Richard Montgomery High School
Summer Programs
Session 1: June 24 – July 12
Session 2: July 15 – August 2

Ms. Kathryn Broullire, Coordinator
**Sign up for Summer 2.0**

**What:** Summer 2.0 is a hybrid summer school program that blends face-to-face instruction with online learning.

**Who:** Perhaps you are looking to take a course you can’t fit into the traditional school day or need to repeat a course to earn credit? Maybe you want to improve your GPA or get ahead for next semester? Summer 2.0 can work for you!

**How:** Summer 2.0 classes will meet twice a week for in-class instruction, with the rest of instruction being delivered online. Any student needing a device will be provided one.

**Cost:** Each 0.5 credit course is $300. Depending on verification of total household income, payment reduction may be available to students through tuition waivers ($85 or $120). Limited seats are available for this program.

**Expectations:** Summer 2.0 is designed for you to be successful. We EXPECT you to be successful and will provide you with ongoing support in order to complete each course. Only students who are fully committed to doing the work in these courses will be permitted to register.

**Requirements:** You must have a working email address and Internet access. If you are borrowing a device, you must have wireless Internet access.

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**Session 1**

<table>
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<th>June 24th – July 12th</th>
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<tr>
<td>*Classes will meet on July 3 rather than July 4</td>
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**Benefits:**

- Ability to take two classes in 6 weeks!
- Earn credit, get back on track, move ahead, or improve your GPA * per MCPS policy, it must be the same exact course.
- Take classes of interest you might not otherwise fit into your regular school schedule.

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**Session 2**

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<th>July 15th – August 2nd</th>
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<td>*Ceramics meets 3 days/week</td>
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**Session 1**

<table>
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<th>Monday &amp; Thursday</th>
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| Algebra IA and Algebra 2A (combined) |
| Geometry A |
| Honors Geometry A |
| Honors Health |
| Foundations of Computer Science A |
| Foundations of Technology A |
| English 9-12A (combined) |
| Ceramics 1, 2, 3, or 4* |

*May only be taken for students who previously attempted course*
Richard Montgomery High School Summer Programs

**Geometry & Honors Geometry**

A: (0.5 credit): M & Th 6/24 – 7/12  
B: (0.5 credit) M & Th. 7/15 – 8/2

Students explore geometric situations and deepen their understanding of geometric relationships, progressing toward formal mathematical arguments. Instruction at this level will focus on the understanding and application of congruence as a basis for developing formal proofs; the relationships among similarity, trigonometry and triangles; the relationships between two- and three-dimensional objects and their measurements; exploration of geometric descriptions and equations for conic sections; and application of geometric concepts in modeling situations.

**Algebra 1 & Algebra 2 (combined)**

A: (0.5 credit): M & Th 6/24 – 7/12  
B: (0.5 credit) M & Th. 7/15 – 8/2

Algebra 1 is designed to analyze and model real-world phenomena. Exploration of linear, exponential, and quadratic functions forms the foundation of the course. Students develop fluency in solving equations and inequalities. One- and two-variable data sets are interpreted using mathematical models.

In Algebra 2, students build on their Algebra 1 knowledge of linear, quadratic, and exponential functions and extend their repertoire to include polynomial, rational, radical, exponential, and logarithmic functions. Students continue to use mathematical models to solve real-world problems. They use the coordinate plane to apply trigonometry in modeling periodic phenomena. Students synthesize and generalize what they have learned about a variety of function families and explore the effect of transformations on the graphs of diverse functions. Students will also study topics in probability and statistics.
English 9-12 (combined)

A: (0.5 credit): M & Th 6/24 – 7/12  
B: (0.5 credit) M & Th. 7/15 – 8/2

This is a combined and condensed course for students who need to retake an English course. Students will expand their ability to communicate orally and in writing. Students hone their critical reading skills by studying texts closely. Through careful reading and analysis, students learn to consider diverse interpretations of experience that arise out of a wide variety of perspectives.

Honors Health

1st session: (0.5 credit): M & Th 6/24 – 7/12  
2nd session: (0.5 credit) M & Th. 7/15 – 8/2

Students learn health information in the following content areas: mental and emotional health; alcohol, tobacco, and other drugs; personal and consumer health; family life and human sexuality; safety and injury prevention; and disease prevention and control. Students develop lifelong health skills such as accessing information, advocacy, analyzing influences, communication skills, conflict resolution, decision making, goal setting, practicing healthful behaviors, refusal skills and stress management throughout the course. Although this course is required for graduation, parental permission must be specifically provided for students under the age of 18 to participate in the family life and human sexuality and disease prevention and control units.
Foundations of Computer Science

A: (0.5 credit): M & Th 6/24 – 7/12
B: (0.5 credit) M & Th. 7/15 – 8/2

This course provides an engaging introduction to computing concepts. The course focuses on the conceptual ideas of computing so that students understand why computing tools and languages are used to solve problems through a study of human computer interaction, problem solving, web design, programming, data analysis, and robotics. This course satisfies the technology education graduation requirement.

Foundations of Technology

A: (0.5 credit): M & Th 6/24 – 7/12
B: (0.5 credit) M & Th. 7/15 – 8/2

Students will explore and develop a deep understanding of the characteristics and scope of technology and the influence on history, along with the relationships and connections between technology and other fields of study. Students will develop an understanding of the attributes of design and develop skills by using the design process to solve technological problems. Students will develop a positive attitude about safety and skills through research, problem solving, testing, and working collaboratively. This course satisfies the technology education graduation requirement.
**Ceramics 1, 2, 4, or 4 (combined)**

1st session only: (0.5 credit): **M, Tu & Th 6/24 – 7/12**

Ceramics 1: Students learn basic hand-building techniques and glazing processes. Ceramics 2: Students create original artwork inspired by natural and historically significant ceramic forms. Ceramics 3: Students study the works of contemporary potters and sculptors in terms of form, finish, and conceptual statement. Students create a series of forms that reflect a common source or theme. Ceramics 4: Students will synthesize and adapt approaches to using ceramic and sculpture media, techniques, and processes to develop a personal style and voice. They will pursue an artistic investigation to create a body of three-dimensional artwork that expresses personal voice by exploring perceptions, experiences, and knowledge.

**Please note this class meets three times/week to account for studio time.**
For more information about RMHS’s Summer 2.0 program and registration:

- See your school counselor
- See Mrs. Broullire – Room 36
  - Email: Kathryn_O_Broullire@mcpsmd.org
  - Phone: 301.610.8072
- Visit Summer 2.0 Webpage:
  https://www.montgomeryschoolsmd.org/schools/rmhs/students/summerprograms.aspx

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