SUMMER YOUTH PROGRAMS

Workforce Development and Continuing Education | Summer 2021

Affordable, practical, and convenient classes at locations throughout Montgomery County, Maryland

Registration is Open

montgomerycollege.edu/wdce | 240-567-5188
Welcome to another great summer!

Dear Parents,

Welcome to Montgomery College Youth Programs Summer 2021! What a year it has been. We have all probably learned to be more resilient and flexible. We also have tried to become predictors of the future, more unknown now than at any other time.

The majority of summer 2021 camps are virtual. We have been monitoring the vaccine development and rollout. As of today, there is only one vaccine that is being tested on children, and none is approved. For this reason, we decided to hold almost all of our camps virtually. However, we do have hope, and because of this, we are offering a limited amount of camps in-person the weeks of August 2 and August 9.

Whether your children would benefit from an introduction to a new subject, a way to help determine what they might want to do as a career, study/success strategies, or more about something they know and enjoy, we welcome the opportunity to have them join us this summer.

From back to front, the Summer 2021 Youth Programs brochure has many new programs in addition to your favorites! A sample of those we have added include:

- More camps approved for Student Service Learning (SSL) hours.
- More STEAM offerings for a variety of ages.
- New GURL Power camps to encourage STEAM for girls.
- More study and life skill camps.
- Wonderful reading and writing camps including new book club options and the opportunity to see how books are transformed into movies.
- Career exploration including entrepreneurship, interior design, photography and graphic design.
- Movement camps to help keep active during virtual learning.
- Return of the popular Black Rocket, Etiquette School of Maryland, Yang Academy, Milner Educational Consultant, Abrakadoodle, Circus and Future Resource Learning camps.

These are just a few. So, look at the more than 250 offerings and remember that we are here to answer any questions you have; simply contact us at YouthProgramsDirector@montgomerycollege.edu. We look forward to our virtual summer and are grateful that we get to spend some time with your children.

Thank you,
Mary Mukherjee
Senior Program Director
Montgomery College Youth Programs

Mary Mukherjee
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**General Information**

**Registering Your Student**

*New registration system coming February, 2021! Details to follow.*

**Residency Policy**

The following are general guidelines taken from the College policy on residency for tuition purposes. A complete copy of the policy is available in the Montgomery College Catalog.

- Students attending Montgomery College will pay tuition according to their residency.
- To qualify as a resident of the state of Maryland for tuition purposes, legal domicile must have been maintained for a period not less than three months prior to the first regularly scheduled class.
- Non-Maryland residents (NMR) pay Out-of-State Fees. (Non-U.S. Citizens: attach a copy of your passport, visa, or permanent resident card.) Non-Maryland residents and Non-U.S. Citizens without a passport, visa, or permanent resident card must pay a $25.00 per course out-of-state fee for youth offerings.

**CampDocs (Mandatory)**

Montgomery College Youth Programs uses Camp Docs to maintain all the emergency information, health information, and other camp related forms. This is where you will also find permission forms, handbooks and maps of the campus. It is our hope that this will streamline the paperwork required for your child. A few days after registration, you will receive an e-mail from campdocs.com with instructions on how to enter this information into the system. You will only enter this information once per child. All information is required before your child can attend camp.

**Cancellation Policy**

Courses may be cancelled due to under-enrollment at least five (5) business days prior to the start of course or program. Students will be notified of cancellation by phone or e-mail and a refund will be processed for the total cost of course(s). Refunds will take approximately three (3) weeks to be processed. There are no refunds for scholarship students who do not attend if they have not notified us at least two (2) weeks in advance of the specific camp for which the scholarship has been awarded.

**Communication**

Youth Programs uses e-mail to communicate with the parents of registered students about specific program information. Please be sure your e-mail address is current and that you check it regularly. Until you know that you can receive our e-mail notifications, also check your SPAM folder. Parents without an e-mail address will receive information by phone and/or mail.

**Class Transfer and/or Refund Policy: Youth Programs Only**

**Refund Policy**

- Withdrawal from camp up to and including 21 days prior to the start of the camp—Full Refund
- Withdrawal from a camp less than 21 days prior to the camp—No Refund
- If a camp is administratively cancelled you will receive a full refund.

**Transfer Policy**

- If you wish to change camps up to 22 days before the camp begins, please go into the registration system, withdraw from the current class and register for the new camp.
- If you wish to change camps less than 22 days before the camp begins, please contact the Youth Program office at YouthProgramsDirector@montgomerycollege.edu. These requests will be reviewed individually, and a transfer may or may not be approved.

**Disability Support Services**

Montgomery College Youth Programs is committed to providing accessible education and a supportive learning environment for all students. To help us meet this goal, the college offers support through the WDCE Disability Support Services Office. Parents submit pertinent information via campdocs.com. After completing the appropriate information on campdocs.com, parents are to contact counselor Natalie Martinez at Natalie.martinez@montgomerycollege.edu or 240-567-4118 at least two weeks before the start of the program to arrange for reasonable accommodations. MC does not provide medical assistants or care attendants. Campers must exhibit independence and ability for self care. Parents are not permitted to attend camp with their child. The exception to this is for those attending an Intergenerational Program specifically designed for youth accompanied by adult(s).
Health Service

For camps in-person on campus only.
Montgomery College instructors and staff cannot administer any medication, prescription or non-prescription (over the counter), to students. If a student needs to take medication during the program, you need to have the Medication Administration Authorization Form for each medication completed by your child's physician indicating that they can self-administer. This form will be uploaded to CampDocs.com.

Prescription medications must be in the original containers bearing a pharmacy label that shows the (a) Prescription number, (b) Date filled, (c) Authorized prescriber's name, (d) Name of the medication, (e) Directions for use, and (f) Patient's name. Non-prescription medications must be in the original containers and include the directions for use.

All medications, except emergency medications like Epi-pens or inhalers, must be brought to the Youth Programs Office to be kept in a secured, locked storage compartment, and stored under the conditions specified by the manufacturer of the medication. Students may only carry emergency medications, like Epi-pens and inhalers, while attending their classes. A student who is self-administering medication will be supervised by a staff member who will ensure the directions provided are followed. The staff member will also be informed of the side and/or toxic effects of the medication.

The Youth Programs’ Registered Nurse will contact the parents of any student with allergies or health issues to discuss concerns and develop an action plan for faculty and staff use. A student may not participate in a camp activity until this process is complete.

Drop-off and Pick-up Procedures

For in-person camps, you will be notified of the drop-off and pick-up procedures at least one week before camp begins. The procedures will be based on the Maryland Department of Health guidelines.

Behavior

All students, regardless of disability/challenge (e.g. physical, learning, psychological, emotional, behavioral, etc.) or medical condition, must abide by the rules and regulations of the Montgomery College Code of Conduct (see terms and conditions), including exhibiting classroom behavior that allows for a student environment free from harassment, discrimination, and disruption. We understand that some students require additional assistance to meet that standard, and we will determine if reasonable accommodations can be provided that will allow for the successful delivery of instruction to all students in the class. (Check the appropriate question on the registration form and you will be contacted in advance of the class/program or contact us directly.) Behavior contrary to the College’s Code of Conduct cannot be tolerated and may result in expulsion. There is no refund granted as a result of expulsion. In accordance with Title IX of the Education Amendments, Montgomery College prohibits sex discrimination, including sexual misconduct. When made aware of possible discrimination, the College will take prompt action to end the sexual misconduct, prevent its recurrence, and remedy its effects. To report Sexual Misconduct concerns contact: Christopher Moy, Director of ADA & Title IX Compliance, Office of Compliance, Risk, and Ethics at Montgomery College, 240-567-5412.

DO NOT BRING electronic devices, knives, firearms, matches, lighters, or expensive cameras to the program. Cell phones are not permitted to be used in classrooms; they must be turned off or set on vibrate.

The College and its staff are not responsible for lost or misplaced smart phones, tablets, laptops, and/or any other electronic devices owned by student.

Contributions to Our Youth Scholarship Fund

Take advantage of this easy way to make a tax-deductible contribution to the College’s Youth Scholarship Fund by writing an amount on the Registration Form. You will receive a donation receipt from the Montgomery College Foundation acknowledging your contribution. Remember your contribution helps children who would not otherwise have access to these challenging and exciting learning opportunities.

Student Service Learning Hours

Student Service Learning (SSL) hours are earned in some of our sessions. Approval for SSL hours is reflected in the course description for approved camps. For these camps, the SSL form will be printed on the back of the certificate given to students on the last day. To receive all approved SSL hours for the camp, the student must have 100% attendance.

Campus Maps

For maps of Montgomery College Campuses, visit https://www.montgomerycollege.edu/about-mc/campuses-and-locations/
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<td>Drawsters—Drawing Upon the Imagination</td>
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<td>6/28–7/2</td>
<td>1–3 p.m.</td>
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<td>12–14</td>
<td>6/28–7/2</td>
<td>1–4 p.m.</td>
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<td>8–11</td>
<td>6/28–7/2</td>
<td>9:30 a.m.–12:30 p.m.</td>
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<td>6/28–7/2</td>
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<td>Rocket Kart Racers: Design a Mario Kart Style Game</td>
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<td>6/28–7/2</td>
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<td>6/28–7/2</td>
<td>1:30–4:30 p.m.</td>
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<td>Drawsters—Cartoon Creations</td>
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<td>7/5–7/9</td>
<td>9:30–11:30 a.m.</td>
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<td>1:30–4:30 p.m.</td>
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<td>Roald Dahl: Novel to Film</td>
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<td>7/5–7/16</td>
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<td>ROBLOX® Makers</td>
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SSL = Student Service Learning Hours
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<td>7/12–7/16</td>
<td>9 a.m.–12 p.m.</td>
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<td>7/12–7/16</td>
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<td>7/12–7/16</td>
<td>2–4 p.m.</td>
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<td>Comedy, Improv and Playwriting Camp</td>
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<td>Creating Charitable Discussions: The Psychology of SSL</td>
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<td>9 a.m.–12 p.m.</td>
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<td>1–4 p.m.</td>
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<td>Drawsters—Who’s That Character?</td>
<td>6–10</td>
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<td>Battle Royale: Make Your First Fortnite Style Video Game</td>
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<td>Drawsters—I Like to Move It!</td>
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<td>Explore the Magic of Reading, Writing and Technology</td>
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<td>Forward-Thinking Interior Design</td>
<td>11–17</td>
<td>7/19–7/23</td>
<td>9 a.m.–4 p.m.</td>
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<td>Future Chefs</td>
<td>8–14</td>
<td>7/19–7/23</td>
<td>2–3:30 p.m.</td>
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<td>Geometry</td>
<td>12–14</td>
<td>7/19–7/23</td>
<td>1–4 p.m.</td>
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<td>Legal Eagles II: Advanced Trials</td>
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<td>Let’s Hiit It! Summer Camp</td>
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<td>3–4 p.m.</td>
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<td>Mastering Writing Techniques</td>
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<td>9 a.m.–12 p.m.</td>
<td>M–F</td>
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<td>Photography, beyond the iPhone</td>
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<td>7/19–7/23</td>
<td>1–4 p.m.</td>
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<td>Pokemon® Masters: Designers &amp; 3D Makers Unite!</td>
<td>8–11</td>
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<td>Science Art &amp; Craft Adventures</td>
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<td>7/20/7/22</td>
<td>12:30–1:30 p.m.</td>
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<td>7/19–7/23</td>
<td>2–4 p.m.</td>
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<td>App.IO: Make Your First Multiplayer App!</td>
<td>8–11</td>
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<td>Code Your Own Adventure! Interactive Storytelling</td>
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<td>1–4 p.m.</td>
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<td>Drawsters—EZ Draw</td>
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<td>7/26–7/30</td>
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<td>Drawsters—I Like to Move It!</td>
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SSL = Student Service Learning Hours
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<td>Legal Eagles: Trial by Jury</td>
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<td>2–4 p.m.</td>
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<td>Virtual Reality: The Future is Now</td>
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### Starting the week of August 2

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<td>Budding Chef</td>
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<td>9 a.m.–3:30 p.m.</td>
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<td>1–4 p.m.</td>
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SSL = Student Service Learning Hours
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<td>8–10</td>
<td>8/9–8/13</td>
<td>1–4 p.m.</td>
<td>M–F</td>
<td>43</td>
</tr>
<tr>
<td>Desserts, Desserts!</td>
<td>11–13</td>
<td>8/9–8/13</td>
<td>9:30 a.m.–12:30 p.m.</td>
<td>M–F</td>
<td>40</td>
</tr>
<tr>
<td>Digital Illustration</td>
<td>11–14</td>
<td>8/9–8/13</td>
<td>2–3:30 p.m.</td>
<td>M–F</td>
<td>39</td>
</tr>
<tr>
<td>Drawsters—Geometric Wonders</td>
<td>11–17</td>
<td>8/9–8/13</td>
<td>1–3 p.m.</td>
<td>M–F</td>
<td>28</td>
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<tr>
<td>Drawsters—Sketcher Kids</td>
<td>6–10</td>
<td>8/9–8/13</td>
<td>9:30–11:30 a.m.</td>
<td>M–F</td>
<td>29</td>
</tr>
<tr>
<td>Dreaming of the Future Camp</td>
<td>11–17</td>
<td>8/9–8/13</td>
<td>9 a.m.–3:30 p.m.</td>
<td>M–F</td>
<td>29</td>
</tr>
<tr>
<td>Financial Tips and Tricks: Get Ready for Adulthood</td>
<td>11–13</td>
<td>8/9–8/13</td>
<td>9 a.m.–12 p.m.</td>
<td>M–F</td>
<td>18</td>
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<tr>
<td>Financial Tips and Tricks: Get Ready for Adulthood</td>
<td>14–17</td>
<td>8/9–8/13</td>
<td>1–4 p.m.</td>
<td>M–F</td>
<td>18</td>
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<tr>
<td>Forensic Investigations</td>
<td>14–17</td>
<td>8/10–8/12</td>
<td>9 a.m.–12 p.m.</td>
<td>T, W, R</td>
<td>18</td>
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<tr>
<td>Geometry</td>
<td>12–14</td>
<td>8/9–8/13</td>
<td>1–4 p.m.</td>
<td>M–F</td>
<td>43</td>
</tr>
<tr>
<td>It’s a Museum City</td>
<td>6–10</td>
<td>8/9–8/13</td>
<td>9 a.m.–12 p.m.</td>
<td>M–F</td>
<td>19</td>
</tr>
<tr>
<td>Minecraft Modders</td>
<td>8–11</td>
<td>8/9–8/13</td>
<td>9:30 a.m.–12:30 p.m.</td>
<td>M–F</td>
<td>34</td>
</tr>
<tr>
<td>Minecraft Modders</td>
<td>11–14</td>
<td>8/9–8/13</td>
<td>1:30–4:30 p.m.</td>
<td>M–F</td>
<td>34</td>
</tr>
<tr>
<td>Pre-Algebra 1</td>
<td>9–10</td>
<td>8/9–8/13</td>
<td>9 a.m.–12 p.m.</td>
<td>M–F</td>
<td>44</td>
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<tr>
<td>Pre-Algebra 2</td>
<td>11–12</td>
<td>8/9–8/13</td>
<td>9 a.m.–12 p.m.</td>
<td>M–F</td>
<td>44</td>
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<tr>
<td>Pre-Calculus</td>
<td>14–16</td>
<td>8/9–8/13</td>
<td>1–4 p.m.</td>
<td>M–F</td>
<td>44</td>
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<tr>
<td>Python Programmers</td>
<td>8–11</td>
<td>8/9–8/13</td>
<td>1:30–4:30 p.m.</td>
<td>M–F</td>
<td>35</td>
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<tr>
<td>Python Programmers</td>
<td>11–14</td>
<td>8/9–8/13</td>
<td>9:30 a.m.–12:30 p.m.</td>
<td>M–F</td>
<td>35</td>
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<tr>
<td>SLAM the Exam</td>
<td>9–10</td>
<td>8/9–8/13</td>
<td>5–7 p.m.</td>
<td>M–F</td>
<td>41</td>
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<tr>
<td>Summer Slam</td>
<td>14–17</td>
<td>8/9–8/13</td>
<td>9 a.m.–4 p.m.</td>
<td>M–F</td>
<td>42</td>
</tr>
<tr>
<td>Traveling History: The 19th Amendment (100th Anniversary of Woman’s Suffrage) SSL</td>
<td>11–14</td>
<td>8/9–8/13</td>
<td>1:30–4:30 p.m.</td>
<td>M–F</td>
<td>25</td>
</tr>
<tr>
<td>YouTube® Content Creators</td>
<td>8–11</td>
<td>8/9–8/13</td>
<td>1:30–4:30 p.m.</td>
<td>M–F</td>
<td>37</td>
</tr>
<tr>
<td>YouTube® Content Creators</td>
<td>11–14</td>
<td>8/9–8/13</td>
<td>9:30 a.m.–12:30 p.m.</td>
<td>M–F</td>
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### Starting the week of August 16

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<tr>
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<tr>
<td>3D Game Design with Unity</td>
<td>8–11</td>
<td>8/16–8/20</td>
<td>9:30 a.m.–12:30 p.m.</td>
<td>M–F</td>
<td>31</td>
</tr>
<tr>
<td>3D Game Design with Unity</td>
<td>11–14</td>
<td>8/16–8/20</td>
<td>1:30–4:30 p.m.</td>
<td>M–F</td>
<td>31</td>
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<tr>
<td>Code Breakers</td>
<td>8–11</td>
<td>8/16–8/20</td>
<td>1:30–4:30 p.m.</td>
<td>M–F</td>
<td>32</td>
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<tr>
<td>Code Breakers</td>
<td>11–14</td>
<td>8/16–8/20</td>
<td>9:30 a.m.–12:30 p.m.</td>
<td>M–F</td>
<td>32</td>
</tr>
<tr>
<td>Code Your Own Adventure! Interactive Storytelling</td>
<td>8–11</td>
<td>8/16–8/20</td>
<td>1:30–4:30 p.m.</td>
<td>M–F</td>
<td>32</td>
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</tbody>
</table>

SSL = Student Service Learning Hours
Code Your Own Adventure! Interactive Storytelling 11–14 8/16–8/20 9:30 a.m.–12:30 p.m. M–F 32
Drawsters—Anime 6–10 8/16–8/20 9:30–11:30 a.m. M–F 27
Drawsters—Sketcher Kids 11–17 8/16–8/20 1–3 p.m. M–F 29
Photoshop—Building an Image 13–17 8/16–8/20 1–4 p.m. M–F 22
ROBLOX® Makers 8–11 8/16–8/20 9:30 a.m.–12:30 p.m. M–F 36
ROBLOX® Makers 11–14 8/16–8/20 1:30–4:30 p.m. M–F 36
Study Skills 101 14–17 8/16–8/20 2–4 p.m. M–F 41
Visual Arts (Digital Arts) 11–14 8/16–8/20 2–3:30 p.m. M–F 40

Starting the week of August 23

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<tr>
<td>FAB Art—Fun and Beautiful</td>
<td>6–10</td>
<td>8/23–8/27</td>
<td>9:30–11:30 a.m.</td>
<td>M–F</td>
<td>30</td>
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<tr>
<td>Future Chefs</td>
<td>8–14</td>
<td>8/23–8/27</td>
<td>10:30 a.m.–12 p.m.</td>
<td>M–F</td>
<td>39</td>
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<tr>
<td>Future Chefs</td>
<td>8–14</td>
<td>8/23–8/27</td>
<td>2–3:30 p.m.</td>
<td>M–F</td>
<td>39</td>
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<tr>
<td>Minecraft Designers</td>
<td>8–11</td>
<td>8/23–8/27</td>
<td>9:30 a.m.–12:30 p.m.</td>
<td>M–F</td>
<td>34</td>
</tr>
<tr>
<td>Minecraft Designers</td>
<td>11–14</td>
<td>8/23–8/27</td>
<td>1:30–4:30 p.m.</td>
<td>M–F</td>
<td>34</td>
</tr>
<tr>
<td>Study Skills 101</td>
<td>14–17</td>
<td>8/23–8/27</td>
<td>5–7 p.m.</td>
<td>M–F</td>
<td>41</td>
</tr>
<tr>
<td>Virtual Reality: The Future is Now</td>
<td>8–11</td>
<td>8/23–8/27</td>
<td>9:30 a.m.–12:30 p.m.</td>
<td>M–F</td>
<td>36</td>
</tr>
<tr>
<td>Virtual Reality: The Future is Now</td>
<td>11–14</td>
<td>8/23–8/27</td>
<td>1:30–4:30 p.m.</td>
<td>M–F</td>
<td>36</td>
</tr>
<tr>
<td>WOW Paper!</td>
<td>11–17</td>
<td>8/23–8/27</td>
<td>1–3 p.m.</td>
<td>M–F</td>
<td>30</td>
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<tr>
<td>YouTube FX Masters</td>
<td>8–11</td>
<td>8/23–8/27</td>
<td>1:30–4:30 p.m.</td>
<td>M–F</td>
<td>37</td>
</tr>
<tr>
<td>YouTube FX Masters</td>
<td>11–14</td>
<td>8/23–8/27</td>
<td>9:30 a.m.–12:30 p.m.</td>
<td>M–F</td>
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</tbody>
</table>

SSL = Student Service Learning Hours

School Year Youth Programs at Montgomery College!
Providing high-quality programs that are educational, engaging, and fun!

Kids’ College
Enrichment courses for students in Grades K–12 (grades may differ, depending on course offerings.) Courses are offered after school and on Saturdays on the Germantown, Rockville, or Takoma Park/Silver Spring Campus.

Black Rocket
Black Rocket provides unique enrichment and educational programs to children and young adults offering distinct programs in Creative Sciences, Digital Arts, and Leadership.

Each course emphasizes self-empowerment, cognitive reasoning, and divergent thinking through hands-on learning.

Abrakadoodle
The Abrakadoodle mission is to enhance the lives of children by creating an educationally rich learning environment that ignites their imaginations and leads the, to discover their own unique creativities, talents and abilities.

Piano
Piano Fun for Grades K–6. Lessons range from beginner to advanced. These are small group lessons. Classes run for about three months

For a full list of our school year programs and up-to-date information, please visit www.montgomerycollege.edu/youth.
How to Read a Course Description

Course Title
Awesome ASL

Course Description
American Sign Language is used by many people in the US and has become a very popular language to study in schools. ASL is a language of the hands, face and body, and is fun and easy to learn! In this camp, you will spend five days learning the basics of American Sign Language, including gestures, facial expressions, and the basic components of a sign. We will cover vocabulary such as family, colors, animals, sports, numbers, and fingerspelling as well as basic aspects of Deaf culture. By the end of camp, you will be able to introduce yourself and hold basic conversations in sign language.

Instructor: Emily Mellgren
No special supplies required from home. Live instruction via Zoom.

Course Number  Number of Hours
Course: YTH257 10 Hours

Course Tuition and Fee
$100 + $30 fee = $130; NMR add $25

Campus Location
Online: Structured Remote

Ages
Ages 11–13

CRN#  # of Sessions  Days
CRN#: 46501 5 Sessions  M T W R F

Dates  Time
6/28-7/2 1-3 p.m.

M = Monday  T = Tuesday  W = Wednesday
R = Thursday  F = Friday  S = Saturday  U = Sunday

NMR Non-Maryland Resident

Advanced Placement Readiness (GT)
Prepare for taking advanced placement courses. In small groups, analyze articles, essay prompts, and sample responses. Learn to support your opinions by using text and data to accomplish the task. Use logical thinking, enhance your awareness of the structure of your arguments and avoid fallacies in reasoning. Use various technologies and peer created strategies to practice time management skills. Learn ways to use calendars to make more effective use of your time. Add rhetorical strategies to your repertoire of testing skills and improve your understanding of standards found in advanced placement courses. Practice these skills to heighten your comfort with the testing situation.

Instructor: Jenn Bauer
Supplies required at home: Basic supplies including paper and pencil. Information will be available for downloading by the students. Access to a computer (iPad, Chromebook) with webcam. Online format: Live instruction via Zoom.

Course: YOU466 15 Hours
$145 + $30 fee = $175; NMR add $25

Online: Structured Remote

Ages 14–17

CRN#: 16188 5 Sessions  M T W R F
7/19-7/23 9 a.m.-12 p.m.

Awesome ASL
American Sign Language is used by many people in the US and has become a very popular language to study in schools. ASL is a language of the hands, face and body, and is fun and easy to learn! In this camp, you will spend five days learning the basics of American Sign Language, including gestures, facial expressions, and the basic components of a sign. We will cover vocabulary such as family, colors, animals, sports, numbers, and fingerspelling as well as basic aspects of Deaf culture. By the end of camp, you will be able to introduce yourself and hold basic conversations in sign language.

Instructor: Emily Mellgren
No special supplies required from home. Live instruction via Zoom.

Course: YTH257 10 Hours
$100 + $30 fee = $130; NMR add $25

Online: Structured Remote

Ages 11–13

CRN#: 46501 5 Sessions  M T W R F
6/28-7/2 1-3 p.m.
**Biotechnology and Diversity**

Biotechnology and diversity of organizations go hand in hand. Biotechnology allows scientists to organize animals into patterns and categories and identify/classify them, whether the animal is known or unknown. In recent times, biotechnology techniques have enabled crime-solving, paternity testing, cloning of cells leading to reproduction with male gametes, production of insulin for diabetics, and growth factors. In this camp, you will master DNA extraction, paternity identification, solve problems and bone mysteries, master microscope uses and care, discover the various organisms that share our planet, and develop your critical thinking ability and skills and study world cultures through video workshops.

**Instructor:** Samantha Cruz

Materials required from home: Computer, internet access, paper, pencils, strawberries, dish soap, salt, water and rubbing alcohol, access to a non-MCPS Google account. Online format: Prerecorded or direct instruction will be provided for the first hour of camp. You will work independently on an assignment. The camp will come back together at 12 p.m. to discuss the results of your work.

**Course:** YTH221  
$90 + $20 fee = $110; NMR add $25

**Online: Structured Remote**

**Ages 11–17**

<table>
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<tr>
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<tr>
<td>16245</td>
<td>3</td>
<td>M W F</td>
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</table>

**Build Your Own Autonomous Robot**

Are you a robotics enthusiast, and need some help getting started or refining your skills? This camp places emphasis on building electronic assembly skills. You will build and assemble an autonomous robot car from a kit. The robot cars use various sensors, such as microphone and contact switches to interact with the environment. For example, the robot can be made to respond to a hand clap or reverse direction when it contacts an obstacle. The kit, valued at over $55, includes safety glasses, small hand tools, and a 25-Watt electric soldering iron with a stand and lead-free solder. No programming skills are needed. At the end of the course, you will keep your robot car and all materials.

**Instructor:** Dr. Monica Mellini, MC Faculty.

Materials required at home: a computer with microphone and webcam, electrical outlet for soldering iron (small outlet strip is ideal), task lighting in the work area, such as a desk lamp, a small scrap of thin plywood (approximately 6” x 6”) or a heat resistant silicone soldering mat to protect worktable. Prerecorded or direct instruction will be available for curbside pickup approximately one week before this camp begins. Live instruction via Zoom.

**Course:** YTH362  
$155 + $75 fee = $230; NMR add $25

**Online: Structured Remote**

**Ages 12–15**

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<td>7/26-7/30</td>
<td>9:30 a.m.-12:30 p.m.</td>
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**Comedy, Improv and Playwriting Camp**

Improvisation uses teamwork, trust, acceptance of others, and a "Yes, and...” attitude. These skills not only apply to life, but also build character, creativity, and confidence. So get wacky, play exciting games, collaborate online with friends, and learn the secrets behind great improv and comedic writing. Use your newfound skills to write a play with your fellow campers. Receive feedback and guidance every step of the way.

**Instructor:** Natalie Evans

Materials required from home: paper and pencil. Information will be available for download by the students. Some documents will need to be printed at home. Access to a non-MCPS Google account with access to Google docs and slides. Access to a computer (iPad, Chromebook) with webcam and microphone. Live instruction via Zoom.

**Course:** YTH224  
$145 + $30 fee = $175; NMR add $25

**Online: Structured Remote**

**Ages 11–13**

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<th>CRN#</th>
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<tr>
<td>7/12-7/16</td>
<td>1-4 p.m.</td>
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**Community Arts For Change**

Come use your visual and performing art skills to benefit your community! Learn how to develop a project, including project organization, fundraising, communication strategies, and website design. In this camp, you will develop a project to implement in the community. Ideas include community beautification projects, interacting with assisted living residents, working with disadvantaged individuals in the community, and creating fundraising opportunities through homemade art. Please note that this camp is currently approved for 6 hours Student Service Learning (SSL) hours through MCPS. This approval status may change if MCPS returns to face-to-face instruction.

**Instructor:** Meredith Carver

Materials required from home: computer, mouse, pencil paper, poster board, an old hat or other costume supplies (optional), song sheets (optional and available for download). Additional supplies: Will be available from Montgomery College and will be available for curbside pickup approximately one week before this camp begins. Live instruction via Zoom.

**Course:** YTH344  
$145 + $30 fee = $175; NMR add $25

**Online: Structured Remote**

**Ages 11–14**

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<tr>
<td>16294</td>
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<tr>
<td>7/26-7/30</td>
<td>1-3 p.m.</td>
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</table>
Computer Programming 1

Use the MIT-developed programming language, Scratch, to investigate the foundations of computer programming. Through the creation of a variety of applications and games, you will learn essential common programming structures that can be applied to any future languages that you learn. An emphasis is placed on balancing rigor and fun, and you will have many opportunities to flex your creative muscles in the creation of your programs. By the end of camp, you will design a large-scale program of your own, and have the opportunity to share your application with the outside world over the Internet!

Instructor: David Hill

Materials required at home: A PC/Laptop Windows 7 or later with internet access and a webcam. A free Scratch account from scratch.mit.edu will be set up on the first day of camp. Online format: The schedule of the day (times are approximate and are modified based on the needs of the students): 9 a.m.-Noon and 1-3 p.m., direct instruction. The last hour of each of these sessions will be flex enrichment and help sessions to keep you on track with your project.

Course: YOU577 60 Hours
$490 + $30 fee = $520; NMR add $25

Online: Structured Remote

Ages 11–13
CRN#: 16287 10 Sessions M T W R F
7/5-7/16 9 a.m.-3 p.m.

CRN#: 16288 10 Sessions M T W R F
8/2-8/13 9 a.m.-3 p.m.

Cool Science

Participate in fun, messy, and very hands on scientific laboratory experiments using a vast array of materials, many of which you may already have in your home! Each session introduces opportunities to meet performance expectations in Next Generation Science Standards (NGSS) phenomenon in various fields of science. You will master the scientific process behind experimental design through “doing” versus “watching.” Supervision and support may be required for certain activities depending on the capability of the student. This is a fantastic way to discover or maintain your passion for science during a time of distance learning!

Instructor: Melisa Felipe

Materials required at home: computer with internet access, microphone and web cam (prefer for cameras to be on), recycled materials (boxes, bottles), recycled 2L bottle, paper towels, water, fork, knife, cooked chicken or turkey wing, hair conditioner (3-4 tablespoons, any brand), whole milk, liquid dish soap, shallow dish (such as a pie dish), and clear glass or plastic cup. Additional materials will be available for pick up the week before camp. Online instruction via Zoom. Kahoot and Peardeck will also be used.

Course: YTH356 10 Hours
$100 + $47 fee = $147; NMR add $25

Online: Structured Remote

Ages 8–10
CRN#: 16341 5 Sessions M T W R F
7/19-7/23 9-11 a.m.

Creating Charitable Discussions: The Psychology of Conversation

The landscape of the United States seems more polarized than ever across many differing hot button topics. In a world of two second sound bite arguments, political pundits, and rhetorical strategies to obtain points rather than the truth, some wonder how it is possible to have conversations amidst a diversity of opinions. How is it that we create a culture of charitable discussions but also to evaluate claims critically? How do we engage in conversation without the trappings of name-calling or shouting? The class attempts to navigate this tightrope and digs deeper into the human ego, its insecurities, and why it is the case that progress cannot be made in the key issues that concern us most. This class will cover an introduction to the psychology of conversation, methods of interviewing and questioning, common errors in logic and reasoning, and research skills related to hot-button topics. Learning methods and practices for creating and engaging in constructive conversations is crucial for increasing community health and cooperation. By the end of the course, students will have produced a fact sheet which details an unbiased snapshot of the issue and the different perspectives associated with it. Additionally, students will create a brochure of the topic, which acts as a guide to help facilitate constructive conversations.

MCPS has approved this camp session for 10 Student Service Learning (SSL) hours.

Instructor: Paul Kio

Materials required at home: Access to a Google account (not connected to a school system such as MCPS), colored pencils, paper, scissors and a device that supports online learning (iPad, Chromebook, laptop). Online format: You will meet with the instructor via Zoom for approximately 45 minutes to one hour at the beginning and end of the session. You will work independently between the two online sessions, and the instructor will be available for all hours of the camp.

Course: YTH155 15 Hours
$145 + $30 fee = $175; NMR add $25

Online: Structured Remote

Ages 11–14
CRN#: 16338 5 Sessions M T W R F
7/12-7/16 9 a.m.-12 p.m.

CRN#: 16339 5 Sessions M T W R F
7/19-7/23 1-4 p.m.
Designing a Room and More: Hands on Interior Design

Design is everywhere! Explore designing a room with hands-on interior design. This class is a project-based course that allows you to become a spatial problem solver and help develop design solutions with your peers. You will create room designs through color interpretations, elements of design, and interviewing skills. This is a fast-paced “crash course” in interior design where technical knowledge is applicable to various design fields. This course will also provide an overview of what is expected in the design field. We will discuss current energy innovations, Smart Home technology, Universal design, green design, and current trends in the industry.

Instructor: Julie Priddy ASID, CMKBD, NCIDQ, MC faculty.

Materials needed at home: a computer with good internet connection. Online platforms include Zoom and Blackboard.

The structure of the day: Direct instruction from 9–10:30 am. Independent work from 10:30 a.m.–12:30 p.m. Direct instruction from 12:30–1:30 p.m. Independent work from 1:30–3 p.m. The instructor is available during the independent work times.

Course: YTH227 35 Hours
$320 + $30 fee = $350; NMR add $25

Online: Structured Remote
Ages 11–13
CRN#: 16256 5 Sessions M T W R F
7/12-7/16 9 a.m.-4 p.m.

Disney Science

Come explore the ecological topics seen in many Disney movies. If you are a Disney fan, and want to learn more about the science in the films, this course is for you. You will be able to analyze The Lion King, Zootopia, and Moana. Each class you will watch clips of the movies. We will discuss different ecological topics of the movies.

Instructor: Samantha Cruz

Materials required at home: computer with internet access, access to a non-MCPS Google account, paper and pencils. Live instruction via Zoom.

Course: YTH333 9 Hours
$90 + $20 fee = $110; NMR add $25

Online: Structured Remote
Ages 11–17
CRN#: 16343 3 Sessions T W R
7/6-7/8 9 a.m.-12 p.m.

Effective Writing

Writing is one of the most important skills needed to succeed academically. Learn some of the practical skills for effective writing. Practice writing and gain confidence in recognizing and correcting grammatical errors and understanding the fundamentals of sentence structure, punctuation, and word usage. Learn techniques for generating divergent ideas for compositions and story writing.

Instructor: Natalie Evans

Materials required at home: a computer (iPad or Chromebook) with internet access, a webcam and a microphone, access to a non-MCPS Google account with access to Google docs and slides, basic supplies including paper and pencils. Information will be available for download from the instructor.

Course: SCH964 15 Hours
$145 + $30 fee = $175; NMR add $25

Online: Structured Remote
Ages 8–10
CRN#: 16207 5 Sessions M T W R F
7/12-7/16 9 a.m.-12 p.m.
Explore the Magic of Reading, Writing and Technology
Authors of children’s books often include hidden meanings, a mystery, amazing facts, or an interesting effect through art. Come explore these fascinating books by a variety of authors including Chris Van Alsburg, Eric Carle, and Mary Pope Osborne. Improve your reading and writing skills while adding a touch of technology to enhance your author study. Plus create your own board game based on your favorite book.

Instructor: Natalie Evans
Materials required from home: paper, pencil, colored pencils/markers, glue stick, scissors, poster board and 30 blank note cards. Information will be available for downloading by the students. Some documents will need to be printed from home. Access to a non-MCPS Google account with access to Google docs and slides. Access to a computer (iPad, Chromebook) with webcam and microphone. Books are available for download through MCPS libraries and Montgomery County libraries. Some are also available on YouTube. The specific books include: Zathura by Chris Vans Alsburg, The Very Hungry Caterpillar by Eric Carle, and The Knight at Dawn by Mary Pope Osborne.

Online format: Live instruction will be given via Zoom.

Course: YOU689 15 Hours
$145 + $30 fee = $175; NMR add $25
Online: Structured Remote
Ages 8–10
CRN#: 16208 5 Sessions M T W R F
7/19-7/23 1-4 p.m.

Financial Tips and Tricks: Get Ready for Adulthood
Prepare for the real world by learning how to earn money, the art of budgeting, living on your own, banking services, credit cards, cars and loans, consumer awareness, saving and investing, and decision making. Learn these life skills before you make painful and life-changing mistakes as an adult! You will learn about responsibility, citizenship and finances using a holistic approach. The middle school course focuses on all of the above topics. For those in the high school level course, you will dive deeper into the topics, and put your new skills into practice as you prepare to live on your own. You do not need to complete the middle school course before enrolling in the high school course.

Instructor: Ramona Johnson, MC Faculty and MCPS teacher. Ms. Johnson is also a Capital One Financial Literacy trained instructor and has a BA in Economics.
Supplies needed from home include a computer with video camera and microphone, a journal and a writing utensil. Online platforms include Canvas and Zoom.

Course: YTH336 9 Hours
$90 + $20 fee = $110; NMR add $25
Online: Structured Remote
Ages 11–17
CRN#: 16267 3 Sessions M T W R F
8/3-8/5 9 a.m.-12 p.m.

CRN#: 16275 3 Sessions M T W R F
7/13-7/15 9 a.m.-12 p.m.

CRN#: 16270 3 Sessions M T W R F
8/10-8/12 9 a.m.-12 p.m.

Forensic Investigations
Dive into the world of forensics science. You will use virtual simulations, videos, lessons, and some hands-on activities to explore the fields of forensic entomology, anthropology, blood spatter, trace evidence, fingerprints, and ballistics. Brush up on geometry, biology, physics, and chemistry while learning about this intriguing cross-curricular subject.

Instructor: Heather Ward
Materials required at home: access to internet, webcam, a non-MCPS Google account, access to Chrome and Google Docs and Slides, ruler (at least 6 inches), magnifying glass (or smart phone), white paper, pencil, washable marker. Live online instruction via Zoom.

Course: YTH336 9 Hours
$90 + $20 fee = $110; NMR add $25
Online: Structured Remote
Ages 11–14
CRN#: 16208 3 Sessions M T W R F
8/3-8/5 9 a.m.-12 p.m.

Ages 14–17
CRN#: 16267 3 Sessions M T W R F
7/13-7/15 9 a.m.-12 p.m.

CRN#: 16270 3 Sessions M T W R F
8/10-8/12 9 a.m.-12 p.m.

Forward-Thinking Interior Design
Design is everywhere! Explore forward-thinking interior design. This class is a hands-on, project-based course which allows you to become a spatial problem solver and help develop design solutions with your peers. Students will exercise room design, color interpretations, cost estimating, and interviewing skills. This is a fast-paced crash course in interior design where technical knowledge is applicable to various design fields. This course is also constructed to provide an overview of what is expected in the design field. We will discuss current energy innovations, Smart Home technology, Universal design, green design, and current trends in the industry.

Instructor: Julie Priddy ASID, CMKBD, MC faculty member
Materials needed at home: a computer with good internet connection. Online platforms include Zoom and Blackboard.
The structure of the day: Direct instruction from 9–10:30 a.m. Independent work from 10:30 a.m.–12:30 p.m. Direct instruction from 12:30–1:30 p.m. Independent work from 1:30–3 p.m. The instructor is available during the independent work times Yes-blackboard.

Course: YOU976 35 Hours
$320 + $20 fee = $350; NMR add $25
Online: Structured Remote
Ages 11–17
CRN#: 16275 5 Sessions M T W R F
7/19-7/23 9 a.m.-4 p.m.

Ages 14–17
CRN#: 16267 5 Sessions M T W R F
7/26-7/30 9 a.m.-4 p.m.
GURL Power: Paper Roller Coaster Design
Do you love roller coaster design? Are you a girl who likes to be creative and are you a problem solver? This camp is for you! Working in teams, we will be applying the Engineering Design Process, learning to create an online program to build your own Roller Coaster design. Finally, we will be building a Paper Roller Coaster prototype using recycled materials. Come increase your confidence and problem solving skills.
Instructor: Jo Doerrman
Materials required at home: a non-MCPS Google account, access to Google classroom and TinkerCad, recycled cardboard, scissors, tape, glass marbles, hot glue gun with glue sticks. Live instruction via Zoom, Google Classroom, TinkerCad.
Course: YTH341 12 Hours
$110 + $30 fee = $140; NMR add $25
Online: Structured Remote
Ages 10–14
CRN#: 16291 6 Sessions M W F 7/26-8/6 10 a.m.-12 p.m.

Gurl Power: Tiny House Nation
Come apply the Engineering Design Process, and learn to create an online CADD (Computer Aided Drafting and Design) program to build your own Tiny House design while working in teams. You will even build your own Tiny House cardboard prototype using recycled materials. So, are you a girl who likes to be creative and create your own environment? Do you love watching all the “Tiny House” shows and YouTube channels? Then this camp is for you!
Instructor: Jo Doerrman.
Materials required at home: a computer with access to Chrome, a non-MCPS Google account, access to Google classroom and TinkerCad, recycled cardboard, scissors, tape, hot glue gun with glue sticks. Live instruction via Zoom, Google Classroom, TinkerCad.
Course: YTH340 12 Hours
$110 + $30 fee = $140; NMR add $25
Online: Structured Remote
Ages 10–14
CRN#: 46490 6 Sessions M W F 6/21-7/2 10 a.m.-12 p.m.

Intro to Innovation Camp
Have you ever wanted to start a business of your own, such as dog walking, lawn mowing, selling your own artistic creations, or even market an app you are creating? If you answered yes to any of those, then this camp is for you! Learn the foundations of turning your business idea into reality by diving into case studies of existing businesses founded by young innovators such as yourselves. In this camp, you will practice critical thinking skills; learn fundraising, and marketing techniques; how to create a business plan, and deliver a stunning presentation. Team up to work in groups or develop your own individual idea, and compete to win the title of Rising Innovator at the end of the week. On the final day of camp, parents and guardians are invited to attend the virtual competition where students will present their innovation to a panel of judges.
Instructors: Southern Management Leadership Program (SMLP) Scholars Ashley-Ann Waaldijk, and Franco Edah with support from Professor Rebecca Razavi, Faculty and Director of SMLP
Materials required at home: computer with microphone and webcam capability. Access to the internet and a non-MCPS Google account to utilize Google Docs and Slides. Information will be available for download. The camp includes direct instruction and independent work. Instructors are available for the entire camp session, including during independent work. Instruction via Zoom.
Course: YTH364 12.5 Hours
$120 + $30 fee = $150; NMR add $25
Online: Structured Remote
Ages 11–14
CRN#: 46506 5 Sessions M T W R F 6/21-6/25 10 a.m.-12:30 p.m.
CRN#: 16356 5 Sessions M T W R F 7/12-7/16 10 a.m.-12:30 p.m.

It’s a Museum City
With our social distancing limitations and closures, we decided to do something even BIGGER than checking out Washington, DC’s museums. We are going to explore galleries, visit wild animals, and museum hop AROUND THE WORLD. You get to be a tourist, in your pajamas, with new friends your age (YES! You get to go with OTHER KIDS) to see the Mona Lisa at the Louvre in Paris, France, visit polar bears in Churchill, Manitoba, Canada, explore space with the experts at Johnson Space Center in Houston, Texas, and see bright and beautiful underwater life at the Monterey Bay Aquarium. In addition, we will document our experience in a museum journal and socially engage with one another while doing so! Get ready to travel around the world!
Instructor: Jessica Hall, MC Faculty
Course: YTH205 15 Hours
$145 + $30 fee = $175; NMR add $25
Online: Structured Remote
Ages 8–10
CRN#: 16236 5 Sessions M T W R F 8/9-8/13 9 a.m.-12 p.m.
It’s Up For Debate (GT)
In this camp, you will learn the main aspects of organized debating including the structure, format and procedures by which debates are conducted. You will learn how to research a subject area and to formulate arguments. And you will learn how to view all sides of an argument and apply this skill not only to discussion in this camp, but, hopefully to all aspects of your life. Instructor: Kraig Bauer
Course: YTH107 30 Hours
$270 + $30 fee = $300; NMR add $25
Online: Structured Remote
Ages 11–14
CRN#: 15613 10 Sessions M T W R F
7/5-7/16 9 a.m.-12 p.m.
Materials needed from home: paper/pen, highlighter, and folder to hold materials, the ability to download and print out materials, computer with access to Google Classroom and Zoom.

Java Programming Introduction
Learn Java programming in Montgomery College’s hands on computer labs. Learn Object Oriented Programming (OOP) essentials and use Java’s Software Development Kit (JDK) to compile and run programs. Topics include data types, operators, loops, classes, objects, methods, arrays, and class inheritance. Use AWT and Java Swing packages to develop Graphical User Interface (GUI) web applications, including event listeners, text boxes, radio buttons, check boxes, menus, and images. Instructor-led in-class exercises and textbook exercises will be emphasized for hands-on teaching of programming skills. Prerequisites: Grades 9–12 AP students; Algebra skills. Basic knowledge of computers (starting programs, saving files). For students with interests in science and computing.
Instructor: Stephen Sell
Campers must provide these supplies (not provided by MC): Students will need access to a computer. Free software will be available for download. Online format: The instructor will provide a combination of online instruction via Zoom, videos and supported independent learning.
Course: YOU737 30 Hours
$370 + $30 fee = $400; NMR add $25
Online: Structured Remote
Ages 11–14
CRN#: 16332 5 Sessions M T W R F
7/12-7/16 1-4 p.m.
CRN#: 16333 5 Sessions M T W R F
7/26-7/30 1-4 p.m.

Legal Eagles I: Trial by Jury
Imagine for a moment you were going to determine whether or not someone is innocent or guilty. Take turns being a prosecutor, judge, and jury in this intriguing introduction to law and the court system. Within this course you get to hear cases, present testimony, and decide the verdict in a mock trial. To do this however, you will learn the basics of being a lawyer and the tools and tactics that they use. In this course, you will become familiar with identifying problems with legal arguments, how to use evidence to prove your case, the art of debate, and how to interpret different laws to defend your clients. Additionally, you will also learn some of the stranger laws that are still on the books and how they got to be there.
Instructor: Paul Kio
Materials required at home: Access to a Google account (not connected to a school system such as MCPS), colored pencils, paper, scissors and a device that supports online learning (iPad, Chromebook, laptop). Online format: You will meet with the instructor via Zoom for approximately 45 minutes to one hour at the beginning and end of the session. You will work independently between the two online sessions, and the instructor will be available for all hours of the camp.
Course: YOU885 15 Hours
$145 + $30 fee = $175; NMR add $25
Online: Structured Remote
Ages 11–14
CRN#: 16332 5 Sessions M T W R F
7/12-7/16 1-4 p.m.
CRN#: 16333 5 Sessions M T W R F
7/26-7/30 1-4 p.m.
Legal Eagles II: Advanced Trials
Legal Eagles: Advanced Trials will engage you in a variety of topics to enhance and develop your skills in logic based reasoning and its applications to case law. The topics to be covered within this class are as follows: A Brief Review of Legal Background and Procedures, Logic Based Reasoning Exercises, and Mock Trials in Civil and Criminal Law. Students who have already taken Legal Eagles: Trial by Jury or have previous knowledge or experience in studying law should consider this class as a more in-depth look of legal practice, placing an emphasis on mock trials where students will take turns rotating between working as a legal team and various other roles involved in a trial. By the end of the class, you will gain experience in argumentation techniques, organization and categorization of evidence, evidence interpretation, and will have a comfortable and fluid understanding of the trial process and its various procedures.

Instructor: Paul Kio
Materials required at home: Access to a Google account (not connected to a school system such as MCPS), colored pencils, paper, scissors and a device that supports online learning (iPad, Chromebook, laptop) Online format: You will meet with the instructor via Zoom for approximately 45 minutes to one hour at the beginning and end of the session. You will work independently between the two online sessions, and the instructor will be available for all hours of the camp.

Course: YOU886
15 Hours
$145 + $30 fee = $175; NMR add $25

Online: Structured Remote
Ages 11–14
CRN#: 16336
5 Sessions
M T W R F
7/19-7/23
9 a.m.-12 p.m.

Let’s HIIT It! Summer Camp
Are you eager to move and shake off the remote-learning wiggles? With this introduction to physical fitness, participants will engage in a variety of exercises in the format of High Intensity Interval Training (HiIT). Learn proper form, how to target certain muscle groups, proper warm up and cool down techniques, and more! You will need to dress comfortably and have plenty of space!

Instructor: Melisa Felipe
Materials required from home: computer with internet access, microphone and web cam (prefer for cameras to be on), paper and a writing utensil for journaling, a towel or yoga mat. Online instructor via Zoom.

Course: YTH359
10 Hours
$100 + $30 fee = $130; NMR add $25

Online: Structured Remote
Ages 8–11
CRN#: 16344
5 Sessions
M T W R F
7/19-7/30
3-4 p.m.

Mastering Writing Techniques
Are you an avid reader or a serious writer? Do you want an opportunity to master your writing skills? This course will teach you the techniques you need. Examine samples of children’s books by famous writers. Learn how they use figurative language to create masterful works of art. Share ideas and critique works by your peers. Then, create your very own masterpiece. You will also use Google slides to present your stories with illustrations and animations.

Instructor: Natalie Evans
Materials required from home: paper, pencil, glue stick, and scissors. Information will be available for download. A few documents must be printed from home. A non-MCPS Google account and access to Google docs and slides. Access to a computer (iPad, Chromebook) with webcam and microphone. Live instruction via Zoom.

Course: YTH331
15 Hours
$145 + $30 fee = $175; NMR add $25

Online: Structured Remote
Ages 8–10
CRN#: 16229
5 Sessions
M T W R F
7/19-7/23
9 a.m.-12 p.m.

Mysteries in History
Who built Stonehenge and why? Where are the Seven Wonders of the World, and who decided they were wonderful? What happened to the people of Easter Island? How did the Egyptians build the pyramids without using pulleys? These and other mysterious events in history make learning an exciting process and introduce you to intriguing events from the past. This class is a historic version of Unsolved Mysteries and promises to be just as entertaining.

Instructor: Paul Kio
Materials required at home: Access to a Google account (not connected to a school system such as MCPS), colored pencils, paper, scissors and a device that supports online learning (iPad, Chromebook, laptop) Online format: You will meet with the instructor via Zoom for approximately 45 minutes to one hour at the beginning and end of the session. You will work independently between the two online sessions, and the instructor will be available for all hours of the camp.

Course: YOU704
15 Hours
$145 + $30 fee = $175; NMR add $25

Online: Structured Remote
Ages 11–14
CRN#: 16337
5 Sessions
M T W R F
7/26-7/30
9 a.m.-12 p.m.
Workforce Development and Continuing Education

Painting for Physicians: Learn, Create and Give Back
Learn how to paint with watercolors, learn science through a Next Generation Science Standards (NGSS) aligned phenomenon and support our medical front line workers. Each day you will explore a different organ system, a future medical career option, and understand a day in the life of the frontline medical workers during this pandemic. You will explore college pathways, daily tasks, average salary, and the current need in the country and locally. You will develop your skills with watercolor by painting pictures of a scientific phenomenon. The completed art projects will be collected, and donated to a non-profit medical center to support and boost the morale of the medical frontline workers. No previous experience required. MCPS has approved this camp session for 10 Student Service Learning (SSL) hours, provided MCPS is practicing remote learning.
Instructor: Melisa Felipe
Materials required from home: computer with internet access, microphone and web cam (prefer for cameras to be on). All materials (except water) will be available for pick up the week before camp. Arrangements will be made to collect completed art projects. Online instruction via Zoom
Course: YTH357  
10 Hours  
$100 + $55 fee = $155; NMR add $25
Online: Structured Remote  
Ages 10–13  
CRN#: 16342  5 Sessions  M T W R F  
7/5-7/9  1-3 p.m.

Photography, beyond the iPhone
Sure, you can take good pictures with your phone but there is photography beyond Instagram. How do you take your photography to the next level with a camera? What does it take to shoot a magazine cover? Why are photographs better when using a real digital camera? Or, are they? How can you advance your technical and creative skills? Do you want to be a professional photographer, and if so, what does that mean? All these questions and more will be answered in this hands-on photography camp.
Instructor: professional photographer Robert Severi  
THIS IS NOT AN IPHONE PHOTOGRAPHY COURSE.
Materials required: Campers must provide these supplies (not provided by MC): Enrollees MUST have a digital camera that can be set to manual, and a memory card. No iPhones will be used. The camera’s battery should be fully charged. Also required is a card reader or connector cable, so you can upload files. Please have your camera owner’s manual on the first day, a computer, a way to upload your photos to your computer, software to view your photos on your computer (examples include: Bridge, Lightroom, Photoshop, iPhoto, or any generic software to view photographs). Online format: Fifteen to 20-minute videos will be available before class begins, followed by a virtual session. After the lesson, you will go out to shoot photographs. A follow up virtual session at the end of the day will review your independent shooting session.
Course: YTH072  
15 Hours  
$145 + $30 fee = $175; NMR add $25

Photoshop-Building an Image
Are you curious about Photoshop and how it can enhance your photos? We all know that Photoshop can alter pictures, but most people don’t know how. They think you just press a button, and Bam! Wow! Well, it is not that simple. There are many ways to cut a piece of wood in half. Which saw is best? There are many tools and techniques in Photoshop. Which ones do I use? As with lumber, it depends. The key is to first decide what you want to do, then decide which tool will do the job best and most efficiently. I’ve been working as a Photoshop pro for 20 years, worked on thousands of photographs. I will teach you the basics of setting up an image, and introduce you to the tools that I use most to retouch and construct images. Photoshop is not just a retouching program. Like your camera, it is an extension of the creative process. Materials needed at home: a computer with Adobe Photoshop, Adobe Bridge (or Lightroom). Instruction via Zoom.
Course: YTH363  
15 Hours  
$145 + $30 fee = $175; NMR add $25
Online: Structured Remote  
Ages 13–17  
CRN#: 16354  5 Sessions  M T W R F  
7/12-7/16  1-4 p.m.
CRN#: 16355  5 Sessions  M T W R F  
8/16-8/20  1-4 p.m.

Psych: What It All Means
The taste of watermelon—the memory of your birthday—the wonder of optical illusions—the meaning of dreams—understanding this is all made possible through psychology. In this hand-on class, students will learn the regions of the brain and construct model brain, they will discover the functions of the five senses and test their functions, create optical illusions, understand the stages of sleep, and meaning of dreams, learn way to improve their memory, and discover techniques to train people and pets.
Instructor: Jenn Bauer
Materials required at home: a computer, access to Zoom, Google Classroom, a non-MCPS gmail account, pen, pencil, crayons/markers, paper, scissors, tape, board game(optional). Additional materials will be available for pick up at a central location the week before camp begins. Live instruction via Zoom
Course: YOU467  
15 Hours  
$145 + $30 fee = $175; NMR add $25
Online: Structured Remote  
Ages 11–13  
CRN#: 46460  5 Sessions  M T W R F  
6/28-7/2  9 a.m.-12 p.m.

Python: A Practical Introduction to Programming GT
Learn to program with Python. Python is an open-source, contemporary programming language that is widely used not only in colleges and high schools to teach introductory programming, but also in development of software and cyber-security programs, among other things. Learn to solve problems and apply standard programming concepts such as variables, math operators, data types, decisions, loops, functions, objects, Graphical User Interfaces (GUIs), and modules. Develop, games, random functions, graphic animations and other programs in this hands-on class.
Prerequisites: Grades 9–12 AP students; algebra skills, basic knowledge of computers (starting programs, saving files).
Instructor: Stephen Sell
You will need access to a computer. Free software will be available for download. Online format: The instructor will provide a combination of online instruction, videos and supported independent learning.
Course: YOU730
$370 + $30 fee = $400; NMR add $25

Online: Structured Remote
Ages 14–17
CRN#: 46483 10 Sessions M T W R F
6/21-7/2 9 a.m.-12 p.m.

Reading for the SAT/ACT
An overview of the reading sections for the SAT and ACT reading sections. The course will cover strategies, techniques and key aspects to look for when taking the SAT and ACT tests. This will include practice to employ and refine these skills.
Instructor: Kraig Bauer
Materials needed from home: paper/pen, highlighter, and folder to hold materials, the ability to download and print out materials, computer with access to Google Classroom and Zoom.
Course: YOU729 15 Hours
$145 + $30 fee = $175; NMR add $25
Online: Structured Remote
Ages 14–17
CRN#: 46504 5 Sessions M T W R F
6/21-6/25 9 a.m.-12 p.m.

Roald Dahl: Novel to Film Summer Book Club
Come explore the writing of Roald Dahl and increase your reading, writing and literacy skills. There is nothing better than a good book! There is also nothing better than a good movie! In this camp you get both! You will explore Roald Dahl’s Matilda and Charlie and the Chocolate Factory as we engage in a group read aloud. You will analyze texts to uncover literary elements and devices, complete character studies, and critically think to answer writing prompts. Upon completing each novel, you will watch the film version so you can compare and contrast storytelling elements of the novel and film versions. Lastly, you will construct an evidence based claim. This is a great opportunity to strengthen literacy skills while in a friendly and social setting!
Instructor: Melisa Felipe
Materials required at home: computer with internet access, microphone and web cam(prefer for cameras to be on), notebook and writing utensil. Books will be available for pick up approximately one week before camp begins. Online instruction via Zoom.
Course: YTH355 20 Hours
$200 + $44 fee = $244; NMR add $25
Online: Structured Remote
Ages 8–10
CRN#: 16340 10 Sessions M T W R F
7/5-7/16 9-11 a.m.

Story Writing through Cartooning
Do you love comics or graphic novels and want to make your very own comic book? Then this course is totally for you! New and seasoned cartoonists will come together to learn and further develop their own style of drawing comics! We will develop our drawing skills with drawing proportion of figures/characters, show a depth of setting in our scenes and we will practice shading techniques with dots and lines! Cartoonists will be guided throughout the full process of writing their original stories, drawing them out, inking, coloring and over the week, turning our own ideas into a self-published comic book! We will engage in creative exercises to help our creative process and learn how to build artist community through guided collaboration with other cartoonists within the group. Make your stories and characters come to life! Excelsior!
Instructor: Meredith Carver
Materials required at home: paper, pencils, pencil sharpener, eraser, hand outs (will be available for download), colored pencils. Additional supplies: Will be available from Montgomery College and will be available for curbside pickup approximately one week before this camp begins. Live instruction via Zoom.
Course: YTH345 6 Hours
$60 + $40 fee = $100; NMR add $25
Online: Structured Remote
Ages 11–14
CRN#: 16295 3 Sessions M W F
7/12-7/16 10 a.m.-12 p.m.
CRN#: 16296 3 Sessions M W F
8/2-8/6 10 a.m.-12 p.m.
**Story Writing through Puppetry**

Have you ever wanted to create and perform your own puppet show? In this course, we will create and fully develop your original stories and characters, watching them come to life! We will create moveable mouth talking puppets along with scenery and props that are important in telling your story. We will also learn how to build our own puppet theaters and even practice creating and performing with shadow puppets and shadow effects! Puppetry movement and voice work will be practiced to develop performance skills with puppet creations. You will even learn how to promote your shows and practice building artist community through collaboration with other performers in class practice.

**Instructor:** Meredith Carver

Materials required at home: cardboard pieces, large box, medium sized shoe or cereal box, pencil, paper, sturdy scissors (for cutting cardboard), newspaper (to protect table and for paper mache), ceramic or plastic bowl (to serve as paper mache mold), container for glue mixture, markers or colored pencils. Additional supplies: Will be available from Montgomery College and will be available for curbside pickup approximately one week before this camp begins. Live instruction via Zoom.

**Course:** YTH346  
**6 Hours**

$55 + $45 fee = $100; NMR add $25

**Online:** Structured Remote

**Ages 8–10**

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**The Biology of Food**

Come explore the four biomolecules (carbohydrates, lipids, proteins and nucleic acids), their structures and the role they play in our bodies. We will explore the food we eat and what biomolecules are found in them and how our body takes that in. You will explore different foods such as Takis, Chipotle and other popular snacks.

**Instructor:** Samantha Cruz

Campers must provide these supplies (not provided by MC): computer, internet access, paper, pencils, and food labels.

Online format: Prerecorded or direct instruction will be provided for the first hour of camp. You will work independently on an assignment. The camp will come back together at 12 p.m. to discuss the results of your work.

**Course:** YTH236  
**9 Hours**

$90 + $20 fee = $110; NMR add $25

**Online:** Structured Remote

**Ages 11–14**

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**Attention High School Students!**

Want to get a jump start on a class for next semester? Want to master Microsoft Word, Excel, or Access? OR want to learn to create your own website, learn more about digital photography, or power up for the SATs?

Try taking an Ed2Go noncredit online class! There are hundreds of classes to choose from and you can take them at any time, any place!

For more information, visit [www.montgomerycollege.edu/wdce/noncredit-online-courses](http://www.montgomerycollege.edu/wdce/noncredit-online-courses).

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**The Social Innovators Camp**

Have you noticed a problem in your neighborhood or community you think you could solve? Do you have an idea of how to improve the quality of life for those in need, educate others about environmental issues, or simply bring joy to others? Work in teams to develop a plan to combat an existing (or potential) social/environmental issue or need in your community, all while earning Student Service Learning (SSL) hours. In this camp, you will learn how to utilize resources, gain and engage supporters, launch a public service campaign, and most importantly, how to make a positive and lasting impact in your society using your innovative mindset. At the end of the week, you will have all the tools you need to put your idea into action, and the opportunity to present your plans to local community leaders for feedback about your impact. MCPS has approved this camp session for 10 Student Service Learning (SSL) hours, provided MCPS is practicing remote learning.

**Instructors:** Southern Management Leadership Program (SMLP) Scholars Ashley-Ann Waaldijk, and Franco Edah with support from Professor Rebecca Razavi, Faculty and Director of SMLP

Materials required at home: computer with microphone and webcam capability. Access to the internet and a non-MCPS Google account to utilize Google Docs and Slides. Information will be available for download. The camp includes direct instruction and independent work. Instructions will be available for the entire camp session, including during independent work. Instruction via Zoom

**Course:** YTH365  
**12.5 Hours**

$120 + $30 fee = $150; NMR add $25

**Online:** Structured Remote

**Ages 11–14**

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Toy Theater
Toy theater is theater performance...but little! This art form uses small, table top stages with characters made up of toys or paper. Toy theater dates back to the early 19th century—once a popular form of home family entertainment. Now, toy theater is having a major comeback among puppeteers and other types of artists. Come join in on the toy theater fun! In this camp, you will develop your own toy theater performance from the beginning stages of writing a story to learning ways to make props, characters and stages, and practice professional techniques for moving with your creations. We will also learn the history of toy theater and learn some fun stage tricks.

Instructor: Meredith Carver
Materials required from home: Cardboard strips and pieces to cut (thin not thick is ideal, various sizes ok), Medium cardboard box, heavy duty scissors, hot glue or tacky glue (depending on age), pencil, paper, stapler, masking tape, string (thin twine or fishing line), (optional: wire hanger for bending into a handle).

Live online instruction via Zoom.
Course: YTH343 6 Hours
$50 + $30 fee = $80; NMR add $25
Online: Structured Remote
Ages 8–11
CRN#: 46492 3 Sessions M W F
6/28-7/2 10 a.m.-12 p.m.
CRN#: 16293 3 Sessions M W F
7/12-7/16 1-3 p.m.

Traveling History: The 19th Amendment (100th Anniversary of Woman’s Suffrage)
“Mr. President, How Long Must We Wait?” Learn how this call for women’s suffrage helped shape U.S. history. Together, we’ll virtually explore remarkable historic sites and artifacts in Washington, D.C., that pay tribute to the fight for voting rights for women in the United States. You will participate in engaging discussions highlighting key leaders of the Women’s Suffrage Movement including Susan B. Anthony, Ida B. Wells, Sojourner Truth, and Lucretia Mott. We’ll also research and discuss the importance of the 1848 Seneca Falls Convention. Get ready to explore the journey of American women in this exciting online opportunity! You will choose a current topic and create your ideas to advocate for change and improvement in your community.

MCPS has approved this camp session for 10 Student Service Learning (SSL) hours.
Instructor: Jerome Price
Campers must provide these supplies (not provided by MC): computer, internet access, paper, pencils/pens. Online format: Live instruction via Zoom. The length of the live instruction will vary by day. You will have some independent work assigned.
Course: YTH239 15 Hours
$145 + $30 fee = $175; NMR add $25
Online: Structured Remote
Ages 11–14
CRN#: 16325 5 Sessions M T W R F
7/26-7/30 1:30-4:30 p.m.
Uplifting Our Reading and Critical Thinking: A Seminar on Jason Reynolds
The words “Black Lives Matter” will be forever etched in our brain after the summer of 2020, if they weren’t already. But how do young people read about, understand, and explore these sensitive topics intelligently? Jason Reynolds to the rescue! Jason Reynolds is a relatable, native Washingtonian in his 30s. He is also a New York Times bestselling author, a Newbery Award Honoree, a Printz Award Honoree, National Book Award Finalist and two-time Longlisted author, a Kirkus Award winner, a two-time Walter Dean Myers Award winner, an NAACP Image Award Winner, and the recipient of multiple Coretta Scott King Award honors. This fall, students will hone their reading, writing, and discussion skills through a seminar on this very important, inspirational author. We will be focusing on his most recent book for young people—Stamped: Racism, Antiracism, and You. See you there! You are responsible for purchasing the book.

Instructor: Jessica Hall
Course: YTH332  15 Hours
$145 + $30 fee = $175; NMR add $25
Online: Structured Remote
Ages 11–17
CRN#: 46472  5 Sessions  M T W R F
6/28-7/2  1-4 p.m.

Web Design
Learn to make your own website and how to take professional pictures and import them to your site. The worlds of Web and visual arts collide in this cutting-edge introductory course. Explore the basics of color theory and make your website pop with dynamic animations created in HTML5 and CSS. Create anything from a basic web page to an innovative, artistic site with interactive functions. Then publish your vision online to share with friends, family, our summer web camps and the world to see! In order to publish your projects on free web space, you will need an e-mail account prior to the first day of class. Please remember to keep your password in a safe place.

Instructor: David Hill
Materials required at home: A PC/Laptop Windows 7 or later with internet access and a webcam. A free Scratch account from scratch.mit.edu will be set up on the first day of camp. Online format: The schedule of the day (times are approximate and are modified based on the needs of the students): 9am-Noon and 1–3 p.m., direct instruction. The last hour of each of these sessions will be flex enrichment and help sessions to keep you on track with your project. No camp from noon–1 p.m.

Course: YTH339  60 Hours
$490 + $30 fee = $520; NMR add $25
Online: Structured Remote
Ages 11–13
CRN#: 46571  10 Sessions  M T W R F
6/21-7/2  9 a.m.-3 p.m.
CRN#: 16290  10 Sessions  M T W R F
7/19-7/30  9 a.m.-3 p.m.

Writing for the SAT and ACT
Prepare for the writing section of the SAT and ACT. Analyze typical essay prompts and sample responses. Learn to support your opinions by using your own experiences and readings to accomplish the task of writing a persuasive prompt. Using logical thinking, enhance your awareness of the structure of your arguments and avoid fallacies in reasoning. Practice writing the parts of an essay, composing entire essays, and revising and evaluating your own writing and that of your peers. Engage in group games and activities to heighten your knowledge and skill set of grammar and test taking skills. Increase your ability to write in timed situations. Add rhetorical strategies to your repertoire of writing skills and improve your understanding of Standard English usage through instruction, individual and group practice. Enhance your skill set for the multiple choice questions on both tests. In small groups break apart all types of multiple choice questions to arrive at effective methods for answering multiple choice questions. Practice skills learned and take practice tests to heighten your comfort with the testing situation.

Instructor: Jennifer Bauer
Materials required at home: a computer, access to Zoom, Google Classroom, a non-MCPS gmail account, pen/pencil, paper, highlighter, folder to hold materials. Live instruction via Zoom
Course: YTH106  30 Hours
$270 + $30 fee = $300; NMR add $25
Online: Structured Remote
Ages 11–14
CRN#: 16173  10 Sessions  M T W R F
7/5-7/16  9 a.m.-12 p.m.

Yoga, Meditation and Story-Telling: Developing Flexibility and Having Fun!
All bodies and minds benefit from the development of a yoga and meditation practice. In this camp, students will learn and practice yoga poses that are both fun and beneficial! They will also do fun games, partner poses, and learn a few words in Sanskrit! The benefits of developing a yoga practice for a young person include building self-esteem, increasing flexibility and strength, learning stress management, learning respect for self and others, managing growing pains, and improving focus. Will also include some writing.

Instructor: Jessica Hall
Materials required at home: Paper, pencils, colored pencils. Online format: Live instruction via Zoom
Course: YOU981  15 Hours
$145 + $30 fee = $175; NMR add $25
Online: Structured Remote
Ages 8–10
CRN#: 16237  5 Sessions  M T W R F
8/2-8/6  1-4 p.m.
Abrakadoodle, one of the most well-established art education companies of its kind, inspires kids to reach beyond and create art that is unique to them. Offering extensive art classes for children of all ages, the goal is to help students develop their technical skills, gain an appreciation of artistic expression, build confidence, individually and as a part of a group, and experience other academic subject matter from an artistic perspective using the full range of visual arts media. All lessons are scaled to the age level designated in each camp, and are progressively more challenging and nuanced in the concepts and techniques presented to reflect students’ abilities.

Stephanie Burke EdS.—Abrakadoodle of Greater Silver Spring
Nancy Delasos—Abrakadoodle of Montgomery County

**Build-It! Art Camp**

Kids are natural builders and this camp is all about building really cool stuff like large-scale sculptures, amazing structures, imaginative creatures, games and more. Kids work with a variety of tools and materials while combining wood, paint, glue, connectors, paper and kids’ endless imaginations. Camp Build It encourages collaboration as well as the development of individual skills and brain power. Make new friends, develop skills and confidence, and create awesome projects!

Note: this is a face-to-face camp. The class size will be limited to allow for social distancing. A lunch break will be from noon-1p.m. in the classroom or at a safe location outside, weather dependent. If the college does not permit camps on campus during the scheduled time, the camp will be cancelled and a full refund will be issued.

**Course:** YTH243  
**10 Hours**  
$120 + $30 fee = $150; NMR add $25

**Online:** Structured Remote

**Ages 6–10**

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<th>CRN#: 16307</th>
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**Ages 11–17**

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**Drawsters—Animé**

Come study the fun and beautiful Japanese art of Animé. Learn how to create the unique look that is Animé, starting with the basics of head and facial features, then adding body shapes, hands and feet and body motion. We’ll explore animal Animé, chibis, mecha and more. Use shapes, colors and techniques to produce your own unique finished Animé characters and put it all together to write and illustrate a graphic novel.

**Course:** YTH242  
**10 Hours**  
$120 + $30 fee = $150; NMR add $25

**Online:** Structured Remote

**Ages 6–10**

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**Ages 11–17**

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**Drawsters—Cartoon Creations**

Everyone loves a little whimsy! Abrakadoodle’s one-of-a-kind drawing program will introduce artists to the creative world of cartooning by launching imaginations with spaceships and rockets, bouncing with Balloon People, and dreaming about what animals love. You will learn about symbolism on welcome flags, explore music in the whimsical art of Sandra Boynton, and create fun geometric characters in the tradition of kid-friendly cartoon artist Ed Emberly. And no cartooning adventure is complete without the art of the comic strip! Each student will create his or her own comic frame featuring the traditional elements of characters and dialogue. Sequential lessons allow children to build drawing skills while gaining confidence.

**Course:** YTH243  
**10 Hours**  
$120 + $30 fee = $150; NMR add $25

**Online:** Structured Remote

**Ages 6–10**

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**Ages 11–17**

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Drawsters—Draw Rah, Rah!
Cheer on your imagination in Abrakadoodle’s drawing program that focuses on the creative process. Students develop drawing skills that can be applied to all sorts of projects and imaginative adventures. They learn about line drawing, patterning, perspective, creating unusual environments and other drawing techniques. Drawsters will explore the colorful art form of popular artist Romero Britto. Create illustrations inspired by Susan Stockdale’s underwater environments and design magical creatures and gardens in her style. Each lesson provides skill development and imaginative applications. Confidence in drawing abilities will be emphasized. Each child creates art that is as unique as he or she is!

Course: YTH245 10 Hours
$120 + $30 fee = $150; NMR add $25
Online: Structured Remote
Ages 6–10
CRN#: 46498 5 Sessions M T W R F
6/28-7/2 9:30-11:30 a.m.

Ages 11–17
CRN#: 16309 5 Sessions M T W R F
7/5-7/9 1-3 p.m.

Drawsters—Drawing Upon the Imagination
Abrakadoodle takes drawing to a whole new level by incorporating drawing into the creative process. Inspiration comes from Dog Mountain, Vermont, home to artist Stephen Huneck who creates friendly, curious dogs, all the way to Japan, where artist Takashi Murakami has rock star status as the creator of cartoon characters. Through Abrakadoodle’s unique Drawsters program, children learn skills that will last them a lifetime and help their imaginations take flight.

Course: YTH244 10 Hours
$120 + $30 fee = $150; NMR add $25
Online: Structured Remote
Ages 6–10
CRN#: 46499 5 Sessions M T W R F
6/21-6/25 9:30-11:30 a.m.

Ages 11–17
CRN#: 16300 5 Sessions M T W R F
6/28-7/2 1-3 p.m.

Drawsters—EZ Draw
Everyone can draw! In fact, you already know how to draw many things such as shapes, letters, numbers and more. Combine what you already know with some EZ techniques and the possibilities are endless! Create farm animals, buildings, people, abstract art, and visual poetry using skills you have and EZ drawing techniques. The results are amazing! Learn about innovative American artist Saul Steinberg and his creative use of dots and lines; the centuries-old tradition of Illuminated Manuscripts; and, combine poetry and drawing like French poet and artist Guillaume Apollinaire. Even learn to draw super letters that can be used for cards, posters, and projects. Drawing success is as simple as A-B-C!

Course: YTH246 10 Hours
$120 + $30 fee = $150; NMR add $25
Online: Structured Remote
Ages 6–10
CRN#: 16310 5 Sessions M T W R F
7/26-7/30 9:30-11:30 a.m.

Ages 11–17
CRN#: 16311 5 Sessions M T W R F
8/2-8/6 1-3 p.m.

Drawsters—Geometric Wonders
Oh, the wondrous things shapes can do! Geometric shapes are the basis to design buildings, invent a flag, draw a still life, and more! Learn to use a simple drawing tool that can make geometric shapes for beautiful drawings ranging from abstraction to architecture to character design. Learn about architecture from a few angles: the centuries – old structure of Chinese pagodas, the wonder of cutting-edge building design in Dubai, and Gothic stained glass rose windows. Compose polygon drawings inspired by Chinese tangrams and Taiwanese painter Shaiu-Peng Chen. Create sleek, modern characters in the style of French artist Christopher Bettig. Hop on a Pop Art Bus to complete the fun while learning about contemporary New York artist Marco!

Course: YTH247 10 Hours
$120 + $30 fee = $150; NMR add $25
Online: Structured Remote
Ages 6–10
CRN#: 16312 5 Sessions M T W R F
8/2-8/6 9:30-11:30 a.m.

Ages 11–17
CRN#: 16313 5 Sessions M T W R F
8/9-8/13 1-3 p.m.
Drawsters—I Like to Move It!
Drawing can be so much fun when you move it! Create drawings that incorporate driving, flying, flapping, biking, running, playing soccer, dancing, skateboarding, riding roller coasters, and even orbiting in outer space! Learn about aviation art, movement in drawing, light and shadow, and popular advertising while also learning about contemporary artists such as American painter Craig Randall, Brazilian artist Luiz Cavalli, and the long-running American show Imagination Station’s mastermind, Mark Kistler. Design shoes while learning about the Girls Gotta Run Foundation that raises money to provide running shoes for Ethiopian girls. Understand that there are all kinds of talented artists, like Alaska’s Erik Behnke, a whimsical wildlife artist who has Down syndrome and autism. Even celebrate World Cup 2010 with South African artist Esther Mahlangu and her Ndebele style!

**Course:** YTH248  
**10 Hours**  
$120 + $30 fee = $150; NMR add $25  
**Online:** Structured Remote  
**Ages 6–10**  
CRN#: 16314  
7/19-7/23  
5 Sessions  
M T W R F  
9:30-11:30 a.m.  
**Ages 11–17**  
CRN#: 16315  
7/26-7/30  
5 Sessions  
M T W R F  
1-3 p.m.

Drawsters—Who’s That Character?
Kids all around the world love cartoon characters! Learn about the creators, artists and designers of these loveable characters! We’ll draw fairies, superheroes, cuddly animals and more! Some of the creators include Scottish playwright J.M. Barrie, who imagined Tinker Bell in his book Peter Pan; Bob Kane, a doodler who sketched his first Batman image while he was still a teenager; Charles M. Schulz, who drew the popular comic strip Peanuts featuring the beloved Snoopy character for fifty years; and, George Lerner, who invented Mr. Potato Head using vegetables from his own family garden! Other popular characters come from around the world including Japan, Belgium, France and Canada. And of course, the series would not be complete without Abrakadoodle’s own adorable Splat, the cheerful doodling dog created by multi-talented American artist Joan McGurren. Learn about these fabulous artists and their characters—and create some of your own characters in the process!

**Course:** YTH250  
**10 Hours**  
$120 + $30 fee = $150; NMR add $25  
**Online:** Structured Remote  
**Ages 6–10**  
CRN#: 16318  
7/12-7/16  
5 Sessions  
M T W R F  
9:30-11:30 a.m.  
**Ages 11–17**  
CRN#: 16319  
7/19-7/23  
5 Sessions  
M T W R F  
1-3 p.m.

Drawsters Sketcher Kids
Learn how to draw and sketch what you see and even what you don’t see! Sketcher Kids will create their own personal sketchbooks just like professional artist. They’ll learn a variety of techniques and secrets that make drawing both easy and entertaining. They’ll have fun with cats, viewfinders, kid drawing and a variety of drawing materials and exercises. At the end, they will have developed their own personal style!

**Course:** YTH249  
**10 Hours**  
$120 + $30 fee = $150; NMR add $25  
**Online:** Structured Remote  
**Ages 6–10**  
CRN#: 16316  
8/9-8/13  
5 Sessions  
M T W R F  
9:30-11:30 a.m.  
**Ages 11–17**  
CRN#: 16317  
8/16-8/20  
5 Sessions  
M T W R F  
1-3 p.m.

Dreaming of the Future Camp
What does the future hold for you? Will you design tall buildings and spectacular bridges? Will you explore outer space? Will you solve important mysteries? Will you drive the fastest car on earth? Or perhaps help other people in the kindest ways? Join us as we dream of life as architects, space explorers, super sleuths, race car drivers, and superheroes! We’ll dream up futuristic cities, imagine flying through outer space, find missing animals, create Zoom Zoom paintings, and fly off on important missions to help others.

Note: this is a face-to-face camp. The class size will be limited to allow for social distancing. A lunch break will be from noon-1 p.m. in the classroom or at a safe location outside, weather dependent. If the college does not permit camps on campus during the scheduled time, the camp will be cancelled and a full refund will be issued.

**Course:** YTH354  
**32.5 Hours**  
$250 + $50 fee = $300; NMR add $25  
**Rockville Campus**  
**Ages 6–10**  
CRN#: 16330  
8/2-8/6  
5 Sessions  
M T W R F  
9 a.m.-3:30 p.m.  
**Ages 11–17**  
CRN#: 16331  
8/9-8/13  
5 Sessions  
M T W R F  
9 a.m.-3:30 p.m.
FAB Art—Fun And Beautiful

Everything we create is FAB—Fun And Beautiful as we explore watercolor techniques, papers, 3D art and perspective. Design FUN art featuring unique masks, fish that grow and even lovable minions. Create BEAUTIFUL art as we fold and cut paper in unique ways, paint tonal gradations, learn to crop images, and invent your own designs. Let your creativity flow to make FAB art!

Course: YTH351 10 Hours
$120 + $30 fee = $150; NMR add $25
Online: Structured Remote
Ages 6–10
CRN#: 16320 5 Sessions M T W R F
8/23-8/27 9:30-11:30 a.m.

WOW Paper!

Think about all the ways you could use paper—would you fold, tear, score, emboss, fringe or even punch it? In this class you’ll learn about some interesting techniques that are fun, sometimes messy, but always really useful. Projects may include paper mache, origami, tritetraflexagons, and collage.

Course: YTH352 10 Hours
$120 + $30 fee = $150; NMR add $25
Online: Structured Remote
Ages 11–17
CRN#: 16322 5 Sessions M T W R F
8/23-8/27 1-3 p.m.

3D Game Design with Unity

With Unity, an industry-grade design software, aspiring game designers will learn level editing, 3D modeling, impactful gameplay creation, as well as how to utilize scripts and variables. Come take your game design skills to another level. Your game will be available on a password protected Black Rocket website to share with friends and family. If you are a returning student, you can create more advanced projects that build on previous years. Materials required at home: Compatible with MAC and Windows OS only and requires a 64-bit operating system. Please review technical specifications at https://blackrocket.com/online-tech-specs. Live instruction online.

Course: YTH328 12 Hours
$115 + $30 fee = $145; NMR add $25
Online: Structured Remote
Ages 8–11
CRN#: 16205 4 Sessions T W R F
7/6-7/9 1:30-4:30 p.m.
No class 7/5

Ages 11–14
CRN#: 16206 4 Sessions T W R F
7/6-7/9 9:30 a.m.-12:30 p.m.
No class 7/5
3D Game Labs with Unity

Are you ready to take your game design skills to another level? With Unity, an industry-grade design software, aspiring game designers will learn level editing, 3D modeling, impactful gameplay creation, as well as how to utilize scripts and variables. Student-created games will be available on a password protected Black Rocket website to share with friends and family. Students will work in pairs or teams for most of the program. Returning students can create more advanced projects that build on previous years. Materials required at home: Compatible with MAC and Windows OS only and requires a 64-bit operating system. Please review technical specifications at https://blackrocket.com/online-tech-specs. Live instruction online.

Course: YOU993 15 Hours
$130 + $30 fee = $160; NMR add $25
Online: Structured Remote
Ages 8–11
CRN#: 16169 5 Sessions M T W R F
8/16-8/20 9:30 a.m.-12:30 p.m.

Ages 11–14
CRN#: 16170 5 Sessions M T W R F
8/16-8/20 1:30-4:30 p.m.

App Attack!

Take the first steps into the world of mobile app design and customize your own game app! Using a specialized app and game development tool, students will explore the world of web-based (HTML5) mobile apps. In addition to learning the basics of mobile app design and game development, you will also see firsthand how the world of App publishing functions. Student-created apps will be accessible on a private site and can be played on any mobile device or computer. Publishing to App Stores not included. Students do not need to own a smartphone to take this class. If you are a returning student, you can create more advanced projects that build on previous years. Materials required at home: Compatible with Windows OS only. Please review technical specifications at https://blackrocket.com/online-tech-specs. Live instruction online.

Course: YOU987 15 Hours
$130 + $30 fee = $160; NMR add $25
Online: Structured Remote
Ages 8–11
CRN#: 46454 5 Sessions M T W R F
6/28-7/2 9:30 a.m.-12:30 p.m.
CRN#: 16171 5 Sessions M T W R F
8/9-8/13 9:30 a.m.-12:30 p.m.

Ages 11–14
CRN#: 46455 5 Sessions M T W R F
6/28-7/2 1:30-4:30 p.m.
CRN#: 16172 5 Sessions M T W R F
8/9-8/13 1:30-4:30 p.m.

App.IO: Make Your First Multiplayer App!

The hottest new Apps are IO apps! If you like to play Agar.io or Slither.io you will love this class! Become the creator of the next viral web app! In this class, explore the most popular .IO apps, design your own multiplayer experience and learn how to code your own app. Your app will be accessible on a private site and can be played on any mobile device or computer. Publishing to App Stores not included. You do not need to own a smartphone to take this class. If you are a returning student, you can create more advanced projects that build on previous years. Materials required at home: Compatible with Windows OS only. Please review technical specifications at https://blackrocket.com/online-tech-specs. Live instruction online.

Course: YOU939 15 Hours
$130 + $30 fee = $160; NMR add $25
Online: Structured Remote
Ages 8–11
CRN#: 16174 5 Sessions M T W R F
7/26-7/30 9:30 a.m.-12:30 p.m.

Ages 11–14
CRN#: 16175 5 Sessions M T W R F
7/26-7/30 1:30-4:30 p.m.

Battle Royale: Make Your First Fortnite® Style Video Game

Fans of Fortnite we need you! Instead of playing the game, design your own. Using a professional 3D game development software, build levels and assets inspired by popular battle royale games like Fortnite. You can participate in eSports League matches against other schools across the country with a chance to have your levels featured in the Black Rocket master build of the game! This course includes cartoonish action and battle sequences. Your game will be available on a password protected Black Rocket website to share with friends and family. Materials required at home: Compatible with MAC and Windows OS only and requires a 64-bit operating system. Please review technical specifications at https://blackrocket.com/online-tech-specs. Live instruction online.

Course: YOU988 15 Hours
$130 + $30 fee = $160; NMR add $25
Online: Structured Remote
Ages 8–11
CRN#: 16176 5 Sessions M T W R F
7/19-7/23 9:30 a.m.-12:30 p.m.
CRN#: 16178 5 Sessions M T W R F
8/9-8/13 9:30 a.m.-12:30 p.m.

Ages 11–14
CRN#: 16177 5 Sessions M T W R F
7/19-7/23 1:30-4:30 p.m.
CRN#: 16179 5 Sessions M T W R F
8/9-8/13 1:30-4:30 p.m.
Code Breakers
Calling all future coders, programmers, and designers! Learn the basics of coding languages like HTML, JavaScript, and CSS through a series of web projects and design challenges each day and be on your way to becoming the next tech star! Whether you want to be a silicon valley CEO or the high school student who just made $1 million dollars for programming in their bedroom, this course has the essentials you need to begin your journey. Your projects will be available on a Black Rocket website to share with friends and family. Returning students can create more advanced projects that build on previous years. Materials required at home: Compatible with MAC, Windows and Chrome OS. Please review technical specifications at https://blackrocket.com/online-tech-specs.
Live instruction online.
Course: YOU658 15 Hours
$130 + $30 fee = $160; NMR add $25
Online: Structured Remote
Ages 8–11
CRN#: 46461 5 Sessions M T W R F
6/21-6/25 9:30 a.m.-12:30 p.m.
CRN#: 16180 5 Sessions M T W R F
7/19-7/23 1:30-4:30 p.m.
CRN#: 16182 5 Sessions M T W R F
8/16-8/20 1:30-4:30 p.m.
Ages 11–14
CRN#: 46462 5 Sessions M T W R F
6/21-6/25 1:30-4:30 p.m.
CRN#: 16181 5 Sessions M T W R F
7/19-7/23 9:30 a.m.-12:30 p.m.
CRN#: 16183 5 Sessions M T W R F
8/16-8/20 9:30 a.m.-12:30 p.m.

Code Your Own Adventure! Interactive Storytelling
Watch as the characters in your imagination come to life in this unique course that blends classic storytelling with animation techniques and coding. Start with a concept, design the characters, and choose not just one ending, but many! Learn how to create your own text-based adventure games with variables, conditional logic, images, HTML, CSS, and Twine scripting syntax. Your project will be available on a password protected Black Rocket website to share with friends and family. Materials required at home: Compatible with MAC, Windows and Chrome OS. Please review technical specifications at https://blackrocket.com/online-tech-specs.
Live instruction online.
Course: YOU943 15 Hours
$130 + $30 fee = $160; NMR add $25
Online: Structured Remote
Ages 8–11
CRN#: 16184 5 Sessions M T W R F
7/26-7/30 9:30 a.m.-12:30 p.m.
CRN#: 16186 5 Sessions M T W R F
8/16-8/20 1:30-4:30 p.m.
Ages 11–14
CRN#: 16185 5 Sessions M T W R F
7/26-7/30 1:30-4:30 p.m.
CRN#: 16187 5 Sessions M T W R F
8/16-8/20 9:30 a.m.-12:30 p.m.

eSports Apprentice—Streamers and Gamers
Whether you want to be the next pro gamer, streamer, or gamecaster this course will teach you the basics to get started! No longer just a hobby, eSports is the fastest-growing career for the next generation. Over 400 million people watched YouTube videos and Twitch streams of video game competitions this year alone! In this course, you will develop game-play skills and compete using Black Rocket’s eSports games and apps, learn how to produce commentary for live tournaments, use professional streaming software, and most importantly practice online safety. Your recordings will be available on a password protected website to share with friends and family. Videos are not broadcasted publicly but will be shared with all students in the class. Materials required at home: A webcam is required for this course. Software is compatible with MAC and Windows OS only. Please review technical specifications at https://blackrocket.com/online-tech-specs.
Live instruction online.
Course: YTH318 12 Hours
$115 + $30 fee = $145; NMR add $25
Online: Structured Remote
Ages 8–11
CRN#: 16203 4 Sessions T W R F
7/6-7/9 1:30-4:30 p.m.
No class 7/5
Ages 11–14
CRN#: 16204 4 Sessions T W R F
7/6-7/9 9:30 a.m.-12:30 p.m.
No class 7/5
### eSports Apprentice—Streamers and Gamers

**Course:** YOU990  
15 Hours

$130 + $30 fee = $160; NMR add $25

**Online:** Structured Remote

**Ages 8–11**
- CRN#: 16201  
- 5 Sessions  
- M T W R F  
- 7/26-7/30  
- 1:30-4:30 p.m.

**Ages 11–14**
- CRN#: 16202  
- 5 Sessions  
- M T W R F  
- 7/26-7/30  
- 9:30 a.m.-12:30 p.m.

### Inventor’s League—Prototyping for the Future!

Become an inventor of the future! Learn ‘rapid prototyping’ and problem solving as you conceptualize and design a product to solve a critical global issue. Each day begins with inspirational profiles of young inventors, such as the eleven-year-old who coded a robot to find victims of natural disasters. Next, research a problem to tackle in medicine, architecture, the environment, or a topic of your choosing. Once your vision is complete, learn how to draft 2D designs, create 3D models, and develop a website to pitch your ideas to the class. Your project will be available on a password protected Black Rocket website to share with friends and family. Materials required at home: Compatible with MAC and Windows OS only. Please review technical specifications at https://blackrocket.com/online-tech-specs. Live instruction online.

**Course:** YTH206  
15 Hours

$130 + $30 fee = $160; NMR add $25

**Online:** Structured Remote

**Ages 8–11**
- CRN#: 46464  
- 5 Sessions  
- M T W R F  
- 6/21-6/25  
- 9:30 a.m.-12:30 p.m.

- CRN#: 16210  
- 5 Sessions  
- M T W R F  
- 7/12-7/16  
- 9:30 a.m.-12:30 p.m.

**Ages 11–14**
- CRN#: 46468  
- 5 Sessions  
- M T W R F  
- 6/21-6/25  
- 1:30-4:30 p.m.

- CRN#: 16211  
- 5 Sessions  
- M T W R F  
- 7/12-7/16  
- 1:30-4:30 p.m.

### JavaScript Developer Jam

Learn programming tools so powerful they seem like magic! Start by learning an array of core programming concepts with JavaScript by experimenting in a series of digital challenges. After you program your first animated memes, you will then tackle more advanced skills such as interactive 3D experiences and game creation. Projects will be available on a password protected Black Rocket website to share with friends and family. Materials required at home: Compatible with MAC, Windows and Chrome OS. Please review technical specifications at https://blackrocket.com/online-tech-specs. Live instruction online.

**Course:** YTH329  
12 Hours

$115 + $30 fee = $145; NMR add $25

**Online:** Structured Remote

**Ages 8–11**
- CRN#: 16197  
- 4 Sessions  
- T W R F  
- 7/6-7/9  
- 9:30 a.m.-12:30 p.m.

No class 7/5

**Ages 11–14**
- CRN#: 16198  
- 4 Sessions  
- T W R F  
- 7/6-7/9  
- 1:30-4:30 p.m.

No class 7/5

### Make Your First Video Game!

If you love playing video games, this is the camp for you! Make your first video game in this one-of-a-kind class that shows you the keys to designing your first 2D platformer game. Conceptualization, play experience, level design, graphics, sounds, and simple coding are just some of the concepts that we’ll explore. No prior experience necessary, just a desire to have fun. Your project will be available on a password protected Black Rocket website to share with friends and family. Games are only compatible on PC computers. Returning students can create more advanced projects that build on previous years. Materials required at home: Compatible with Windows OS only. Please review technical specifications at https://blackrocket.com/online-tech-specs. Live instruction online.

**Course:** YOU384  
15 Hours

$130 + $30 fee = $160; NMR add $25

**Online:** Structured Remote

**Ages 8–11**
- CRN#: 16191  
- 5 Sessions  
- M T W R F  
- 8/2-8/6  
- 1:30-4:30 p.m.

**Ages 11–14**
- CRN#: 16192  
- 5 Sessions  
- M T W R F  
- 8/2-8/6  
- 9:30 a.m.-12:30 p.m.
Minecraft® Modders
Customize your own Minecraft world and mod the classic game in this one of a kind class. Learn scripting and logic statements as you create your first mods. You will create a wide variety of new elements, gameplay mechanics, and world generating mods to change the way you play Minecraft. Your project will be available on a password protected Black Rocket website to share with friends and family. Students must own a Java version of Minecraft to take this class. Tablet, phone, and game console versions of Minecraft are not compatible. Returning students can create more advanced projects that build on previous years. Materials required at home: Compatible with MAC and Windows OS only. Students must have a Java version of Minecraft: Purchase Minecraft Java Edition. Please review technical specifications at https://blackrocket.com/online-tech-specs. Live instruction online.

Course: YOU659 15 Hours
$130 + $30 fee = $160; NMR add $25
Online: Structured Remote
Ages 8–11
CRN#: 46469 5 Sessions M T W R F
6/28-7/2 9:30 a.m.-12:30 p.m.
CRN#: 16225 5 Sessions M T W R F
8/9-8/13 9:30 a.m.-12:30 p.m.

CRN#: 46470 5 Sessions M T W R F
6/28-7/2 1:30-4:30 p.m.
CRN#: 16226 5 Sessions M T W R F
8/9-8/13 1:30-4:30 p.m.

Minecraft® Animators
Create the next popular animated Minecraft video on YouTube! Practice the same skills professionals at Pixar and Disney Animation Studios use. Discover the process of keyframing and tweening, how to use it to bring your own animated stories to life, and how to publish your content on YouTube. Your project will be available on a password protected Black Rocket website to share with friends and family. Mac users can play their project at home, but will not be able to edit the project without a PC. Returning students can create more advanced projects that build on previous years. Materials required at home: Compatible with Windows OS only. Please review technical specifications at https://blackrocket.com/online-tech-specs. Live instruction online.

Course: YTH330 12 Hours
$115 + $30 fee = $145; NMR add $25
Online: Structured Remote
Ages 8–11
CRN#: 16199 4 Sessions T W R F
7/6-7/9 9:30 a.m.-12:30 p.m.
No class 7/5

CRN#: 16200 4 Sessions T W R F
7/6-7/9 1:30-4:30 p.m.
No class 7/5

CRN#: 16196 5 Sessions M T W R F
8/23-8/27 1:30-4:30 p.m.

Minecraft® Designers
If you love the game Minecraft and always wanted to design your own world, this class is for you! Learn how to create a custom map, the basics of creating 3D models using a new software to design your very own objects, how to build with Redstone and Command blocks, and create custom textures for you to import at home or share with friends. Students must own a Java version of Minecraft to take this class. Tablet, phone, and game console versions of Minecraft are not compatible. Parent email address is required to use 3D modeling software. Returning students can create more advanced projects that build on previous years. Materials required at home: Compatible with MAC and Windows OS only. Students must have a Java version of Minecraft: Purchase Minecraft Java Edition. Please review technical specifications at https://blackrocket.com/online-tech-specs. Live instruction online.

Course: YOU561 15 Hours
$130 + $30 fee = $160; NMR add $25
Online: Structured Remote
Ages 8–11
CRN#: 16193 5 Sessions M T W R F
7/12-7/16 9:30 a.m.-12:30 p.m.
CRN#: 16195 5 Sessions M T W R F
8/23-8/27 9:30 a.m.-12:30 p.m.

Ages 11–14
CRN#: 16194 5 Sessions M T W R F
7/12-7/16 1:30-4:30 p.m.
CRN#: 16196 5 Sessions M T W R F
8/23-8/27 1:30-4:30 p.m.

Minecraft® Redstone Engineers
Take the next step beyond simply "playing" Minecraft and become a true Redstone engineer. Expand your Redstone knowledge by constructing your own carnival with a variety of mini-games, roller coasters, and attractions powered by Redstone. Learn how to use Command and Structure blocks to incorporate them into your builds. Activate your skills and take your Minecraft structures to the next level! You must own a Java version of Minecraft to take this class. Tablet, phone, and game console versions of Minecraft are not compatible. Materials required at home: Compatible with MAC and Windows OS only. Students must have a Java version of Minecraft: Purchase Minecraft Java Edition. Please review technical specifications at https://blackrocket.com/online-tech-specs. Live instruction online.

Course: YTH134 15 Hours
$130 + $25 fee = $155; NMR add $25
Online: Structured Remote
Ages 8–11
CRN#: 16227 5 Sessions M T W R F
7/26-7/30 9:30 a.m.-12:30 p.m.

CRN#: 16228 5 Sessions M T W R F
7/26-7/30 1:30-4:30 p.m.
**Pokémon® Masters: Designers & 3D Makers Unite!**

Calling all who want to be the designers of the future! In this class, if you can dream it, you can make it! Begin by creating your own digital Pokemon-style custom playing card game. Progress into designing action figures, jewelry, and toys in professional-level modeling software. Learn how to prepare a model for 3D printing and create a design portfolio to showcase your work! No prior experience is necessary and 3D designs will be available on a password protected Black Rocket website to share with friends and family. Materials required at home: Compatible with MAC and Windows OS only. Please review technical specifications at https://blackrocket.com/online-tech-sPCS. Live instruction online.

**Course: YTH207**  
15 Hours  
$130 + $30 fee = $160; NMR add $25

**Online: Structured Remote**  
**Ages 8–11**  
CRN#: 16230  
7/19-7/23  
9:30 a.m.-12:30 p.m.

CRN#: 16232  
8/2-8/6  
9:30 a.m.-12:30 p.m.

**Ages 11–14**  
CRN#: 16231  
7/19-7/23  
1:30-4:30 p.m.

CRN#: 16233  
8/2-8/6  
1:30-4:30 p.m.

**Python Programmers**

Learn how to code with Python to create engaging apps and games. Python is the world’s fastest-growing programming language favored by Google, NASA, Youtube, and the CIA. Learn how to code with Python to create engaging apps and games. Each lesson takes you step-by-step on a programming path that will let you challenge friends with fun content you create from start to finish! Returning students can create more advanced projects that build on previous years. Materials required at home: Compatible with MAC and Windows OS only. Please review technical specifications at https://blackrocket.com/online-tech-sPCS. Live instruction online.

**Course: YOU992**  
15 Hours  
$130 + $30 fee = $160; NMR add $25

**Online: Structured Remote**  
**Ages 8–11**  
CRN#: 16234  
7/12-7/16  
1:30-4:30 p.m.

CRN#: 16238  
8/9-8/13  
1:30-4:30 p.m.

**Ages 11–14**  
CRN#: 16235  
7/12-7/16  
9:30 a.m.-12:30 p.m.

CRN#: 16239  
8/9-8/13  
9:30 a.m.-12:30 p.m.

**ROBLOX® Coders and Entrepreneurs!**

Discover the Lua language through a visual block coding system while designing worlds in ROBLOX®, an online universe where you can create anything you dream of. This new class combines game design concepts, coding, and fun! As a young entrepreneur, you will also learn how to navigate ROBLOX’s fast-growing marketplace to publish your games. Your games will be available on a password protected Black Rocket website to share with friends and family. Materials required at home: Compatible with MAC and Windows OS only. Please review technical specifications at https://blackrocket.com/online-tech-sPCS. Live instruction online.

**Course: YOU989**  
15 Hours  
$130 + $30 fee = $160; NMR add $25

**Online: Structured Remote**  
**Ages 8–11**  
CRN#: 16240  
7/12-7/16  
9:30 a.m.-12:30 p.m.

CRN#: 16242  
8/2-8/6  
9:30 a.m.-12:30 p.m.

**Ages 11–14**  
CRN#: 16244  
6/21-6/25  
1:30-4:30 p.m.

CRN#: 16240  
7/19-7/23  
9:30 a.m.-12:30 p.m.

CRN#: 16242  
8/2-8/6  
9:30 a.m.-12:30 p.m.

**ROBLOX® Makers**

Unlock the power of ROBLOX® Studio, the world creation tool used by real-world ROBLOX® developers! Learn how to build 3D models and create an adventure in your ROBLOX® world. Bring characters to life with unique animations you design. Your project will be available on a password protected Black Rocket website to share with friends and family. Materials required at home: Compatible with MAC and Windows OS only. Please review technical specifications at https://blackrocket.com/online-tech-sPCS. Live instruction online.

**Course: YTH297**  
12 Hours  
$115 + $30 fee = $145; NMR add $25

**Online: Structured Remote**  
**Ages 8–11**  
CRN#: 16244  
7/6-7/9  
9:30 a.m.-12:30 p.m.

No class 7/5

**Ages 11–14**  
CRN#: 16246  
7/6-7/9  
1:30-4:30 p.m.

No class 7/5

(ROBLOX® Makers 15 hours on next page.)
ROBLOX® Makers
Unlock the power of ROBLOX® Studio, the world creation tool used by real-world ROBLOX® developers! Learn how to build 3D models and create an adventure in your ROBLOX® world. Bring characters to life with unique animations you design. Your project will be available on a password protected Black Rocket website to share with friends and family. Materials required at home: Compatible with MAC and Windows OS only. Please review technical specifications at https://blackrocket.com/online-tech-specs. Live instruction online.
Course: YTH208 15 Hours
$130 + $30 fee = $160; NMR add $25

Online: Structured Remote
Ages 8–11
CRN#: 16247 5 Sessions  M T W R F
8/16-8/20 9:30 a.m.-12:30 p.m.

Ages 11–14
CRN#: 16248 5 Sessions  M T W R F
8/16-8/20 1:30-4:30 p.m.

Video Game Animation
Take your game design skills to the next level by creating and animating your own character sprites, objects, and backgrounds. Start with a name, develop the character’s personality, signature moves, special powers, and a storyline. Finish with a fully animated character to be used in your very own game. You do not need any prior experience in game design, animation, or sketching. Your game will be available on a password protected Black Rocket website to share with friends and family. Materials required at home: Compatible with Windows OS only. Please review technical specifications at https://blackrocket.com/online-tech-specs. Live instruction online.
Course: YOU838 15 Hours
$130 + $30 fee = $160; NMR add $25

Online: Structured Remote
Ages 8–11
CRN#: 16251 5 Sessions  M T W R F
7/12-7/16 9:30 a.m.-12:30 p.m.

Ages 11–14
CRN#: 16252 5 Sessions  M T W R F
7/12-7/16 1:30-4:30 p.m.

Rocket Kart Racers: Design A Mario Kart® Style Game
On your marks, get set, create! Blast off in making your first 3D Mario Kart® and Crash Team Racing® style game! Design your own tracks and customize your karts and characters. Using a professional 3D game development software, students will combine their creations into their own kart racing game that they can play with friends and family at home. You can participate in eSports League races against other schools across the country with a chance to have your tracks featured in the Black Rocket master build of the game! Your project will be available on a password protected Black Rocket website to share with friends and family. Materials required at home: Compatible with MAC and Windows OS only and requires a 64-bit operating system. Please review technical specifications at https://blackrocket.com/online-tech-specs. Live instruction online.
Course: YTH139 15 Hours
$130 + $30 fee = $160; NMR add $25

Online: Structured Remote
Ages 8–11
CRN#: 16247 5 Sessions  M T W R F
6/28-7/2 9:30 a.m.-12:30 p.m.
CRN#: 16249 5 Sessions  M T W R F
8/2-8/6 9:30 a.m.-12:30 p.m.

Ages 11–14
CRN#: 16250 5 Sessions  M T W R F
6/28-7/2 1:30-4:30 p.m.
CRN#: 16250 5 Sessions  M T W R F
8/2-8/6 1:30-4:30 p.m.

Virtual Reality: The Future Is Now
Embark on an EPIC adventure in virtual reality! In this cutting-edge class, you will learn the foundations of VR design by creating your own virtual worlds, exploring simulated environments, and crafting memorable 3D experiences. At the end of the week, take home your first cardboard VR headset to show friends and family the new worlds you created. VR projects can be viewed on a website or mobile device. You do not need a mobile device to take the class, but will need access to a mobile device at home. VR projects will be available on a password protected Black Rocket website to share with friends and family. Materials required at home: Compatible with MAC, Windows and Chrome OS. Please review technical specifications at https://blackrocket.com/online-tech-specs. Live instruction online.
Course: YOU835 15 Hours
$130 + $30 fee = $160; NMR add $25

Online: Structured Remote
Ages 8–11
CRN#: 46477 5 Sessions  M T W R F
6/28-7/2 9:30 a.m.-12:30 p.m.
CRN#: 16249 5 Sessions  M T W R F
8/2-8/6 9:30 a.m.-12:30 p.m.

Ages 11–14
CRN#: 16478 5 Sessions  M T W R F
6/28-7/2 1:30-4:30 p.m.
CRN#: 16250 5 Sessions  M T W R F
8/2-8/6 1:30-4:30 p.m.

(ROBLOX® Makers 12 hours on previous page.)
YouTube® Content Creators
Explore the variety of content and personalities that exist on YouTube and how to find your own niche. Find your voice and leave your mark on the world! Whether you are six or sixty, it's time to start a career as the next YouTube star. Learn the Dos and Don'ts of the platform and how to practice good digital citizenship. Develop your on-camera presence, your own channel branding, and professional editing skills. Take home a plan for launching your own channel with the content created in class! Student projects will be available on a password protected Black Rocket website to share with friends and family. Materials required at home: A webcam is required for this course and it is compatible with MAC and Windows OS only. Please review technical specifications at https://blackrocket.com/online-tech-specs. Live instruction online.

Course: YTH209
15 Hours
$130 + $30 fee = $160; NMR add $25
Online: Structured Remote
Ages 8–11
CRN#: 46481
6/21-6/25
9:30 a.m.-12:30 p.m.
CRN#: 16259
7/12-7/16
1:30-4:30 p.m.
CRN#: 16261
8/9-8/13
1:30-4:30 p.m.
Ages 11–14
CRN#: 46473
6/21-6/25
1:30-4:30 p.m.
CRN#: 16260
7/12-7/16
9:30 a.m.-12:30 p.m.
CRN#: 16262
8/9-8/13
9:30 a.m.-12:30 p.m.

YouTube® FX Masters
Become a master of illusion by learning the techniques used by Hollywood masters to create FX magic. Whether you want to enhance your YouTube videos or create a cool scene to amaze your friends; this class teaches the tools you need. In the digital age, nothing is impossible! Experiment with visual effects as you learn the dynamics of camera angles, editing, graphic layering, and sound effects. Then watch as your new creations take your channel content to the next level! Student projects are available on a password protected Black Rocket website to share with friends and family. Materials required at home: A webcam is required for this course and it is compatible with MAC and Windows OS only, and required a 64-bit operating system. Please review technical specifications at https://blackrocket.com/online-tech-specs. Live instruction online.

Course: YTH335
15 Hours
$130 + $30 fee = $160; NMR add $25
Online: Structured Remote
Ages 8–11
CRN#: 46484
6/28-7/2
1:30-4:30 p.m.
CRN#: 16263
7/19-7/23
1:30-4:30 p.m.
CRN#: 16265
8/23-8/27
1:30-4:30 p.m.
Ages 11–14
CRN#: 46485
6/28-7/2
9:30 a.m.-12:30 p.m.
CRN#: 16264
7/19-7/23
9:30 a.m.-12:30 p.m.
CRN#: 16266
8/23-8/27
9:30 a.m.-12:30 p.m.
Michael Rosman’s Circus Camp

Be Amazed, Be Amused, and Be Excited to see what life is like under the Big Top!

Created by Michael Rosman, a graduate of Ringling Brothers & Barnum and Bailey Circus Clown College and veteran of many circus performances in both traditional American and Cirque style shows. Michael and his coaches have more than 20 years of experience teaching circus skills. Sneakers and comfortable clothing required.

Instructor: Michael Rosman’s Circus Camp Stars

Circus Camp Stars

Come explore the world of a circus performer—the traditions and the feel of being under the Big Top. Take part in a non-competitive and challenging art form that combines physical activity with cultural arts. Activities include acrobatics, juggling, improvisation, spinning plates and other circus experiences. Improvements in eye hand coordination, balance, and self-confidence are just some of the benefits of this camp. Sneakers and comfortable clothing required. Online format: Participants will have 2-hour sessions with a variety of coaches. Recorded videos will also be available for campers to watch over and over again to refine their skills. Supplies: A supply kit with over $55 worth of materials will be available for pick up the week before camp begins. The materials remain the property of the camper at the end of the session.

Course: YTH361 10 Hours
$140 + $55 fee = $195; NMR add $25

Online: Structured Remote

Ages 11–14
CRN#: 16347 5 Sessions M T W R F
7/19-7/23 10 a.m.-12 p.m.
CRN#: 16350 5 Sessions M T W R F
7/26-7/30 1-3 p.m.

Ages 8–11
CRN#: 16348 5 Sessions M T W R F
7/19-7/23 1-3 p.m.
CRN#: 16349 5 Sessions M T W R F
7/26-7/30 10 a.m.-12 p.m.

The Etiquette School of Maryland specializes in customized etiquette classes and seminars for children and teens. The Etiquette School of Maryland believes that understanding manners helps children build relationships, confidence, and self-esteem—leading to increased opportunities in school and in their personal life.

Modern Etiquette and Manners

Would you like to have fun while learning the skills to boost your confidence, increase your self-esteem and develop leadership skills? If so, this is the camp for you! You will learn social skills, communication skills, and table manners that will help you succeed in the classroom, at home, with peers—in short, in life. Topics include shaking hands, eye contact, introductions, respect for self and others, making conversation, cell phone manners, social media, texting, common courtesies, thank-you notes, sportsmanship, image, dealing with differences, dining skills, table settings, styles of dining, and more! You will receive a handbook and certificate of completion. NOTE: Interviewing tips and public speaking techniques are also included in the program for high school students.

Materials needed at home: Note: Substitutes are permitted—be creative! For example, you can use paper plates, plastic forks, etc. If you do not have a specific utensil, you can use a pencil in its place. These are only some ideas. If you need help thinking of substitutes, please contact the Youth Programs Office at YouthProgramsDirector@montgomerycollege.edu. Notebook, pencils, assorted crayons (grades 1-2), dinner plate, bread and butter plate, salad plate, bowl, glasses, dinner knife, salad knife, butter spreader or knife, dinner fork, salad fork, dessert fork, placemat, and a neck tie (for boys grades 6-12)

Course: YTH220 10 Hours
$160 + $30 fee = $190; NMR add $25

Online: Structured Remote

Ages 11–13
CRN#: 46456 5 Sessions M T W R F
6/21-6/25 10 a.m.-12 p.m.
CRN#: 46457 5 Sessions M T W R F
6/28-7/2 1-3 p.m.

Ages 14–17
CRN#: 46458 5 Sessions M T W R F
6/21-6/25 1-3 p.m.
CRN#: 46459 5 Sessions M T W R F
6/28-7/2 10 a.m.-12 p.m.
Future Resource Learning courses provide grade-appropriate activities that enable students to explore their personalities, necessary skill sets, and educational directions in pursuing a specific career or trade. Through a project-based curriculum, students are fully engaged in the active learning process. The goal is to establish a classroom environment that breeds teamwork, communication, and critical thinking.

We help students see the relevance of what they are learning and its connection to future opportunities and achievement of life goals. This will serve students in realizing not only their post-high school goals but also in other areas of their lives.

**Digital Abstract Art**
Learn how to utilize geometric forms to create abstract artworks in this digital painting camp. You will learn fundamental concepts such as form, composition, figure-ground relationships, and space. Come join your classmates and use your creativity. Live online instruction via Blackboard Collaborate.

**Course: YTH342** 7.5 Hours
$100 + $30 fee = $130; NMR add $25

**Online: Structured Remote**

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**Digital Illustration**
Learn how to create a series of illustrations using basic drawing fundamentals and fun digital tools. Lessons will cover animations, environments, postcards, and more using Sketchpad 4.1 and drawing tablets. Live online instruction via Blackboard Collaborate.

**Course: YTH347** 7.5 Hours
$100 + $30 fee = $130; NMR add $25

**Online: Structured Remote**

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<td>8/9-8/13</td>
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**Future Chefs**
Are you looking to develop, build upon and sharpen your culinary skills? Then Future Chefs is for you! Planned around a daily theme, each class is an entirely new experience that incorporates culinary skills that build over time into more complex food preparation and presentation. This camp is designed for students to cook without adult supervision however, parents are responsible for determining the level of supervision needed for their child. Please note, if you participated in Future Chefs in the past, there are new recipes for this camp. A list of ingredients will be sent to families at least one week before the class begins. Live online instruction via Blackboard Collaborate.

**Course: YTH350** 7.5 Hours
$100 + $30 fee = $130; NMR add $25

**Online: Structured Remote**

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<tr>
<th>Ages 8–14</th>
<th>CRN#</th>
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<td>8/23-8/27</td>
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<td>8/23-8/27</td>
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**Introduction to Graphic Design**
Learn to use digital tools along with your artistic skills to work with page layouts, photographs, webpage design, animations, illustrations, and more! Please note: this is an introduction course. If you are interested in exploring graphic design, then this course is for you! Live online instruction via Blackboard Collaborate.

**Course: YTH348** 7.5 Hours
$100 + $30 fee = $130; NMR add $25

**Online: Structured Remote**

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<th>Ages 11–14</th>
<th>CRN#</th>
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<td>16301</td>
<td>7/26-7/30</td>
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Science Art and Craft Adventures

This hands-on crafty class introduces you to the wonders of science through craft projects with everyday objects. The course combines art, craft, and STEAM-based activities showing you that science, technology, engineering, art, and math are all around us - and in everything we make and do! Each project features an easy to follow nationally aligned lesson plan and live instruction designed to fully engage students. A list of common household items required will be sent via email at least one week before camp begins. Each week-long session is different, so sign up for them all! Live online instruction via Blackboard Collaborate.

**Course: YTH360**  
2 Hours  
$25 + $20 fee = $45; NMR add $25  
**Online: Structured Remote**  
**Ages 5–7**  
CRN#: 46503  
6/29-7/1  
12:30-1:30 p.m.  
CRN#: 16345  
7/20-7/22  
12:30-1:30 p.m.  
CRN#: 16346  
8/3-8/5  
12:30-1:30 p.m.

Visual Arts (Digital Arts)

You will be introduced to visual art practices, including drawing and painting, sculpture, printmaking, photography, conceptual and installation art, video art, earthworks, and performance art, as well as craft and graphic design. Please note, this is an introduction course. If you are interested in exploring visual arts digitally, then this is the course for you! Live online instruction via Blackboard Collaborate.

**Course: YTH349**  
7.5 Hours  
$100 + $30 fee = $130; NMR add $25  
**Online: Structured Remote**  
**Ages 11–14**  
CRN#: 16302  
7/19-7/23  
10:30 a.m.-12 p.m.  
CRN#: 16351  
8/16-8/20  
2-3:30 p.m.

Marriott Hospitality Center Kid’s Kitchen

Welcome to The Marriott Hospitality Center Kid’s Kitchen Camps! All of our camps are taught in the Montgomery College’s Hospitality Management Program’s kitchen and are taught by professional instructors and Montgomery College Culinary Interns. We are so excited to share our passion for cooking and restaurant management with you this summer!

All students will receive an apron and recipes for all of the items made during their camps. We will also provide containers for the students to take home any extra food that they wish to take home from camps.

Please note that you are registering for an in-person camp on the Rockville campus. We are hoping to be able to deliver this camp. However, if it is determined that we cannot have youth on campus, this camp will be cancelled. It will not be offered online as an alternative. You will receive a 100% refund, or have the option of registering for a virtual camp.

**Instructor:** Jana Anderson, Department Chair, and MC Faculty

Budding Chef

Come learn the essential kitchen skills needed to master the fundamentals of cooking. We will cover all of the basics, such as how to handle knives, how to read and follow recipes, measuring and mixing, and the importance of kitchen safety. Each day, you will learn how to make a variety of recipes from the following categories: appetizers, salads, entrees, and desserts. You will also learn how to choose recipes in order to create and design menus of their own. By the end of the camp, you will be able to prepare a menu of your favorite recipes from each category, as if you were opening a restaurant of their own!

**Course: YTH337**  
5 Sessions  
$200 + $75 fee = $275; NMR add $25  
**Rockville Campus**  
**Ages 11–13**  
CRN#: 16272  
8/2-8/6  
9:30 a.m.-12:30 p.m.

Desserts, Desserts!

From ice-cream to pies, come learn to make the best part of any meal! Learning how to make cookies from scratch is just the beginning in this exciting camp. You will learn how to use only natural ingredients to make the most delicious desserts. Monday: Cookies, Tuesday: Ice-cream, mousse, and whipped cream, Wednesday: Breads and rolls, Thursday: Pies, Friday: Cakes. You will also learn how to make desserts that are dairy-free and gluten-free! Each day, you will work in teams, create a name for your team, and a unique name for the dessert that you will be making. If you are a budding baker who would love to open up their very own bakery one day, this is a great place to start!

**Course: YTH059**  
5 Sessions  
$200 + $75 fee = $275; NMR add $25  
**Rockville Campus**  
**Ages 11–13**  
CRN#: 16271  
8/9-8/13  
9:30 a.m.-12:30 p.m.
Middle School and High School Skills for Success with Don Milner

Don Milner returns with his very popular classes full of helpful hints and strategies to be a success in middle school and/or high school. Don Milner is a 18 year veteran Team Leader and Content Specialist. He has helped hundreds of students learn how to succeed in the SOS/Aggressive Learning Courses. Each class includes an optional parent’s session for free. His program has been awarded the Nancy Dworkin Award for Outstanding Service to Youth in Montgomery County.

www.milneredconsulting.com
milneredconsulting@gmail.com

College Application 101: How Do I Apply To College?

Getting ready for college is a big deal with huge decisions to make along the way. Come learn how to make an informed decision about your college options from a life coach. College Apps 101 is a course designed to guide you through the entire college application process. Materials required at home: a computer, tablet or Chromebook with access to Chrome for Google docs, forms and slides, a non-MCPS Google account. Synchronous online instruction via Google meet.

Course: YTH153 10 Hours
$210 + $30 fee = $240; NMR add $25

Online: Structured Remote

Ages 14–17
CRN#: 46486 5 Sessions M T W R F 6/21-6/25 2-4 p.m.
CRN#: 46487 5 Sessions M T W R F 6/28-7/2 5-7 p.m.
CRN#: 16277 5 Sessions M T W R F 7/5-7/9 2-4 p.m.
CRN#: 16278 5 Sessions M T W R F 7/12-7/16 5-7 p.m.

Ages 11–13
CRN#: 46488 5 Sessions M T W R F 6/21-6/25 2-4 p.m.
CRN#: 46489 5 Sessions M T W R F 6/28-7/2 2-4 p.m.
CRN#: 16285 5 Sessions M T W R F 7/5-7/9 2-4 p.m.
CRN#: 16286 5 Sessions M T W R F 7/12-7/16 2-4 p.m.

SLAM the Exam

If you are interested in applying to the Magnet middle or high school, then Students Learning to Achieve More (SLAM) on the Magnet is the course for you! This course is designed to give magnet school hopefuls a glimpse into the application process and ways to prep for the CogAt or HSPT assessment. The application process is very competitive—approximately one out of nine students are accepted. You will learn what skills are needed to improve your performance, develop a study plan, including a test preparation calendar, leading up to the winter assessment and learn what to expect on exam day. Parents, you can also learn how you can prep your students and support them throughout the application process. Synchronous online instruction. Materials required at home: a computer, tablet or Chromebook with access to Chrome for Google docs, forms and slides, a non-MCPS Google account.

Course: YTH338 16 Hours
$210 + $40 fee = $250; NMR add $25

Study Skills 101

Study Skills 101 is designed to provide background knowledge, resource materials, and suggestions that will relieve academic distress and help you optimize your success as a lifelong learner. Learning good study habits now will lay the groundwork for successful work habits as an adult. This course is academic relief at your fingertips! Learn to use academic and practical tools to increase your likelihood for success, including organizational tools, time management techniques, test preparation and test-taking strategies, note-taking guidance, and personal responsibility tips. Materials required at home: a computer, tablet or Chromebook with access to Chrome for Google docs, forms and slides, a non-MCPS Google account. Synchronous online instruction via Google meet.

Course: YTH144 10 Hours
$210 + $30 fee = $240; NMR add $25

Online: Structured Remote

Ages 11–12
CRN#: 46488 5 Sessions M T W R F 6/21-6/25 2-4 p.m.
CRN#: 46489 5 Sessions M T W R F 6/28-7/2 5-7 p.m.
Ages 13–14
CRN#: 16280 5 Sessions M T W R F 7/26-7/30 2-4 p.m.
Ages 14–17
CRN#: 16279 5 Sessions M T W R F 7/19-7/23 2-4 p.m.
CRN#: 16281 5 Sessions M T W R F 8/16-8/20 2-4 p.m.
CRN#: 16282 5 Sessions M T W R F 8/23-8/27 5-7 p.m.
**Summer SLAM**

Summer SLAM (Students Learning to Achieve More) will help you improve your study and executive functioning skills. Through interactive games and activities, come learn how to be successful in school and have fun at the same time. You will learn how to be more academically successful including how to prepare for quizzes and tests. **Please note that you are registering for an in-person camp on the Rockville campus. We are hoping to be able to deliver this camp. However, if it is determined that we cannot have youth on campus, this camp will be cancelled. It will not be offered online as an alternative. You will receive a 100% refund.**

**Course:** YTH151  **35 Hours**

$300 + $50 fee = $350; NMR add $25

**Rockville Campus**

**Ages 11–13**

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**Ages 14–17**

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**Yang Academy**

Faculty members from **Yang Academy** have worked with the Montgomery College Youth program since 2003, taught math and science classes to over 1,000 students who come from throughout the US and many countries around the world. Our half-day camps/classes offer many fun activities with much learning built in.

For more information about our camps, please contact Zenia Yang, zyang2@yangacademy.com.

**Please note: Grades listed are as of Fall 2021**

**Algebra I**

For students who will take Algebra 1 in the upcoming school year. Topics covered include factoring, linear and quadratic equations, higher-order polynomials, inequalities, absolute values, and application problems. Materials required at home: paper, pencils/pens, computer with a camera and microphone.

Live instruction via Zoom.

**Course:** YOU879  **15 Hours**

$170 + $50 fee = $220; NMR add $25

**Online: Structured Remote**

**Ages 11–13**

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<td>16152</td>
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Algebra II
For students who will take Algebra II, Honors Algebra II or AAF in the upcoming school year. Topics include the concept of a function, coordinates in a plane, straight lines, circles, parabolas, and application problems. Skills involving fractions and factoring are reinforced. Materials required at home: paper, pencils/pens, computer with a camera and microphone. Live instruction via Zoom.

Course: YOU883 15 Hours
$170 + $50 fee = $220; NMR add $25
Online: Structured Remote 5 Sessions
Ages 13–15
CRN#: 46442  M T W R F  6/21-6/25  1-4 p.m.
CRN#: 46443  M T W R F  6/28-7/2  1-4 p.m.
CRN#: 16138  M T W R F  7/12-7/16  1-4 p.m.
CRN#: 16139  M T W R F  7/19-7/23  1-4 p.m.
CRN#: 16140  M T W R F  7/26-7/30  1-4 p.m.
CRN#: 16141  M T W R F  8/2-8/6  1-4 p.m.
CRN#: 16142  M T W R F  8/9-8/13  1-4 p.m.

Chemistry
For students who will take chemistry or honors chemistry in the upcoming school year. Topics covered include unit analysis, atomic structure, periodic table of elements, chemical reactions and equations, molar relationships, and stoichiometry. Materials required at home: paper, pencils/pens, computer with a camera and microphone. Live instruction via Zoom.

Course: YOU898 15 Hours
$170 + $50 fee = $220; NMR add $25
Online: Structured Remote 5 Sessions
Ages 14–17
CRN#: 46440  M T W R F  6/28-7/2  1-4 p.m.

Biology
For students who will take biology or honors biology in the upcoming school year. Topics from major branches of biology will be covered: ecology, cell biology, genetics, and impact modern technology has made in the field of biology. Materials required at home: paper, pencils/pens, computer with a camera and microphone. Live instruction via Zoom.

Course: YOU897 15 Hours
$170 + $50 fee = $220; NMR add $25
Online: Structured Remote 5 Sessions
Ages 14–17
CRN#: 46441  M T W R F  6/21-6/25  1-4 p.m.

Creative Writing Workshop
In a relaxed environment, students tap into their creative ability, reinforce their knowledge of written English skills, and practice creative choices of vocabulary and structure through brainstorming, free-writing, and book discussions. Materials required at home: paper, pencils/pens, computer with a camera and microphone. Live instruction via Zoom.

Course: YOU903 15 Hours
$170 + $50 fee = $220; NMR add $25
Online: Structured Remote 5 Sessions
Ages 8–10
CRN#: 46450  M T W R F  6/21-6/25  1-4 p.m.
CRN#: 16159  M T W R F  7/12-7/16  1-4 p.m.
CRN#: 16161  M T W R F  7/26-7/30  1-4 p.m.
CRN#: 16163  M T W R F  8/9-8/13  1-4 p.m.

Ages 11–13
CRN#: 46451  M T W R F  6/28-7/2  1-4 p.m.
CRN#: 16160  M T W R F  7/19-7/23  1-4 p.m.
CRN#: 16162  M T W R F  8/2-8/6  1-4 p.m.

Geometry
For students who will take geometry, honors geometry, or magnet geometry in the upcoming school year. Topics covered will include properties of two-and three-dimensional geometric shapes and development of mathematical arguments about geometric relationships. Materials required at home: a compass with a straight edge, paper, pencils/pens, computer with a camera and microphone. Live instruction via Zoom.

Course: YOU880 15 Hours
$170 + $50 fee = $220; NMR add $25
Online: Structured Remote 5 Sessions
Ages 12–14
CRN#: 46444  M T W R F  6/21-6/25  1-4 p.m.
CRN#: 46445  M T W R F  6/28-7/2  1-4 p.m.
CRN#: 16143  M T W R F  7/12-7/16  1-4 p.m.
CRN#: 16144  M T W R F  7/19-7/23  1-4 p.m.
CRN#: 16145  M T W R F  7/26-7/30  1-4 p.m.
CRN#: 16146  M T W R F  8/2-8/6  1-4 p.m.
CRN#: 16147  M T W R F  8/9-8/13  1-4 p.m.

Calculus
For students who will take AP calculus (AB or BC) or honors calculus (calculus with applications) in the upcoming school year. Topics included will be continuity, limits, definition of derivatives, rules of differentiation, and applications of differentiation. Materials required at home: paper, pencils/pens, computer with a camera and microphone. Live instruction via Zoom.

Course: YOU888 15 Hours
$170 + $50 fee = $220; NMR add $25
Online: Structured Remote 5 Sessions
Ages 15–17
CRN#: 16153  M T W R F  7/19-7/23  1-4 p.m.

CRN#: 16154  M T W R F  8/2-8/6  1-4 p.m.

Chemistry
For students who will take chemistry or honors chemistry in the upcoming school year. Topics covered include unit analysis, atomic structure, periodic table of elements, chemical reactions and equations, molar relationships, and stoichiometry. Materials required at home: paper, pencils/pens, computer with a camera and microphone. Live instruction via Zoom.

Course: YOU898 15 Hours
$170 + $50 fee = $220; NMR add $25
Online: Structured Remote 5 Sessions
Ages 14–17
CRN#: 46440  M T W R F  6/28-7/2  1-4 p.m.
Physics
For students who will take physics, honors physics, or AP physics 1 in the upcoming school year. Topics covered include kinematics in one or two dimensions, motion and force, Newtons Laws of Motion, circulation motion, work and energy, and linear momentum. Materials required at home: paper, pencils/pens, computer with a camera and microphone. Live Instruction via Zoom.

Course: YOU899
15 Hours
$170 + $50 fee = $220; NMR add $25
Online: Structured Remote
5 Sessions
Ages 14–17
CRN#: 16406 M T W R F 7/12-7/16 1-4 p.m.

Pre-Algebra I
Topics covered include the real number system, operations of integers, fractions, and decimals, prime factorization, least common multiple, greatest commons factor, grouping symbols, translating phrases to mathematical expressions and sentences to mathematical equations, absolute value, and solving simple one-variable equations and application problems. Materials required at home: paper, pencils/pens, computer with a camera and microphone. Live instruction via Zoom.

Course: YOU963
15 Hours
$170 + $50 fee = $220; NMR add $25
Online: Structured Remote
5 Sessions
Ages 9–10
CRN#: 46452 M T W R F 6/21-6/25 9 a.m.-12 p.m.
CRN#: 46453 M T W R F 6/28-7/2 9 a.m.-12 p.m.
CRN#: 16164 M T W R F 7/12-7/16 9 a.m.-12 p.m.
CRN#: 16165 M T W R F 7/19-7/23 9 a.m.-12 p.m.
CRN#: 16166 M T W R F 7/26-7/30 9 a.m.-12 p.m.
CRN#: 16167 M T W R F 8/2-8/6 9 a.m.-12 p.m.
CRN#: 16168 M T W R F 8/9-8/13 9 a.m.-12 p.m.

Pre-Algebra 2
Topics covered include notation and simplest rules of procedure, integral exponents, roots and radicals, fractional exponents, and application problems. Materials required at home: paper, pencils/pens, computer with a camera and microphone. Live Instruction via Zoom.

Course: YOU984
15 Hours
$170 + $50 fee = $220; NMR add $25
Online: Structured Remote
5 Sessions
Ages 11–12
CRN#: 46448 M T W R F 6/21-6/25 9 a.m.-12 p.m.
CRN#: 46449 M T W R F 6/28-7/2 9 a.m.-12 p.m.
CRN#: 16154 M T W R F 7/12-7/16 9 a.m.-12 p.m.
CRN#: 16155 M T W R F 7/19-7/23 9 a.m.-12 p.m.
CRN#: 16156 M T W R F 7/26-7/30 9 a.m.-12 p.m.
CRN#: 16157 M T W R F 8/2-8/6 9 a.m.-12 p.m.
CRN#: 16158 M T W R F 8/9-8/13 9 a.m.-12 p.m.

Pre-Calculus
For students who will take pre-calculus, honors pre-calculus, IB Math Studies in the upcoming school year. Topics covered include review of background information from geometry and algebra for trigonometry, radian measure for angles, trigonometric functions, special trigonometric values for sine, cosine, and tangent, graphs of trigonometric functions, and their applications. Materials required at home: paper, pencils/pens, computer with a camera and microphone. Live instruction via Zoom.

Course: YOU887
15 Hours
$170 + $50 fee = $220; NMR add $25
Online: Structured Remote
5 Sessions
Ages 14–16
CRN#: 16136 M T W R F 7/26-7/30 1-4 p.m.
CRN#: 16273 M T W R F 8/2-8/6 1-4 p.m.
CRN#: 16137 M T W R F 8/9-8/13 1-4 p.m.
Summer 2021 offers more than 200 fun filled summer camps for grades K–12. Many of our favorites are back including Black Rocket Computer Skills and Programming camps, Yang Academy of Math and Science, Study and Testing Skills for School Success camps, as well as the ever popular Circus Camp, Legal Eagles, and many more.