:** \$525  
**Time:** 8 am-12:45 pm **Location:** Oakland Mills HS

**2111.R4** **Review**  
**Date:** July 5-July 29 **Cost:** \$325  
**Time:** 8 am-12:45 pm **Location:** Oakland Mills HS

## Modern World History

**Grades 11-12** **1 Credit**

This course is designed to survey the history of the human experience from the late Middle Ages to the present. Students will learn major events, concepts, and themes from the Western and non-Western traditions.

**2013.06** **Original**  
**Date:** June 20-July 29 **Cost:** \$525  
**Time:** 8 am-12:45 pm **Location:** Oakland Mills HS

**2013.R4** **Review**  
**Date:** June 20-July 15 **Cost:** \$325  
**Time:** 8 am-12:45 pm **Location:** Oakland Mills HS

**2013.BR** **Blended (Review)**  
**Date:** June 20-July 15 **Cost:** \$325  
**Time:** MWF, 1:30-4 pm **Location:** Howard HS

**2013.00** **Fully Online (Original)**  
**Date:** June 20-July 29 **Cost:** \$525

## United States History

**Grades 9-12** **1 Credit**

This course focuses on United States history from 1877 to the present with an emphasis on the reading and interpretation of primary and secondary source documents and the application of knowledge.

**2209.06** **Original**  
**Date:** June 20-July 29 **Cost:** \$525  
**Time:** 8 am-12:45 pm **Location:** Oakland Mills HS

**2209.R4** **Review**  
**Date:** June 20-July 15 **Cost:** \$325  
**Time:** 8 am-12:45 pm **Location:** Oakland Mills HS

**2209.B0** **Blended Original**  
**Date:** June 20-July 29 **Cost:** \$525  
**Time:** TThF, 1:30-4 pm **Location:** Howard HS

**2209.BR** **Blended Review**  
**Date:** June 20-July 15 **Cost:** \$325  
**Time:** MWF, 1:30-4 pm **Location:** Howard HS

**Space is limited. Register early!**

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

**No classes held on July 4 (Holiday) for all programs.**

**For more information, see program description on pages 9-10.**

# High School Comprehensive Career Education and Technology and World Languages

## Technology and 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](http://www.hcpss.org/academics/career-technology-education)

### Computer Science I Designing Technology Solutions - Honors

**Grades 9-12** **1 Credit**

**Prerequisite: Algebra I**

This challenging course provides an introduction to engineering design and development with a focus on software engineering through the use of two computer programming languages—Alice and Java.

**450M.BO** Blended Original **Cost: \$525**  
**Date:** June 20-July 29  
**Time:** TThF, 1:30 pm-4 pm  
or MWF, 1:30 pm-4 pm **Location:** Howard HS  
**450M.BR** Blended Review **Cost: \$325**  
**Date:** June 20-July 15  
**Time:** MWF, 1:30 pm-4 pm **Location:** Howard HS

### Foundations of Technology

**Grades 9-12** **1 Credit**

This course prepares students to understand and apply technological concepts and processes that are the cornerstone of the high school technology education program.

**6751.BO** Blended Original **Cost: \$525**  
**Date:** June 20-July 29  
**Time:** TThF, 1:30 pm-4 pm **Location:** Howard HS  
or MWF, 1:30 pm-4 pm **Location:** Howard HS  
**6751.BR** Blended Review **Cost: \$325**  
**Date:** June 20-July 15  
**Time:** MWF, 1:30 pm-4 pm **Location:** Howard HS

### Career Research and Development I

**Grades 10-12** **1 Credit**

Course content includes: identifying interests and aptitudes; investigating careers; setting goals; understanding the world of work; applying reading and mathematics skills; and using appropriate technology.

**6880.06** Original **Cost: \$525**  
**Date:** June 20-July 29  
**Time:** 8 am-12:45 pm **Location:** Oakland Mills HS  
**6880.R4** Review **Cost: \$325**  
**Date:** June 20-July 15  
**Time:** 8 am-12:45 pm **Location:** Oakland Mills HS

### Career Research and Development II

**Grade 12** **1 Credit**

**Prerequisite: Career Research and Development I; Concurrent enrollment in Site-Based Work Experience**

Course content will include topics such as: assessing progress toward career goals; using interpersonal skills on the job; applying reading and mathematics skills on the job; using computers/technology at the workplace; and financial literacy and money management.

**6881.06** Original **Cost: \$525**  
**Date:** June 20-July 29  
**Time:** 8 am-12:45 pm **Location:** Oakland Mills HS

### Site Based Work Experience

**Grade 12** **2 Credit**

**Prerequisite: Career Research and Development I; Concurrent enrollment in Career Research and Development II**

The CRD teacher/coordinator will coach and assist students as they secure placement based on the results from career research, interest inventories, and aptitude assessments taken in CRD I. The workplace component is a mentored experience with a written, personalized work-based training plan.

**6885.06** Original **Cost: \$525**  
**Date:** June 20-July 29  
**Time:** 8 am-12:45 pm **Location:** Oakland Mills HS  
**6885.R4** Review **Cost: \$325**  
**Date:** June 20-July 15  
**Time:** 8 am-12:45 pm **Location:** Oakland Mills HS

## World Languages

### Spanish I

**Grades 9-12** **1 Credit**

This course introduces students to the language and cultures of the Spanish-speaking world. In Spanish I, students communicate about various topics, such as exchanging greetings, identifying classroom objects, describing family members, telling time, describing weather and seasons, locating places around town, and shopping for clothing.

**5400.06** Original **Cost: \$525**  
**Date:** June 20-July 29  
**Time:** 8 am-12:45 pm **Location:** Oakland Mills HS  
**5400.R4** Review **Cost: \$325**  
**Date:** July 5-July 29  
**Time:** 8 am-12:45 pm **Location:** Oakland Mills HS

### Spanish II

**Grades 9-12** **1 Credit**

**Prerequisite: Spanish I**

This course emphasizes what students are able to do with the language. Students communicate about a variety of topics in past, present, and future tenses. Students study the cultures of the Spanish-speaking world through readings, lectures, discussions, and the use of media and technology.

**5410.06** Original **Cost: \$525**  
**Date:** June 20-July 29  
**Time:** 8 am-12:45 pm **Location:** Oakland Mills HS  
**5410.R4** Review **Cost: \$325**  
**Date:** July 5-July 29  
**Time:** 8 am-12:45 pm **Location:** Oakland Mills HS

**No classes held on July 4 (Holiday) for all programs.**

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

**Space is limited. Register early!**

**For more information, see program description on pages 9-10.**

# 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, Visual Communication/Graphic Design, Culinary Science, Automotive Technology, Biotechnology, Construction Management and Engineering.

### Location

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

### Dates

June 20-24

### Times

9 am-3 pm

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

### Registration

By mail; see [www.hcpss.org/summer/](http://www.hcpss.org/summer/) for application. Must be postmarked by June 1, 2016

### Tuition

\$150 per student

### Before and After Care

Before and after care will be offered from 8-9 am and 3-4 pm. 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/](http://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.

The Scholarship Committee will review the application and notify parents/guardians regarding any gaps in information. See [www.hcpss.org/summer/](http://www.hcpss.org/summer/) for more details.

### Student Withdrawals and Refunds

A student may request a full refund prior to June 19, 2016. A withdrawal/refund form (found online at [www.hcpss.org/summer/](http://www.hcpss.org/summer/)) must be completed and mailed to Applications and Research Lab, Attn.: Stephanie Discepolo, 10920 Clarksville Pike, Ellicott City, MD 21042. See [www.hcpss.org/summer/](http://www.hcpss.org/summer/) for more details.

**Contact:** Stephanie Discepolo

**Phone:** 410-313-7493

**Email:** [stephanie\\_discepolo@hcpss.org](mailto:stephanie_discepolo@hcpss.org)

## Career Academies Summer Programs

### June 20-June 24

#### Computer Graphics and Game Design

**Entering Grades 7-9 0 Credit**

Students will create their own prototype for a 3D game level and work on its advertising. Students will create a character concept art using 2D computer illustration software, use 3D graphics to create a game level, design related logos and packaging, explore game levels using a first person character, and 3D print a game object (time permitting).

**GG01.E1 Date:** June 20-June 24 **Cost:** \$150

**Time:** 9 am-3 pm

**Location:** Applications and Research Lab (ARL)

#### 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 Date:** June 20-June 24 **Cost:** \$150

**Time:** 9 am-3 pm

**Location:** Applications and Research Lab (ARL)

#### A Dive Into Design

**Entering Grades 7-9 0 Credit**

Students will gain an appreciation for architecture and related fields by creating shapes, forms, and structures using hands-on-model building and 3-D software.

**GG01.E3 Date:** June 20-June 24 **Cost:** \$150

**Time:** 9 am-3 pm

**Location:** Applications and Research Lab (ARL)

#### Building for The Future

**Entering Grades 8-10 0 Credit**

Students will learn construction skills and methods that are used for Habitat for Humanity and other community volunteer construction projects.

**GG01.E4 Date:** June 20-June 24 **Cost:** \$150

**Time:** 9 am-3 pm

**Location:** Applications and Research Lab (ARL)

## CyberSTEM Institute

**Entering Grades 8-10 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, computational logic and digital forensics.

**GG01.E5 Date:** June 20-June 24 **Cost:** \$150

**Time:** 9 am-3 pm

**Location:** Applications and Research Lab (ARL)

## Cyber Defense Training

**Entering Grades 10-12 0 Credit**

Students will have the opportunity to expand their knowledge of cybersecurity. It is an intermediate level program for high school students. Technical experience is recommended, including networking, Cisco Academy, and/or Java programming.

**GG01.E6 Date:** June 20-June 24 **Cost:** \$150

**Time:** 9 am-3 pm

**Location:** Applications and Research Lab (ARL)

## 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 technology including a 3D printer.

**GG01.E7 Date:** June 20-June 24 **Cost:** \$150

**Time:** 9 am-3 pm

**Location:** Applications and Research Lab (ARL)

## 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 Date:** June 20-June 24 **Cost:** \$150

**Time:** 9 am-3 pm

**Location:** Applications and Research Lab (ARL)

## 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 Date:** June 20-June 24 **Cost:** \$150

**Time:** 9 am-3 pm

**Location:** Applications and Research Lab (ARL)

**Please check [www.hcpss.org/summer/](http://www.hcpss.org/summer/) for Career Academies enrollment status before mailing your registration.**

**Enrollment is limited to first 25 students who complete form with payment.**



# General Information for G/T Summer Institutes

## Gifted and Talented Summer Institutes for Talent Development

The G/T Summer Institutes provides 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

**Mayfield Woods Middle School**  
7950 Red Barn Way • Elkridge, 21075

### Directions

From Rt 29, exit onto 108 East. Turn left onto Mayfield Avenue. Take a left at Red Barn Way.

### Dates, Times, and Tuition

**Session I** June 27-July 8 (no class July 4)  
8:30 am-12:30 pm  
\$270

**Session II** July 11-July 22  
8:30 am-12:30 pm  
\$300

### 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](http://www.hcpss.org/gt)

### Registration Procedures

Complete the following:

- Registration Form
- Emergency Procedure/Health Information Form
- Payment

Mail to: G/T Summer Institutes  
5451 Beaverkill Road  
Columbia, MD 21044

### Deadline: Postmarked by May 2, 2016

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](http://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

Withdrawal forms are available at [www.hcpss.org/gt](http://www.hcpss.org/gt). Please complete the form and mail to:

G/T Summer Institutes  
Old Cedar Lane  
5451 Beaverkill Road  
Columbia, MD 21044

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 16, 2016 will be assessed a 25 percent administrative fee and those received after May 2, 2016 will be assessed a 50 percent administrative fee. Refunds will not be granted after May 16, 2016.**

### 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 Meals services (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 available on-site at Mayfield Woods Middle School for an additional fee. Please contact the Columbia Association for program specifics, hours of operation, registration procedures, and deadlines at 410-715-3164.

**Contact:** LaDonna Norjen

**Phone:** 410-313-7005

**Email:** [ladonna\\_norjen@hcpss.org](mailto:ladonna_norjen@hcpss.org)

Please visit [www.hcpss.org/gt](http://www.hcpss.org/gt) for more information.

**No classes held on July 4 (Holiday) for all programs.**

**Please check the G/T Program website at [www.hcpss.org/gt](http://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 27-July 8

#### 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.

**GG02.E1** Date: June 27-July 8 Cost: \$270  
Time: 8:30 am-12:30 pm Location: Mayfield Woods 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.

**GG03.E1** Date: June 27-July 8 Cost: \$270  
Time: 8:30 am-12:30 pm Location: Mayfield Woods MS

#### Math Patterns and Problem Solving

##### Entering Grades 2-3 0 Credit

Are you a young mathematician who enjoys the challenge of problem solving? In this class, students will examine patterns and use mathematical reasoning to determine terms and trends. They will also learn multiple strategies to organize and solve complex problems as they investigate advanced mathematical concepts such as algebraic thinking and logical reasoning. This class is an ideal match for the inquisitive learner.

**GG04.E1** Date: June 27-July 8 Cost: \$270  
Time: 8:30 am-12:30 pm Location: Mayfield Woods 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 stories 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 27-July 8 Cost: \$270  
Time: 8:30 am-12:30 pm Location: Mayfield Woods 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.

**GG06.E1** Date: June 27-July 8 Cost: \$270  
Time: 8:30 am-12:30 pm Location: Mayfield Woods 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 goeey 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!

**GG07.E1** Date: June 27-July 8 Cost: \$270  
Time: 8:30 am-12:30 pm Location: Mayfield Woods 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.

**GG08.E1** Date: June 27-July 8 Cost: \$270  
Time: 8:30 am-12:30 pm Location: Mayfield Woods MS

#### Mystery Writing: Get a Clue

##### Entering Grades 4-5 0 Credit

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

**GG09.E1** Date: June 27-July 8 Cost: \$270  
Time: 8:30 am-12:30 pm Location: Mayfield Woods MS

For more information, see  
program description on page 17.

Please check the G/T Program  
website at [www.hcpss.org/gt](http://www.hcpss.org/gt)  
for G/T Summer Institutes  
enrollment status before mailing  
your registration.

No classes held on July 4 (Holiday)  
for all programs.

If you have questions about the  
G/T Summer Institutes, please contact  
LaDonna Norjen at 410-313-7005  
or [ladonna\\_norjen@hcpss.org](mailto:ladonna_norjen@hcpss.org)

# G/T Summer Institutes

## G/T General Academics Session I June 27-July 8

### 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.

**GG10.E1** Date: June 27-July 8 Cost: \$270  
Time: 8:30 am-12:30 pm Location: Mayfield Woods 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.

**GG11.E1** Date: June 27-July 8 Cost: \$270  
Time: 8:30 am-12:30 pm Location: Mayfield Woods 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.

**GG22.M1** Date: June 27-July 8 Cost: \$270  
Time: 8:30 am-12:30 pm Location: Mayfield Woods 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.

**GG23.M1** Date: June 27-July 8 Cost: \$270  
Time: 8:30 am-12:30 pm Location: Mayfield Woods MS

### “It’s All Greek to Me”: The Legacy of Ancient Greece Entering Grades 6-8 0 Credit

How is the past linked to the present? Through an array of dynamic and rigorous hands-on activities, students will explore the Greek influence on sports, medicine, architecture, language arts, civics, and STEM. Students will also have the opportunity to research, prepare, and participate in a Socratic debate.

**GG24.M1** Date: June 27-July 8 Cost: \$270  
Time: 8:30 am-12:30 pm Location: Mayfield Woods 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.

**GG25.M1** Date: June 27-July 8 Cost: \$270  
Time: 8:30 am-12:30 pm Location: Mayfield Woods MS

### The Writer as Artist

#### 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. Students will utilize peer review and writer’s workshop 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 voice as they reflect on their growth as developing writers.

**GG26.M1** Date: June 27-July 8 Cost: \$270  
Time: 8:30 am-12:30 pm Location: Mayfield Woods MS

### Modeling with Minecraft

#### Entering Grades 7-8 0 Credit

Move beyond zombies and TNT in a class for the serious crafter who is ready to use blocks to educate! Inspired by the United Nations, which uses Minecraft to help communities plan public spaces, this class explores 3D modeling of real-world projects using the advanced editing tools available through WorldEdit in MinecraftEDU. Students will develop surveying skills as they recreate familiar structures (classroom and home) in 1:1 scale. Then, students will research and recreate a local landmark, historic sites (Machu Picchu, Taj Mahal), and science projects (solar system, plant/animal cells). Multimedia presentation and public speaking skills will be developed as students use their models to teach others. Expect a research-heavy and STEM-intensive learning experience.

**GG27.M1** Date: June 27-July 8 Cost: \$270  
Time: 8:30 am-12:30 pm Location: Mayfield Woods MS

If you have questions about the G/T Summer Institutes, please contact LaDonna Norjen at 410-313-7005 or [ladonna\\_norjen@hcpss.org](mailto:ladonna_norjen@hcpss.org)

Please check the G/T Program website at [www.hcpss.org/gt](http://www.hcpss.org/gt) for enrollment status before mailing your registration.

No classes held on July 4 (Holiday) for all programs.

For more information, see program description on page 17.



## G/T Summer Institutes

### G/T General Academics Session II July 11-July 22

#### 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.

**GG12.E2** Date: July 11-July 22 Cost: \$300  
Time: 8:30 am-12:30 pm Location: Mayfield Woods 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.

**GG13.E2** Date: July 11-July 22 Cost: \$300  
Time: 8:30 am-12:30 pm Location: Mayfield Woods 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.

**GG14.E2** Date: July 11-July 22 Cost: \$300  
Time: 8:30 am-12:30 pm Location: Mayfield Woods MS

#### Math Patterns and Problem Solving Entering Grades 2-3 0 Credit

Are you a young mathematician who enjoys the challenge of problem solving? In this class, students will examine patterns and use mathematical reasoning to determine terms and trends. They will also learn multiple strategies to organize and solve complex problems as they investigate advanced mathematical concepts such as algebraic thinking and logical reasoning. This class is an ideal match for the inquisitive learner.

**GG15.E2** Date: July 11-July 22 Cost: \$300  
Time: 8:30 am-12:30 pm Location: Mayfield Woods MS

#### You Be the Artist

**Entering Grades 2-3 0 Credit**

This course is designed for students to not only touch on art objectives but also enrich and extend what they have already learned throughout the school year. Through research, active participation, rich conversation, and fun, students will leave this course with a strong knowledge of many famous artists and techniques for which they are famous. They will also create a product in a style similar to each artist that is researched. Students will leave with a strong understanding of the fundamentals of art, including such concepts as motivation for artwork, identification, descriptions of art elements, and analysis of design principals.

**GG16.E2** Date: July 11-July 22 Cost: \$300  
Time: 8:30 am-12:30 pm Location: Mayfield Woods 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.

**GG17.E2** Date: July 11-July 22 Cost: \$300  
Time: 8:30 am-12:30 pm Location: Mayfield Woods MS

#### Totally Mad About Science Entering Grades 3-4 0 Credit

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

**GG18.E2** Date: July 11-July 22 Cost: \$300  
Time: 8:30 am-12:30 pm Location: Mayfield Woods MS

#### Math Gets “Real”

**Entering Grades 4-5 0 Credit**

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

**GG19.E2** Date: July 11-July 22 Cost: \$300  
Time: 8:30 am-12:30 pm Location: Mayfield Woods 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.

**GG20.E2** Date: July 11-July 22 Cost: \$300  
Time: 8:30 am-12:30 pm Location: Mayfield Woods MS

For more information, see  
program description on page 17.

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# G/T Summer Institutes

## G/T General Academics Session II July 11-July 22

### 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.

**GG21.E2** Date: July 11-July 22 Cost: \$300  
Time: 8:30 am-12:30 pm Location: Mayfield Woods 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.

**GG28.M2** Date: July 11-July 22 Cost: \$300  
Time: 8:30 am-12:30 pm Location: Mayfield Woods 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.

**GG29.M2** Date: July 11-July 22 Cost: \$300  
Time: 8:30 am-12:30 pm Location: Mayfield Woods MS

### Environmental Science: Adventure Earth

Entering Grades 5-7 0 Credit

What do a "green roof," offshore drilling, and biodiversity have in common? Come learn about the environment by engaging in fun, hands-on science explorations that examine environmental issues like water, energy, and environmental sustainability. Students in this class will apply the scientific process as they learn how to use a variety of field and laboratory instruments for measuring environmental characteristics and biological sampling.

**GG30.M2** Date: July 11-July 22 Cost: \$300  
Time: 8:30 am-12:30 pm Location: Mayfield Woods MS

### History Detectives

Entering Grades 6-8 0 Credit

Interested in the assassination of Julius Caesar? Curious about what happened to the Lost Colony of Roanoke? Intrigued by the disappearance of the Mayans? In History Detectives, students will research and "solve" a series of historical mysteries/crimes. Using a variety of sources, students will re-create the crime scene and analyze the clues to help solve the crime.

**GG31.M2** Date: July 11-July 22 Cost: \$300  
Time: 8:30 am-12:30 pm Location: Mayfield Woods 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.

**GG32.M2** Date: July 11-July 22 Cost: \$300  
Time: 8:30 am-12:30 pm Location: Mayfield Woods MS

### The Writer as Artist

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. Students will utilize peer review and writer's workshop 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 voice as they reflect on their growth as developing writers.

**GG33.M2** Date: July 11-July 22 Cost: \$300  
Time: 8:30 am-12:30 pm Location: Mayfield Woods MS

### Modeling with Minecraft

Entering Grades 7-8 0 Credit

Move beyond zombies and TNT in a class for the serious crafter who is ready to use blocks to educate! Inspired by the United Nations, which uses Minecraft to help communities plan public spaces, this class explores 3D modeling of real-world projects using the advanced editing tools available through WorldEdit in MinecraftEDU. Students will develop surveying skills as they recreate familiar structures (classroom and home) in 1:1 scale. Then, students will research and recreate a local landmark, historic sites (Machu Picchu, Taj Mahal), and science projects (solar system, plant/animal cells). Multimedia presentation and public speaking skills will be developed as students use their models to teach others. Expect a research-heavy and STEM-intensive learning experience.

**GG34.M2** Date: July 11-July 22 Cost: \$300  
Time: 8:30 am-12:30 pm Location: Mayfield Woods MS

For more information, see  
program description on page 17.

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for enrollment status before mailing  
your registration.

# G/T Summer Institutes

## G/T Fine Arts Courses Session I June 27-July 8

### 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 27-July 8 Cost: \$270  
Time: 8:30 am-12:30 pm Location: Mayfield Woods 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 27-July 8 Cost: \$270  
Time: 8:30 am-12:30 pm Location: Mayfield Woods MS

### Building, Forming and Inventing: Work in Clay and All Things in 3-D

Entering Grades 3-5 0 Credit

This course is designed for students who like to build and invent. Students will learn about sculpture as they explore clay techniques, collect found materials for sculptures, and work with wire. They will use their artistic skills and creativity to explore hand building, mobiles, and 3-D miniatures as they think about moving parts.

**GA03.E1** Date: June 27-July 8 Cost: \$270  
Time: 8:30 am-12:30 pm Location: Mayfield Woods 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 27-July 8 Cost: \$270  
Time: 8:30 am-12:30 pm Location: Mayfield Woods 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.

**GA20.M1** Date: June 27-July 8 Cost: \$270  
Time: 8:30 am-12:30 pm Location: Mayfield Woods MS

### Digital Photography and Adobe Photoshop

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.M1** Date: June 27-July 8 Cost: \$270  
Time: 8:30 am-12:30 pm Location: Mayfield Woods MS

## G/T Fine Arts Courses Session II July 11-July 22

### 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 11-July 22 Cost: \$300  
Time: 8:30 am-12:30 pm Location: Mayfield Woods 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 11-July 22 Cost: \$300  
Time: 8:30 am-12:30 pm Location: Mayfield Woods MS

### Building, Forming and Inventing: Work in Clay and All Things in 3-D

Entering Grades 3-5 0 Credit

This course is designed for students who like to build and invent. Students will learn about sculpture as they explore clay techniques, collect found materials for sculptures, and work with wire. They will use their artistic skills and creativity to explore hand building, mobiles, and 3-D miniatures as they think about moving parts.

**GA03.E2** Date: July 11-July 22 Cost: \$300  
Time: 8:30 am-12:30 pm Location: Mayfield Woods 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 11-July 22 Cost: \$300  
Time: 8:30 am-12:30 pm Location: Mayfield Woods MS

### Artistic Engineering

Entering Grades 6-8 0 Credit

Love STEM but want to incorporate the artistic process? 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 ships to float, photograph contemporary environmental concerns through field investigation, and create nature-inspired artworks.

**GA22.M2** Date: July 11-July 22 Cost: \$300  
Time: 8:30 am-12:30 pm Location: Mayfield Woods MS

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website at [www.hcps.org/gt](http://www.hcps.org/gt) for  
enrollment status before mailing  
your registration.

For more information, see  
program description on page 17.



# 2016 Summer Programs Registration Form

This form to be used for registration for G/T Summer Institutes, Career Academies and MESA (p. 8)  
**Mail-in registration ONLY**

**Part 1: Biographical Information - (PLEASE PRINT)**

Student ID Number: | | | | | | | | | | | | | | | | | |

Student Last Name: \_\_\_\_\_ First Name: \_\_\_\_\_

Grade (2016-17): \_\_\_\_\_ Current School (2015-16): \_\_\_\_\_ School for Fall (2016-17): \_\_\_\_\_

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 2015-16 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 2015-16 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.**

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. \_\_\_\_\_

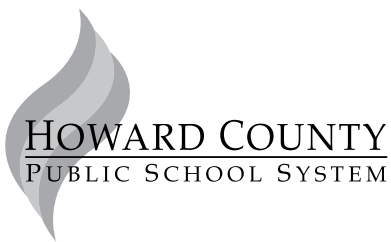
Will any medication be needed at school? Yes No **If yes, a written order from your Doctor is required. Medication forms are available in any school health room.**

- 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](http://www.hcpss.org)

The Howard County Public School System does not discriminate on the basis of race, color, creed, national origin, religion, physical or mental disability, age, gender, marital status, or sexual orientation in matters affecting employment or in providing access to programs. Inquiries concerning the application of Title IX should be referred to: Title IX Coordinator, Office of Equity Assurance, Howard County Public School System at 10910 Clarksville Pike, Ellicott City, MD, 21042, 410-313-6654.