KIDS ON CAMPUS

HOWARD COMMUNITY COLLEGE

You Can Get There From Here.

Summer Enrichment Classes for Ages 7-17

June 21 - August 18, 2017

KIDS ON CAMPUS

SUMMER 2017

ON THE COVER
Toybox Machines

23 ›

REGISTRATION OPENS FEBRUARY 7, 2017.

Ready to register? Registration is as easy as:

1 Select Classes

2 Staying all day?
Pick a lunch session.

3 Register

Need Before or After Care? See page 60.

What's Inside

Registration Information in Center Insert.

Why Do Kids Like KOC?

Become an Inventor in Elementary Engineering

*Expand your knowledge of pulleys, levers, gears, and light and sound sensors to create your own mechanized designs just like Kaia (left) and Sanaa (right) did last summer. Hear more from them about how they did it on **youtube.com/hccmd**.*

Learn more about the Elementary Engineering course on page 14.

You Tube

New this year

NEW!

Mini-Week in June & Extended Schedule in August

Kids on Campus will begin Wednesday, June 21 with a mini-week. Since schools throughout Maryland are opening after Labor Day, we have anticipated your needs. See our extended programming offerings through August 18.

4 ❯

NEW!

Fun & Learning for the Whole Family

Are you a mom, dad, or grandparent and is English your second language? If so, improve your writing, grammar, and conversation skills in an English language course from July 10-August 4, while your child takes a Kids on Campus class in the room right next door.

7 ❯

CLASSES AT-A-GLANCE

New courses appear in **boldface** type.   AM = 8:30am-12:00pm • PM = 1:00pm-4:30pm

ELEMENTARY SCHOOL (Ages 7-10)

JUNE 21 - JUNE 23		
American Girls of Today:		
Learn to Bake Homemade Goodies!	AM	9
Guten Tag Germany!	AM	14
Intro to Technology	AM	15
Star Wars Stop Animation	AM	22
Zentangle Inspired Art	AM	25
Dancing Around the World	PM	12
Fit and Fun: Get Your Game On	PM	14
It's All Fun and Games	PM	15
Sew Fun: Make Your Own Doll Clothes	PM	22

JUNE 26 - JUNE 30		
App Attack! First Game App	AM	10
Cartoon Art	AM	11
Industrial Arts: Construction Lab	AM	15
Korean Language for Students	AM	16
Multiples of Math II	AM	19
Rockets and Robotics	AM	22
All About Technology	PM	8
Drones: Flying & Exploration	PM	13
Minecraft Designers	PM	18
Oooo Goo, and Stinky Too	PM	20
Sculpture for Elementary Artists	PM	22
Who Done It?	PM	24

JULY 3 - JULY 7 (NO CLASS JULY 4)		
All About Technology	AM	8
American Girls: Hands-on History Fun!	AM	9
Creative Design and Robotics	AM	12
Krazy Kinetic Art	AM	16
Reading, Writing and Reasoning	AM	21
Dynamic Spanish for Elementary Students	PM	13
Elementary Engineering	PM	14
LEGO® Comics: Design Your Own Adventure!	PM	17
Threads and Thimbles	PM	23
Who Done It?	PM	24

JULY 10 - JULY 14		
American Culture and History for ESL	AM	8
App Adventures: the Next Level!	AM	9
Cartoon Art	AM	11
Commotion in the Ocean	AM	11
Mexican Fiesta	AM	17
Reading, Writing and Reasoning	AM	21
Acrylic Painting	PM	8
Cardboard Arcade Invention Lab	PM	10
Money Magic	PM	18
Unlocking the Mysteries of Math	PM	24
Yummy Art Camp	PM	25

JULY 17 - JULY 21		
Fifty Nifty United States	AM	14
Jedi Training Camp	AM	16
Make Your First 3-D Video Game	AM	17
Partners With Potter	AM	20
Pets and Vets	AM	21
Rockets and Robotics	AM	22
Scratch This: Code Writing for Beginners	AM	22
Sports, Music, and Games for ESL	AM	22
Elementary Engineering	PM	14
Pets and Vets	PM	21
Touch, Type, and Create	PM	23
Toybox Machines	PM	23
Unlocking the Mysteries of Math	PM	24

JULY 17 - JULY 21 (continued)		
Woodshop: Basics to Boxes	PM	24
Young Writer's World II	PM	25

JULY 24 - JULY 28		
Elementary Engineering	AM	14
Nature by ESOL	AM	19
Oooo, Goo, and Stinky Too	AM	20
Pets and Vets	AM	21
Presenting Percy Jackson	AM	21
Touch, Type, and Create	AM	23
Young Authors and Illustrators	AM	25
American Girls Again: More Hands-On		
History Fun	PM	9
Big Brains Machine Shop	PM	10
Multiples of Math	PM	19
Partners With Potter	PM	20
Reading, Writing, and Reasoning	PM	21
Scratch This: Code Writing for Beginners	PM	22
Virtual Reality: The Future is Now	PM	24

JULY 31 - AUGUST 4		
Cartoon Art	AM	11
Drones: Flying & Exploration	AM	13
E-cool-ogy	AM	13
Elementary Engineering	AM	14
ESL Art and Literature	AM	14
Healthy Habits for Healthy Lives	AM	15
Toybox Machines	AM	23
Young Writer's World	AM	25
Code Breakers	PM	11
Dinosaur Days	PM	12
Industrial Arts: Construction Lab	PM	15
Multiples of Math II	PM	19
Natural Forces	PM	19
Nose for News	PM	19
Oooo, Goo, and Stinky Too	PM	20

AUGUST 7 - AUGUST 11		
App Attack! Make Your First Game App	AM	10
Cardboard Arcade Invention Lab	AM	10
Cartoon Art	AM	11
Performing Magic	AM	21
PowerPoint Proficiency	AM	21
Young Writer's World	AM	25
A Week of Windows	PM	8
Drone Search and Rescue	PM	12
iPad Masterpieces	PM	15
Minecraft Animators	PM	18
Oooo Goo, and Stinky Too	PM	20
Performing Magic	PM	21
Yummy Art Camp	PM	25

AUGUST 14 - AUGUST 18		
Drone Exploration: Fly, Create, Innovate	AM&PM	12
Make Your First 3-D Video Game	AM	17
Minecraft Designers	AM	18
Woodshop: Basics to Boxes	AM	24
Code Breakers	PM	11
LEGO® Video Games	PM	17
Minecraft Modders	PM	18

CLASSES AT-A-GLANCE (cont'd)

MIDDLE SCHOOL (Ages 11-14)

JUNE 21 - JUNE 23		
Dancing Around the World	AM	29
Fit and Fun: Get Your Game On	AM	31
Intro to Robotics with Mindstorm	AM	32
It's All Fun and Games	AM	34
Intro to Robotics with Mindstorm	PM	32
Star Wars Stop Animation	PM	41

JUNE 26 - JUNE 30		
Fun With Frosting	AM	32
Manga for Students	AM	37
Minecraft Designers	AM	38
Money Matters	AM	38
Read, Write & Publish the News	AM	40
Special Effects Makeup	AM	41
Ultimate Drone Games: Speed, Skill,		
& Acrobatics	AM	42
App Attack! Make Your First Game App	PM	27
Beginning Japanese	PM	27
Business Beginnings	PM	28
Fun With Frosting	PM	32
Legal Eagles: Trial By Jury	PM	35

JUNE 26 - JULY 7 (NO CLASS JULY 4)		
Creative Writing for Middle School	AM	29

JULY 3 - JULY 7 (NO CLASS JULY 4)		
Archaeology	AM	27
Editing with Photoshop and GIMP	AM	31
Latin Language and Roman Culture	AM	35
LEGO® Comics	AM	35
Pastel Art for Middle School	AM	39
Chess and Games of Strategy	PM	28
Creative Design and Robotics	PM	29
Duct Tape Art	PM	30
Editing with Photoshop and GIMP	PM	31
Physics: Mastering the Mechanics	PM	39
What a Stitch!	PM	43

JULY 10 - JULY 14		
Electric Art & Engineering Studio	AM	31
Intermediate Engineering and Robotics	AM	32
Introduction to Debate	AM	33
Mysteries in History	AM	38
Superhero Camp	AM	42
Test-Taking and Memory Strategies	AM	42
App Adventures: The Next Level!	PM	26
Chopped	PM	28
Introduction to the United Nations	PM	33
Latin Language and Roman Culture	PM	35
Manga for Students	PM	37
Physics: Electricity and Magnetism	PM	39
Robotics with Mindstorm	PM	41

JULY 10 - JULY 21		
Creative Writing for Middle School	AM	29

JULY 17 - JULY 21		
Design & Build Your Own Space Rover	AM	29
Detectives at Work	AM	29
Reading and Notetaking Skills	AM	40
Science Experiments for Middle Schoolers	AM	41
Summer Sewing	AM	42
Editing with Photoshop and GIMP	PM	31
Hands on Chemistry	PM	32
Make Your First 3-D Video Game	PM	36
Middle School Pets and Vets	PM	37
Prep for Algebra 1	PM	40
Readers Theater	PM	40
Young Inventors at Work	PM	43

JULY 17 - JULY 28		
Junior Medic	PM	34

JULY 24 - JULY 28		
Introduction to Pre-Algebra	AM	33
Jedi Training Camp	AM	34
Legal Eagles: Trial by Jury	AM	35
Virtual Reality: The Future is Now	AM	43
Brown Eyes, Blue Eyes: Genetics Tell It All	PM	28
Intermediate Engineering and Robotics	PM	32
Is It Who or Whom?	PM	33
Psychology of Behavior	PM	40
Stock Market game	PM	41
Test-Taking and Memory Strategies	PM	42

JULY 24 - AUGUST 4		
Creative Writing for Middle School	AM	29

JULY 31-AUGUST 4		
6th Grade Math Review	AM	26
Code Breakers	AM	28
Pirates: Fact and Fiction	AM	39
Test-Taking and Memory Strategies	AM	42
Business Beginnings	PM	28
Intro to Zoology	PM	33
Middle School Pets and Vets	PM	37
Minecraft Modders	PM	38
Pastel Art for Middle School	PM	39
Prep for Algebra 1	PM	40
Reading and Notetaking Skills	PM	40
Robotics with Mindstorm	PM	41
Ultimate Drone Games: Speed, Skill,		
& Acrobatics	PM	42

AUGUST 7 - AUGUST 11		
Drone Search and Rescue	AM	30
Duct Tape Art	AM	30
Fun with Frosting	AM	32
Minecraft Animators	AM	37
Test-Taking and Memory Strategies	AM	42
Advanced Robotics with Mindstorm	PM	26
App Attack! Make Your First Game App	PM	27
Archaeology	PM	27
Bedazzled by Beads	PM	27
Business Beginnings	PM	28
Electric Art and Engineering Studio	PM	31
Fun with Fondant	PM	31
Leadership Skills	PM	35

AUGUST 14 - AUGUST 18		
Drone Exploration: Fly, Create, Innovate	AM&PM	30
Code Breakers	AM	28
LEGO® Video Games	AM	36
Minecraft Modders	AM	38
Make Your First 3-D Video Game	PM	36
Minecraft Designers	PM	38

TRANSITIONAL (Ages 10-16)

JUNE 21 - JUNE 23		
Mobile Phone Photography	AM	52
Film Appreciation	PM	49
Problem Solving Methods in Physics and		
Physical Science	PM	53
Zentangle Inspired Art	PM	55

CLASSES AT-A-GLANCE (cont'd)

TRANSITIONAL (Ages 10-16) *continued*

JUNE 26 - JUNE 30		
A Game a Day: Learn Programming in C++	AM	44
Inside Interior Design	AM	50
Photography Academy	AM	53
Classical Drawing for Teens	PM	46
Creating Games With GameMaker	PM	46
Engineering Design	PM	48
Industrial Arts: Model Making & Casting Lab	PM	50
Painting Like Van Gogh and Monet	PM	52
Scooby Doo and you, Cartoons and Society	PM	53

JUNE 26 - JULY 7 (NO CLASS JULY 4)		
3-D Animation	AM	44
Computer Keyboarding for Middle School	AM	46
Computer Keyboarding for Middle School	PM	46

JULY 3 - JULY 7 (NO CLASS JULY 4)		
Graphic Design for Teens	AM	49
Crime Scene Investigators	PM	47
Java Programing	PM	51

JULY 10 - JULY 14		
Déjà vu: Does History Repeat Itself?	AM	47
HTML I	AM	49
Introduction to Crochet	AM	51
Spa Camp for Teens	AM	54
Art Fun-Damentals	PM	45
Crime Scene Investigators	PM	47
Prep for High School Geometry	PM	53
Still-Life Painting	PM	54

JULY 10 - JULY 21		
Extended Algebra I Review	AM	48

JULY 17 - JULY 21		
Film Appreciation	AM	49
HTML 1	AM	49
Spa Camp for Teens	AM	54
Superhero Comic Art	AM	55
Woodshop: Fundamentals of Furniture	AM	55
Creating Games with Gamemaker	PM	46
Dissecting Computer Technology	PM	47
Extreme Special Effects Make Up	PM	48
Java Programming	PM	51

JULY 24 - JULY 28		
A Game a Day: Learn Programming in C++	AM	44
Art Fun-Damentals	AM	45
Electronics: Design and Inovation Lab	AM	47
Google Sketch-Up Explored	AM	49
Graphic Design for Teens	AM	49
Sewing for the Community	AM	54
Amusement Park Science	PM	45
Dissecting Computer Technology	PM	47
HTML II and CSS for Students	PM	50
Living in the Cyber World	PM	52

JULY 31 - AUGUST 4		
Advanced Manga for Students	AM	45
Crime Scene Investigators	AM	47
HTML I	AM	49
Industrial Arts: Model Making & Casting Lab	AM	50
Wonder of Programming with Alice	AM	55
Gizmos & Gadgets	PM	49
Junior Physics Olympics Teams	PM	52
Superheroes: Beyond the Movies	PM	55

JULY 31 - AUGUST 11		
Extended Algebra I Review	AM	48

AUGUST 7 - AUGUST 10		
Circuit Fundamentals	AM	46
Engineering Design	AM	48
Interior Design: Set the Stage for a Fabulous Career	AM	50
Introduction to Visual Basic	AM	51
Photography Academy	AM	53
SimCity™ Urban Planner	AM	54
Alternative Energy Engineers	PM	45
Introduction to Visual Basic	PM	51
Mind, Body, and Spirit	PM	52

AUGUST 14 - AUGUST 18		
Woodshop: Fundamentals of Furniture	PM	55

HIGH SCHOOL (Ages 14+)

JULY 10 - JULY 14		
Writing Dynamic College Essays	AM	57

JULY 10 - JULY 21		
Calculus Prep	PM	56
Creative Writing for High School	PM	56

JULY 17 - JULY 21		
Trouble Free Vocabulary	AM	57
Research and Study Skills	PM	57

JULY 24 - JULY 28		
Financial Literacy for Teens	AM	57

JULY 24 - AUGUST 4		
Extended Algebra II Review	PM	56

JULY 31 - AUGUST 11		
College Prep and Advanced Writing Skills	AM	56

AUGUST 7 - AUGUST 11		
Writing Dynamic College Essays	PM	57

TEST PREPARATION (Ages 14+)

JUNE 26 - JULY 7 (NO CLASS JULY 4)		
Prep for the SAT	AM	59

JULY 10 - JULY 21		
Prep for the SAT	AM	59

JULY 18 - JULY 29		
Prep for the SAT	PM	59

JULY 24- JULY 28		
Practical Prep for PSAT/NMSQT	AM&PM	59

JULY 24 - AUGUST 4		
Preparation for the SAT	PM	59

AUGUST 7 - AUGUST 11		
Practical Prep for PSAT/NMSQT	AM&PM	59
Preparation for the SAT	AM&PM	59
Preparation for the ACT: Quantitative Math & Science	AM	58

AUGUST 7 - AUGUST 18		
Prep for the ACT	AM	58

AUGUST 14 - AUGUST 18		
Preparation for the SAT	AM&PM	59
Preparation for the SAT - Verbal	AM	59
Preparation for the ACT: Language Arts	AM	58
Preparation for the SAT - Math Advanced	AM	59
Preparation for the SAT - Math	PM	59

Introducing A New Fun Learning Opportunity for the Whole Family!

Are you a mom, dad, grandparent or guardian who speaks English as a second language? If so, then you don't want to miss this chance to sharpen your English language skills while your child builds global awareness and cross-cultural skills in the room right next door. See below for these special morning sessions for you and children ages 7-10.

Adults

Intensive Comprehensive Classes

Improve all of your English skills in one intensive class: listening, speaking, reading, writing, pronunciation, and grammar. These classes are perfect for you if you are preparing for college study or need better English skills for your job or personal use.

■ Mon-Thu 9:30am-12pm Jul 10-Aug 4

Writing Classes

Writing is critical to your future success! Improve writing for your personal use, GED, college studies, or the demands of your job in these classes. Learn sentence writing, paragraph writing, new vocabulary, and grammar. Prior typing and computer skills are required, especially at level 3 and above. These courses will include grammar; however, please consider the Summer I Grammar for Writing courses if grammar is difficult for you.

■ Mon-Thu 9:30am-12pm Jul 10-Aug 4

For more information about these classes or to register, please email elc@howardcc.edu or call 443-518-1680.

Kids (Ages 7-10)

JULY 10-14
American Culture & History for ESL Students
■ Mon-Fri 8:30am-12pm
See course description on page 8.

JULY 17-21
Sports, Music & Games for ESL Students
■ Mon-Fri 8:30am-12pm
See course description on page 22.
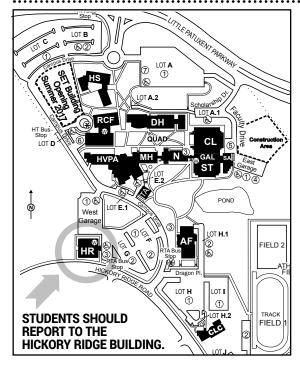
JULY 24-28
Nature by ESOL
■ Mon-Fri 8:30am-12pm
See course description on page 19.

JULY 31-AUG 4
ESL Art and Literature
■ Mon-Fri 8:30am-12pm
See course description on page 14.

You can register for these courses just like you would for any other KOC course. See page 2 for registration information.

MAP AND CLASS LOCATIONS

Howard Community College
Hickory Ridge Building
10650 Hickory Ridge Rd.
Columbia, MD 21044

On Monday, please bring your students to the Hickory Ridge Building, where classroom information will be posted. Most classes are located in the Hickory Ridge Building. Students should be dropped off at the Hickory Ridge Building no earlier than 10 minutes prior to the start of class.

STUDENTS SHOULD REPORT TO THE HICKORY RIDGE BUILDING.

▸ AGES 7-10
Elementary School Students

A Week of Windows

Ages 7-10. Spend a week getting acquainted with the basic functions of Windows software (and a computer) and practice keyboarding with daily warm-up exercises. Create interesting projects while learning which buttons to click. Word processing, drawing programs, making stationery, and organizing collections are just some of the skills you'll master. 1 week $185 (includes $60 in fees*)
■ Mon-Fri 1pm-4:30pm, Aug 7-Aug 11, **XK-267 6104   #4433**

Acrylic Painting for Elementary Artists

Ages 7-10. Explore techniques in acrylic painting as you learn about color relationships, creating texture, and adding shadows and highlights. Subjects for paintings will come from your close observation and from your own imagination. You will be working with canvas and creating finished works that will be ready to hang or offer as gifts. 1 week $190 (includes $65 in fees*)
■ Mon-Fri 1pm-4:30pm, Jul 10-Jul 14, **XKE-225 6101   #4332**

All About Technology

Ages 7-10. Fun, exciting, and challenging activities await as you are introduced to a variety of relevant technologies. You will build circuits as well as build and program robotic devices. Use a Global Positioning System to play a high-tech game of hide and seek. Practice skills such as orienteering, treasure hunting, and waymarking, better known as geocaching. Discover the FUNdamentals of technology. Offered in conjunction with Goldsmith Education. 1 week $225 (includes $70 in fees*)
■ Mon-Fri 1pm-4:30pm, Jun 26-Jun 30, **XK-121 6181 #4272**
■ Mon,Wed,Thu,Fri 8:30am-12pm, Jul 3-Jul 7 **(no class Jul 4),** ****$205, XK-121 6324   #4273**

American Culture and History for ESL Students ⊘NEW!

Ages 7-10. Improve your English vocabulary and communication skills through the study of American holidays, history, and pop culture. Learn about the founding of our nation and important historical events and people. Discover how holidays such as Thanksgiving and the Fourth of July began and are celebrated today. 1 week $185 (includes $60 in fees*)
■ Mon-Fri 8:30am-12pm, Jul 10-Jul 14, **XK-413 0008   #7619**

*Fees not eligible for waiver   **Neither XE/XKE course tuitions nor their fees are eligible for waiver

American Girls: Hands-On History Fun!

Ages 7-10. Learning American history has never been more fun! History comes alive as you explore the times of the historical American Girl dolls: Native American tribal life (Kaya), colonial America (Felicity), life on a southwestern rancho (Josefina), pioneer life (Kirsten), Civil War and freedom (Addy), life at the turn of the 20th century (Samantha), the immigrant experience in NYC (Rebecca), the Great Depression (Kit), the "rock and roll" 50s (Mary Ellen), the civil rights movement of the 60s (Melody), and the groovy 70s (Julie). Experience first-hand activities girls of the past would have done, including arts and crafts, cooking, sewing, games, music, and/or literature. Personalize a cookbook with recipes made throughout the week. All food prepared is nut-free, but may contain wheat, soy, corn, gluten, egg, and dairy products. 1 week $209 (includes $70 in fees*)

■ Mon,Wed,Thu,Fri 8:30am-12pm, Jul 3-Jul 7 **(no class Jul 4), XK-333 6048   #6205**

American Girls Again: More Hands on History Fun!

Ages 7-10. Have even more fun learning American history through the lives and times of the historical American Girl dolls: Kaya, Felicity, Josefina, Kirsten, Addy, Samantha, Rebecca, Kit, MaryEllen, Melody, and Julie! Experience first-hand the same activities girls of the past would have enjoyed. Learn fun facts about the past, create historical crafts, cook authentic recipes, play games, sew, and more. Personalize a cookbook with recipes made throughout the week. **Each historical American Girls camp offers a unique experience. Campers make different crafts and recipes for each camp. Camps may be taken in any order.** All food prepared is nut-free, but may contain wheat, soy, corn, gluten, egg, and dairy products. 1 week $229 (includes $70 in fees*)

■ Mon-Fri 1pm-4:30pm, Jul 24-Jul 28, **XK-192 6335   #4285**

American Girls of Today: Learn to Bake Homemade Goodies! ⊘NEW!

Ages 7-10. Discover the joy of baking! Learn how to make homemade baked goods from scratch! See how satisfying it can be to measure and mix ingredients together, put them in the oven and wait for the magic to begin. Baking is also educational, utilizing reading comprehension, math and chemistry in a fun way. Some of the tasty treats on the menu to be made are different types of cookies, cupcakes, brownies as well as decorating with frosting. While waiting for the goodies to come out of the oven, you will make some related crafts such as a doll apron, oven mitt, and a personalized cookbook with all recipes made throughout the camp. All food prepared is nut-free, but may contain wheat, soy, corn, gluten, egg, and dairy products. 3 days $150 (includes $75 in fees*)

■ Wed,Thu,Fri 8:30am-12pm, Jun 21-Jun 23, **XKE-230 6320   #7551**

App Adventures: The Next Level!

Ages 8-10. Continue your quest to make the next viral app! Whether you want to move past the basic techniques learned in App Attack or want to jump right in, we are ready for you! Choose from a selection of different web-based (HTML5) mobile apps and explore more in-depth programming concepts. Projects will be accessible on a Black Rocket site and can be played on any mobile device or computer. Publishing to App Stores not included. No prior experience is necessary and you do not need to own a smartphone or tablet to take the class. You will work in pairs or teams for most of the program. Returning students can create more advanced projects that build on previous years. Offered in cooperation with Black Rocket Productions, LLC. 1 week $235 (includes $75 in fees*)

■ Mon-Fri 8:30am-12pm, Jul 10-Jul 14, **XKE-199 6849   #4551**

App Attack!
Make Your First Game App

Ages 8-10. Take the first steps into the world of mobile app design and customize your own game app! Using a specialized app & game development tool, you 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 first-hand 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. No prior experience is necessary and you do not need to own a smartphone or tablet to take the class. You will work in pairs or teams for most of the program. Returning students can create more advanced projects that build on previous years. Offered in coop-eration with Black Rocket Productions, LLC. 1 week $235 (includes $75 in fees*)

- Mon-Fri 8:30am-12pm, Jun 26-Jun 30, **XKE-196 6391   #4328**
- Mon-Fri 8:30am-12pm, Aug 7-Aug 11, **XKE-196 6020   #4548**

howardcommcollege
Kids On Campus

#AppAttack!

Big Brains Machine Shop

Ages 7-10. Small hands with big ideas deserve real tools and things to invent! This material-based exploration lab, built around the theme of machines, is perfect for emerging tinkerers, inventors, artists, and engineers ready to activate STEM thinking. Grow your design and fabrication skills, cut, drill, connect, form and shape cardboard, foam, wood, plastics, and electronic components. Everybody is invited to our Friday Machine Shop Petting Zoo! Offered in conjunction with Future-Makers. 1 week $239 (includes $85 in fees*)

- Mon-Fri 1pm-4:30pm, Jul 24-Jul 28, **XK-434 6027   #766**1

Cardboard Arcade Invention Lab

Ages 7-10. Why play video games when you can build an old school arcade yourself? Young makers design, prototype, build, and play unique arcade games of skill and chance from cardboard, foam, plastic and wood, electronic components and recycled materials. All projects go home and get ready, they get big! Join us for our Friday free arcade! Offered in conjunction with FutureMakers $239 (includes $85 in fees*)

- Mon-Fri 1pm-4:30pm, Jul 10-Jul 14, **XK-436 6026   #7659**
- Mon-Fri 8:30am-12pm, Aug 7-Aug 11, **XK-436 6966   #7660**

Cartoon Art for Students

Ages 7-10. Turn your doodles into designs of delight in this fun and colorful course. Let your imagination go wild while you hold the pencil and draw your own comic strip complete with color, word bubbles, and lettering. Learn skills like drawing people, animals, and inanimate objects. Sketch your own original creations. 1 week $185 (includes $60 in fees*)

■ Mon-Fri 8:30am-12pm, Jun 26-Jun 30, **XK-240 6314   #4292**
■ Mon-Fri 8:30am-12pm, Jul 10-Jul 14, **XK-240 6379   #4424**
■ Mon-Fri 8:30am-12pm, Jul 31-Aug 4, **XK-240 6118   #4423**
■ Mon-Fri 8:30am-12pm, Aug 7-Aug 11, **XK-240 6117   #4422**

Meet Our Instructor   **Art Landerman**

Art Landerman (back right side of the photo) has been a commercial artist since 1980. His work has been featured nationally and locally, with pet portraits and cartooning as some of his favorites. Being a Kids on Campus instructor has been a delightful and rewarding experience for Mr. Landerman as he enjoys sharing his experiences with children and seeing them develop their artistic potential in a fun and lively atmosphere. He graduated with honors from the Maryland Institute College of Art (MICA).

Cartoon Art

Code Breakers

Ages 8-10. 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! If you want to be the next Mark Zuckerberg, this course has the essentials you need to begin your journey. Projects will be available on a Black Rocket website to share with friends and family. You will work in pairs or teams for most of the program. Returning students can create more advanced projects that build on previous years. Offered in cooperation with Black Rocket Productions, LLC. 1 week $235 (includes $75 in fees*)

■ Mon-Fri 1pm-4:30pm, Jul 31-Aug 4, **XK-279 6002   #4440**
■ Mon-Fri 1pm-4:30pm, Aug 14-Aug 18, **XK-279 6309   #4439**

Commotion in the Ocean

Ages 7-10. Dive into the ocean and see what unique creatures lurk in the deep! Explore the different oceans and seas and learn what makes each special. Discover the different depths of the oceans and how whales, dolphins, sea anemones, eels, jellyfish, and other sea critters survive. Explore coral reefs, make your own ocean card game, build a fish, create your own ocean display, and find out if sharks are as dangerous as they've been portrayed. 1 week $185 (includes $60 in fees*)

■ Mon-Fri 8:30am-12pm, Jul 10-Jul 14, **XKE-160 6063   #4536**

Creative Design and Robotics

Ages 8-10. The world of the future belongs to robots! In this cutting-edge class, you will learn the fundamentals of motorized mechanisms, design principles, sensors, and sound activation. Separate fact from fantasy by designing and building prototypes of task oriented robots. Learn problem-solving to improve how your robots function in a series of design challenges! You will work in pairs or teams for most of the program. Offered in cooperation with Black Rocket Productions, LLC. 1 week $215 (includes $85 in fees*)

■ Mon,Wed,Thu,Fri 8:30am-12pm, Jul 3-Jul 7, **(no class Jul 4), XK-300 6074**   **#4300**

Dancing Around the World ⊘NEW!

Ages 7-10. Do you think you can dance? Let the beat move your feet and explore world cultures through traditional and fun dances from India, Latin America, and more. Throughout history people have used dance to celebrate, tell stories, and pass on traditions. Expand your horizons as you learn about the customs and culture of other countries through the lens of dance. 3 days $125 (includes $60 in fees*)

■ Wed,Thu,Fri 1pm-4:30pm, Jun 21-Jun 23 **XK-406 6352**   **#7603**

Dinosaur Days

Ages 7-10. Discover the world of the ferocious Tyrannosaurus Rex and the mighty Ankylosaurus. Explore the Jurassic, Triassic, and Cretaceous time periods along with their gigantic and teeny-tiny inhabitants. Become a paleontologist for a week and learn about dinosaurs, their habits, and their habitats. Learn how paleontologists study our Earth's past and even learn how to dig up a dinosaur. 1 week $185 (includes $60 in fees*)

■ Mon-Fri 1pm-4:30pm, Jul 31-Aug 4, **XK-243 6031**   **#4427**

Drone Exploration: Fly, Create, Innovate ⊘NEW!

Ages 8-10. Did you know that drones deliver medical supplies to people in need, burritos to college students, and pizza to families? Open your creative mind as you learn about some of the most fascinating drone solutions to date. Teams will learn about some of the incredible problems drone technology has solved and then have the opportunity to interact with inventors currently in the drone industry via video conference. Upon building a base of knowledge, experience and confidence, you will then fly and code drones as you work together in teams to create your own business, environmental, or safety drone solution. Instructors will challenge teams to focus on the social and ethical responsibilities that accompany the powerful and evolving drone technological advances. Offered in conjunction with Drobots Company. 1 week full day ***Students taking this class must also register for lunch section XE-666 6952 #7997.** $419 (includes $125 in fees*)

■ Mon-Fri 8:30am-12pm and 1pm-4:30pm, Aug 14-Aug 18, **XK-425 6935**   **#7631**

Drone Search & Rescue ⊘NEW!

Ages 8-10. Drone search and rescue is a necessity for first responders around the world, adding a new layer of solutions to save lives across the globe. Now, you too can take part in and learn from simulated missions during this action-packed and creative program. Learn to use drones and rely on your rescue team to utilize unique vantage points and combine a multitude of images and mapping over specific areas on campus to locate victims and safely rescue them. Teams will also learn invaluable lessons on how to quickly and accurately acquire aerial data that, in return, will enable them to make informed and targeted suggestions for real-world positive applications. Drone safety and the social responsibilities of flying drones are included in this program. Offered in conjunction with Drobots Company. 1 week $239 (includes $75 in fees*)

■ Mon-Fri 1pm-4:30pm, Aug 7-Aug 11, **XK-424 6937**   **#7637**

Drones: Flying & Exploration ⊘NEW!

Ages 8-10. Get off the chair and into the air! Fly, code, and learn all about drones! Work together and strategize with your flight team using simulators and drones to pitch, roll, yaw, and rotate to execute special missions, that replicate and represent real life scenarios. Use trial-and-error methodology complemented with STEM-based applications to control drones as they safely fly through hoops, maneuver around obstacles, and land on targets. Teams gear up and challenge one another for points in the end-of-week Ultimate Drobot Games. Drone safety and the social responsibilities of flying drones are included in this program. Offered in conjunction with Drobots Company. 1 week $239 (includes $75 in fees*)

■ Mon-Fri 1pm-4:30pm, Jun 26-Jun 30, **XK-422 6940**   **#7645**
■ Mon-Fri 8:30am-12pm, Jul 31-Aug 4, **XK-422 6941**   **#7646**

Dynamic Spanish for Elementary Students

Ages 7-10. Learning to speak and understand Spanish has never been more fun and exciting. In this movement based class, you will be exposed to theme based play, allowing you to learn Spanish as an interactive and engaging process. We will focus on themes of daily life, such as foods, colors, numbers, animals and body parts. Come join us to learn and hablar Español! 1 week $165 (includes $65 in fees*)

■ Mon,Wed,Thu,Fri 1pm-4:30pm, Jul 3-Jul 7 **(no class Jul 4), XK-398 6339**   **#4316**

E-cool-ogy

Ages 7-10. Ecology is a branch of biology that deals with the relationships of organisms to one another and their physical surroundings. E-cool-ogy will let you apply scientific methods to create and analyze animal habitats, research food webs in biomes, and understand the impact of recycling in your community. Use a hands-on method to study how nature and humans interact in your e-cool-ogical community. 1 week $190 (includes $65 in fees*)

■ Mon-Fri 8:30am-12pm, Jul 31-Aug 4, **XK-280 6100**   **#4441**

Meet Our Instructor **Melvin D. Smith II**

Melvin D. Smith II, adjunct biology instructor at HCC, has almost 20 years of teaching experience, including having taught elementary through college students. An avid supporter of STEAM (science, technology, engineering, art, and mathematics), Mr. Smith is an ambassador of the sciences and STEAM concepts, and is currently teaching a STEAM program for an elementary school in Baltimore City. He is also passionate about ensuring that the learning environment is active, content-driven, and applicable to his students' future success. In addition to having taught multiple Kids on Campus courses, Mr. Smith has produced and developed a radio show and science activity videos with Dragon Digital Radio at HCC.

E-cool-ogy

On Monday, please bring your students to the Hickory Ridge Building, where classroom information will be posted. Most classes are located in the Hickory Ridge Building. Students should be dropped off at the Hickory Ridge Building no earlier than 10 minutes prior to the start of class. To view a campus map, see page 7.

Elementary Engineering

Ages 7-10. This exciting hands-on engineering class uses LEGO® Education building materials. Teams will learn the basics of engineering and simple machines. You will be introduced to the concepts of pulleys, levers, gears, and more. From this foundation, you will move on to compound machines, motorized vehicles, and robotic creations. You will also get a chance to put your new knowledge to work, creating your own mechanized designs. Teams will creatively solve challenges using concepts learned in class. Last, but not least, you will get the chance to become inventors. Light and sound sensors, pulleys, wheels, levers, and gears are all at your command. Offered in conjunction with Goldsmith Education. 1 week $225 (includes $75 in fees*)

- Mon,Wed,Thu,Fri 1pm-4:30pm, Jul 3-Jul 7 **(no class Jul 4), **$205, XK-125 6283**   #4275
- Mon-Fri 1pm-4:30pm, Jul 17-Jul 21, **XK-125 6292**   #4375
- Mon-Fri 8:30am-12pm, Jul 24-Jul 28, **XK-125 6013**   #4373
- Mon-Fri 8:30am-12pm, Jul 31-Aug 4, **XK-125 6014**   #4374

ESL Art and Literature ⦿NEW!

Ages 7-10. Improve your English vocabulary, comprehension, and communication skills through the study of literature and art. Read and discuss a variety of traditional children's literature including, folk tales, fables, and fairy tales. Have fun participating in arts and craft activities that relate to your readings. 1 week $185 (includes $60 in fees*)

- Mon-Fri 8:30am-12pm, Jul 31-Aug 4, **XK-415 0007**   #7618

Fifty Nifty United States

Ages 7-10. Join this adventure through the 50 United States of America. Explore state capitals, silly laws, fun facts, state mottos, birds, flags, and exciting histories. Learn a great song to help remember all the names of the states. You will get into the geography of the USA and taste many of the specialties of the different regions. 1 week $185 (includes $60 in fees*)

- Mon-Fri 8:30am-12pm, Jul 17-Jul 21, **XK-363 6134**   #4496

Fit and Fun: Get Your Game On ⦿NEW!

Ages 7-10. Get up, move, and have fun while learning how to keep your body healthy and fit. Participate in a variety of sports and games including Ultimate Frisbee and kickball. Step up to the plate for a happy and healthy summer! 3 days $129 (includes $65 in fees*)

- Wed,Thu,Fri 1pm-4:30pm, Jun 21-Jun 23, **XKE-242 6056**   #7701

Guten Tag Germany!

Ages 7-10. Have fun exploring a new language and culture! Learn basic vocabulary and customs while singing songs, doing arts and crafts, and playing games. Each day will center around a different theme including colors, shapes, numbers, parts of the body, and families. On the last day, you will be able to sample some yummy German treats. Enjoy! Viel Spass! 3 days $129 (includes $70 in fees*)

- Wed,Thu,Fri 8:30am-12pm, Jun 21-Jun 23, **XK-442 6092**   #7788

*Fees not eligible for waiver   **Neither XE/XKE course tuitions nor their fees are eligible for waiver

Healthy Habits for Healthy Lives

Ages 7-10. Closely examine the MyPlate guidelines and learn how the digestive system works. Enjoy taste testing a variety of fruits, vegetables, and grains to plan and make healthy recipes and develop your own cookbook. Identify various muscle groups in the body and get active by playing fun games that lead to a healthy lifestyle now and later. 1 week $195 (includes $70 in fees*)

■ Mon-Fri 8:30am-12pm, Jul 31-Aug 4, **XKE-188 6196**   **#4545**

iPad® Masterpieces

Ages 8-10. Do you want to do more than just play games on your iPad? This class will cover the basic skills needed to create artwork and imagery on an iPad. You will learn introductory operations and app installation as well as storage capabilities and file management. The camera, Adobe Ideas, Doodle Buddy, Art Set, and Layers will be used to create art on the iPad. You will practice tracing and incorporating images, using layers, creating color schemes, drawing, and painting. Have fun creating your own digital art book. Personal iPads are required. You will be asked to download some free and low-cost apps prior to the start of class. 1 week $185 (includes $60 in fees*)

■ Mon-Fri 1pm-4:30pm, Aug 7-Aug 11, **XKE-220 6123**   **#4560**

Industrial Arts Construction Lab

Ages 7-10. Emerging tinkerers, inventors, artists, and engineers learn to use real tools to construct original projects of their own design. Safely cut, drill, form, and shape wood! Hammer nails and drive screws! Build big and small to complete a series of tool and material design challenges focusing on experimentation, exploration, and free building. No prior experience needed. Offered in conjunction with FutureMakers. 1 week $245 (includes $95 in fees*)

■ Mon-Fri 8:30am-12pm, Jun 26-Jun 30, **XK-439 6204**   **#7734**
■ Mon-Fri 1pm-4:30pm, Jul 31-Aug 4, **XK-439 6029**   **#7735**

Intro to Technology

Ages 7-10. Fun, exciting, and challenging activities await you as you are introduced to a variety of relevant technologies. Build circuits and learn the basics of parallel and series circuits. Use a Global Positioning System as well as build and program robotic devices using LEGO® WeDo and Terrapin Probot. Discover the FUNdamentals of technology. Offered in conjunction with Goldsmith Education. $155. 3 days (includes $65 in fees*)

■ Wed,Thu,Fri 8:30am-12pm, Jun 21-Jun 23, **XK-420 6942**   **#7647**

It's All Fun and Games ⊘NEW!

Ages 8-10. Unplug your electronics and get ready to have fun! Learn to play traditional family night games such as hearts, rummy, and charades. Engage your brain and outsmart your opponents. Learn game rules and strategies that will make you an excellent host or guest and help you create fun that will last a lifetime. $125. 3 days (includes $60 in fees*)

■ Wed,Thu,Fri 1pm-4:30pm, Jun 21-Jun 23, **XKE-238 6101**   **#7760**

Why Do Kids Like **KOC?**

May The Force Be With You!

"My favorite thing about Jedi Training Camp was the light saber training because we got to go outside and have a lot of fun." – Zayan, Age 10 (pictured on the right). Hear more about Zayan and Charles' experience at youtube.com/hccmd.

You Tube

Jedi Training Camp

Ages 7-10. If you love *Star Wars*, this IS the camp you are looking for! Make a tunic, create a lightsaber, learn about survival methods on different planets, design a droid from repurposed materials, and test your agility. Enjoy these and other fun and interesting activities. Come prepared, Padawan training will take place both inside and outdoors. May the force be with you. 1 week $195 (includes $65 in fees*)

■ Mon-Fri 8:30am-12pm, Jul 17-Jul 21, **XK-401 6011**   **#4525**

Korean Language for Students

Ages 7-10. Learning Korean is not as hard as you think! Travel to the "Land of the Morning Calm" as you explore a language and culture that is 5,000 years old. Spend time each day investigating the traditions, customs, foods, as well as the language. Learn to recognize characters, elementary everyday vocabulary, and basic greetings in the standard dialect. Using the Korean alphabet, Hangul, you will learn the phonetic system and practice reading and writing simple words using flash cards and other fun educational techniques. 1 week $190 (includes $65 in fees*)
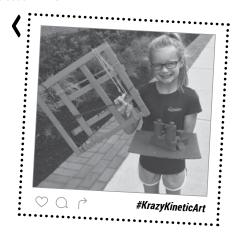
■ Mon-Fri 8:30am-12pm, Jun 26-Jun 30, **XK-188 6050**   **#4284**

Krazy Kinetic Art

Ages 7-10. Have fun creating 3-D art that MOVES! You'll explore the crazy world of Kinetic Art and try out projects like roller-ball mazes, mobiles, pinwheels, wind catchers, and spinning tops. Explore the possibilities and results of art using different media as you complete several take-home projects. 1 week $170 (includes $70 in fees*)

■ Mon,Wed,Thu,Fri 8:30am-12pm, Jul 3-Jul 7 **(no class Jul 4),**
   XKE-158 6310   **#4322**

#KrazyKineticArt

LEGO® Comics: Design Your Own Adventure! ✓NEW!

Ages 8-10. In this LEGO adventure, YOU are the star! Pick your favorite LEGO genre or create an alternate universe to create a digital illustrated story or graphic novel. Whether you want to fight alongside Superheroes, create a Minecraft story, hang with the Nexo Knights, or go into space with Rey and Finn, the only requirement is that you put yourself in the story! You will end the class with a digital comic book that can be shared with friends and family on a password protected website! You will work in teams for most of the program. Offered in cooperation with Black Rocket Productions LLC. 1 week $205 (includes $75 in fees*)

■ Mon,Wed,Thu,Fri 1pm-4:30pm, Jul 3-Jul 7 **(no class Jul 4), XK-429 6025   #7632**

LEGO® Video Games

Ages 7-10. Combine your two favorite activities: LEGOs and video games! Create your own LEGO characters and adventures in an interactive 2-D video game. Everyone is welcome in this one-of-a-kind class. At the end of the program, you will have a finished LEGO video game that can be shared with friends and family through a password protected Black Rocket website. Games are only compatible on PC computers; Mac versions can be created after the program for a $15.00 conversion fee. You will work in pairs or teams for most of the program. Returning students can create more advanced projects that build on previous years. Offered in cooperation with Black Rocket Productions, LLC. 1 week $235 (includes $75 in fees*)

■ Mon-Fri 1pm-4:30pm, Aug 14-Aug 18, **XK-310 6135   #4468**

Make Your First 3-D Video Game!

Ages 8-10. 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 2-D 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. The games you create will be available on a password protected Black Rocket website to share with friends and family. Games are only compatible on PC computers, Mac versions can be created after the program for $15 conversion fee. You will work in pairs or teams for most of the program. Returning students can create more advanced projects that build on previous years. Offered in cooperation with Black Rocket Productions, LLC. 1 week $235 (includes $75 in fees*)

■ Mon-Fri 8:30am-12pm, Jul 17-Jul 21, **XK-172 6038   #4395**
■ Mon-Fri 8:30am-12pm, Aug 14-18, **XK-172 6990   #8003**

Mexican Fiesta ✓NEW!

Ages 7-10. Mexican and Southwestern foods are among the most popular cuisines in America. Learn to make your favorite Mexican goodies like salsas, guacamole, tortilla chips, enchiladas, quesadillas, empanadas, rice pudding, churros and chocolate, and the list goes on and on and on! Sharpen your cooking skills and prepare to have a good time! Olé! Offered in conjunction with Tiny Chefs. 1 week $269 (includes $80 in fees*)

■ Mon-Fri 8:30am-12pm, Jul 10-Jul 14, **XKE-234 6019   #7639**

Minecraft® Animators

Ages 8-10. Bring your favorite Minecraft characters to life in an animated short film! Learn how studios like Pixar and Disney make movies like *Inside Out* and *Frozen* by using techniques like key-framing, tweening, texturing, and animating rigged 3-D models! Your projects will be available on a Black Rocket website to share with friends and family. You do not need to own a Minecraft account to use the software in this class. You will work in pairs or teams for most of the program. Returning students can create more advanced projects that build on previous years. Mac users can play their project at home, but will not be able to edit the project without a PC. Offered in cooperation with Black Rocket Productions, LLC. 1 week $235 (includes $75 in fees*)

■ Mon-Fri 1pm-4:30pm, Aug 7-Aug 11, **XK-386 6183**   **#4512**

Minecraft® Designers

Ages 8-10. 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 3-D 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. To access your project at home, you must own a PC/MAC version of Minecraft. Tablet, phone, and game console versions of Minecraft are not compatible. Parent email address is required to use 3-D modeling software. You will work in pairs or teams for most of the program. Returning students can create more advanced projects that build on previous years. Offered in cooperation with Black Rocket Productions, LLC. 1 week $235 (includes $75 in fees*)

■ Mon-Fri 1pm-4:30pm, Jun 26-Jun 30, **XK-225 6461**   **#4289**
■ Mon-Fri 8:30am-12pm, Aug 14-Aug 18, **XK-225 6358**   **#4411**

Minecraft® Modders

Ages 7-10. Use your favorite game to learn the basics of modding and foundations of programming. Learn scripting and logic statements as you create your first mods! Introductory coding will also be taught through a simulated environment inspired by Minecraft. Student projects will be available on a password protected Black Rocket website to share with friends and family. To access your project at home you must own a PC/MAC version of Minecraft. Tablet, phone, and game console versions of Minecraft are not compatible. You will work in pairs or teams for most of the program. Returning students can create more advanced projects that build on previous years. Offered in cooperation with Black Rocket Productions, LLC. 1 week $235 (includes $75 in fees*)

■ Mon-Fri 8:30am-12pm, Jul 31-Aug 4, **XK-295 6387**   **#4455**
■ Mon-Fri 1pm-4:30pm, Aug 14-Aug 18, **XK-295 6125**   **#4454**

Money Magic

Ages 7-10. Spend a week learning about the stories, history, and magic of money through the ages. Examine the art and science behind currency, allowances, wants and needs, banking, investing, and building wealth. Create your own currency and run a model bank. You will learn practical facts about money through hands-on activities that have the potential to build positive lifelong financial skills. 1 week $185 (includes $65 in fees*)

■ Mon-Fri 1pm-4:30pm, Jul 10-Jul 14, **XK-377 6022**   **#4508**

Multiples of Math

Ages 7-9. Math is more than numbers. It is also word problems and turning those words into numbers. Get lots of practice in solving puzzles, playing games, reviewing money decisions, and turning a graph into a piece of cake. You can "count" on enjoying this class and discovering how numbers relate to the real world. 1 week $185 (includes $60 in fees*)

■ Mon-Fri 1pm-4:30pm, Jul 24-Jul 28, **XK-306 6138** **#4464**

Multiples of Math II ⊘NEW!

Ages 9-10. Take your problem solving skills to the next level. Improve your skills by playing games and solving advanced math problems using multiplication, division, and basic algebra. Count on good "times" in this class. You should know your multiplication facts before taking this class. $185 (includes $60 in fees*)

■ Mon-Fri 8:30am-12pm, Jun 26-Jun 30, **XK-443 6990** **#7804**
■ Mon-Fri 1pm-4:30pm, Jul 31-Aug 4, **XK-443 6991** **#7805**

Natural Forces

Ages 7-10. Mother Nature has a temper and she displays it throughout the world, sometimes predictably, sometimes without warning. Chart tornadoes, hurricanes, earthquakes, floods, volcanoes, wildfires, and rainbows both geographically and seasonally. Create some of these forces right in the classroom, and discuss both the science of the force and its impact on humans. 1 week $185 (includes $60 in fees*)

■ Mon-Fri 1pm-4:30pm, Jul 31-Aug 4, **XK-341 6141** **#4484**

Nature by ESOL

Ages 7-10. Learn to improve your English communication skills through exploring the natural living organisms and resources around you. Create models and see microscopic organisms up close and personal! Record your investigations by using journals, Flickr, FANFiction, and Comic Life multimedia sites. Inquiry labs and discussions with local park rangers will have you fascinated about your discoveries! Come join us on this wonderful adventure! 1 week $185 (includes $60 in fees*)

■ Mon-Fri 8:30am-12pm, Jul 24-Jul 28, **XK-293 6124** **#4453**

Nose for News

Ages 9-10. Bring your pencil and imagination and turn yourself into a "STAR REPORTER" as you put together a newscast with your classmates. Learn interviewing skills and practice writing about sporting events, restaurant/food critiques, video/book reviews, and more. You will have a chance to present the news digitally and the final project will be distributed to all class participants. 1 week $185 (includes $60 in fees*)

■ Mon-Fri 1pm-4:30pm, Jul 31-Aug 4,
   XK-236 6055 **#4420**

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Kids On Campus

#NoseForNews

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howardcommcollege
Kids On Campus

#OoooGooStinkyToo

howardcommcollege
Kids On Campus

#PerformingMagic

Oooo Goo and Stinky Too: Gross Science

Ages 7-10. Come and discover the weird and wacky world of science. If you're adventurous, explore different areas of science with a terrific, slimy, hands-on project each day. Chemistry Concoctions, Yucky Biology, Phantasy Physics, and much more will capture your scientific curiosity. Enjoy science as you never have before! Please note some science experiments will use food products. 1 week $185 (includes $60 in fees*)

- Mon-Fri 1pm-4:30pm, Jun 26-Jun 30, **XK-332 6234** **#4305**
- Mon-Fri 8:30am-12pm, Jul 24-Jul 28, **XK-332 6145** **#4476**
- Mon-Fri 1pm-4:30pm, Jul 31-Aug 4, **XK-332 6146** **#4477**
- Mon-Fri 1pm-4:30pm, Aug 7-Aug 11, **XK-332 6287** **#4478**

Partners With Potter

Ages 8-12. Are you a Harry Potter fan? Step into his world as we discover the meanings behind characters' names, create a textbook for the care and feeding of magical animals, design trading cards, and invent dishes for a holiday banquet. These are just a few of the activities you will use to learn about these popular books. You should have read the first book, *Harry Potter and the Sorcerer's Stone*, before attending the first class. 1 week $185 (includes $60 in fees*)

- Mon-Fri 8:30am-12pm, Jul 17-Jul 21, **XK-298 6152** **#4459**
- Mon-Fri 1pm-4:30pm, Jul 24-Jul 28, **XK-298 6150** **#4458**

Performing Magic

Ages 8-12. Wave a wand and PRESTO... make things disappear and put on a show. Using simple props and flexible fingers, learn straight, mental, and comedy magic tricks and techniques from a professional magician. Whether it involves cards, coins, rope, scarves, or other gadgets, you will learn secrets of magic from the past and develop confidence and stage presence as you demonstrate proficiency in performing prestidigitation. 1 week $195 (includes $70 in fees*)

■ Mon-Fri 8:30am-12pm, Aug 7-Aug 11, **XKE-124 6157**   **#4534**
■ Mon-Fri 1pm-4:30pm, Aug 7-Aug 11, **XKE-124 6155**   **#4533**

Pets and Vets

Ages 7-10. Caring for pets, making a bird feeder, learning about endangered species, and discovering the duties of a vet are some of the educational, creative, and fun activities in this unique class. Learn animal behavior facts, tricks, and tips on grooming, feeding, and becoming a responsible pet owner. Develop sensitivity and skills so that you may make a difference in protecting animals and pursuing a possible career. 1 week $190 (includes $65 in fees*)

■ Mon-Fri 8:30am-12pm, Jul 17-Jul 21, **XK-299 6159**   **#4460**
■ Mon-Fri 1pm-4:30pm, Jul 17-Jul 21, **XK-299 6160**   **#4461**
■ Mon-Fri 8:30am-12pm, Jul 24-Jul 28, **XK-299 6161**   **#4462**

PowerPoint Proficiency

Ages 7-10. Increasingly, elementary and middle school teachers are expecting students to create projects with PowerPoint. This hands-on course has been designed to help you become proficient with PowerPoint so that you can use this learned skill during the school year. Through the lessons of this one-week class, you will create and then present up to five slideshows to your peers. You will save your work on a flash drive and take it home on the last day of the class. 1 week $185 (includes $60 in fees*)

■ Mon-Fri 8:30am-12pm, Aug 7-Aug 11, **XK-198 6256**   **#4408**

Presenting Percy Jackson

Ages 8-12. Have you ever wanted to join Percy Jackson at Camp Half-Blood? Ever have that feeling that you might be related to something ancient and powerful? Now is your chance to find out which Olympian will claim you and allow you to train at Camp Half-Blood. Discover the world of Greek mythology and learn about the background to the Percy Jackson series. Join us to play games, make mythological items, and hang out in the mythical world of Rick Riordan's Percy Jackson series. 1 week $185 (includes $60 in fees*)

■ Mon-Fri 8:30am-12pm, Jul 24-Jul 28, **XK-315 6143**   **#4471**

Reading, Writing, and Reasoning

Ages 8-10. Use plot, setting, theme, and character analysis to explore many different kinds of literature. Learn to interpret stories creatively through book talks, story mapping, and discussion questions about social values and author's intent. Sharpen your critical thinking skills through puzzles, games, and story structure analyses. Learn how authors use inductive and deductive reasoning to craft stories and send messages to readers. Have fun while becoming a critically aware reader, writer, and thinker! 1 week $185 (includes $65 in fees*)

■ Mon,Wed,Thu,Fri 8:30am-12pm, Jul 3-Jul 7 **(no class Jul 4)**, ****$161, XK-335 6304**   **#4306**
■ Mon-Fri 8:30am-12pm, Jul 10-Jul 14, **XK-335 6154**   **#4481**
■ Mon-Fri 1pm-4:30pm, Jul 24-Jul 28, **XK-335 6170**   **#4482**

Rockets and Robotics

Ages 7-10. What a great combination! Working in small teams, learn how to write a step-by-step program to follow mazes, react to motion, and build simple LEGO® robots. Build and explore machines and mechanisms, discover motor design differences, and study gearing mechanisms. Then, using some of the concepts learned, design your own rocket that you can test and take home, but not before we have our own launch party (weather permitting)! Offered in conjunction with Goldsmith Education. 1 week $225 (includes $75 in fees*)

- Mon-Fri 8:30am-12pm, Jun 26-Jun 30, **XK-124 6237   #4274**
- Mon-Fri 8:30am-12pm, Jul 17-Jul 21, **XK-124 6273   #4372**

Scratch This: Code Writing for Beginners

Ages 8-11. Why learn Scratch? Scratch is an online program designed by MIT Media Lab. It uses computer programming language to manage multiple forms of media including text, images, animation, and audio recordings to create interactive stories, games, and animations. Build your basic computer coding skills, fine-tune your creativity, intellectual curiosity, and critical thinking skills, and share in a safe online community. No anti-itch cream will be needed! 1 week $185 (includes $60 in fees*)

- Mon-Fri 8:30am-12pm, Jul 17-Jul 21, **XK-104 6113   #4363**
- Mon-Fri 1pm-4:30pm, Jul 24-Jul 28, **XK-104 6199   #4364**

Sculpture for Elementary Artists

Ages 7-10. Jump into three dimensional art by creating projects in four fun materials: paper, clay, mixed media, and metal. Look at historical and current examples, learn new techniques, and think about what makes something art! Projects could include pop-up cards, origami, clay animals and pots, a trick book made from a box, a wire person, and more. 1 week $195 (includes $70 in fees*)

- Mon-Fri 1pm-4:30pm, Jun 26-Jun 30, **XKE-228 6048   #4335**

Sew Fun: Make Your Own Doll Clothes ⊘NEW!

Ages 8-10. Learn to make clothes for your doll using simple stitches. Bring your favorite doll to class. Make a shirt, skirt, dress, and accessories using a variety of fabric and trim. Enrich your pattern making and hand stitching skills while creating fun clothes for your doll. 3 days $164 (includes $65 in fees*)

- Wed,Thu,Fri 1pm-4:30pm, Jun 21-Jun 23, **XKE-240 6103   #7700**

Sports, Music, and Games for ESL ⊘NEW!

Ages 7-10. Is it time for the seventh inning stretch? What is the wave? Improve your English vocabulary and communication skills through the study of sports, music, and games. Discuss, play, and watch a variety of sports. Listen to music from different eras and play traditional American card and board games. Learning has never been so much fun! 1 week $185 (includes $60 in fees*)

- Mon-Fri 8:30am-12pm, Jul 17-Jul 21, **XK-414 0009   #7620**

Star Wars Stop Animation ⊘NEW!

Ages 8-10. Make your own Star Wars adventure come to life! Bring in your favorite action figures and create a short film with your friends. Whether you want to recreate a scene from *Star Wars* or design a new world of your own, this class brings your dreams to the screen. You will need to bring in action figures or vehicles from home, but all other equipment is provided. Student-created films will be available on a password protected website to share with friends and family. You will work in pairs or teams for most of the program. Offered in cooperation with Black Rocket Productions, LLC. 3 days $155 (includes $75 in fees*)

- Wed,Thu,Fri 8:30am-12pm, Jun 21-Jun 23, **XK-409 6364   #7611**

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Kids On Campus

#ThreadsAndThimbles

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Kids On Campus

#TouchTypeCreate

Threads and Thimbles

Ages 7-10. Can you repair a seam, fix a hem, or replace a missing button? If not, this class is for you. Learn the fundamentals of basic hand-stitching that will make you confident in doing minor repairs. In addition, learn the art of needle point, cross stitching, and embroidering. This class will be "sew" much fun. 1 week $170 (includes $65 in fees*)

■ Mon,Wed,Thu,Fri 1pm-4:30pm, Jul 3-Jul 7 **(no class Jul 4), XKE-156 6223   #4321**

Touch, Type, and Create

Ages 8-10. Do you use the "hunt and peck" method to send an instant message or an email to your friends? Learn how to type at a rate of 15-25 words per minute without making a lot of mistakes. Become skilled at basic word processing, formatting, correcting errors, and proofreading your work. Practice cutting and pasting, changing fonts, underlining, using italics, and bolding. This interactive class will keep your fingers flying across your keyboard. 1 week $185 (includes $60 in fees*)

■ Mon-Fri 1pm-4:30pm, Jul 17-Jul 21, **XK-369 6010   #4501**
■ Mon-Fri 8:30am-12pm, Jul 24-Jul 28, **XK-369 6333   #4502**

Toybox Machines

Ages 7-10. Create a simple machine of your own with toy parts and everyday objects. Then integrate all of the individual machines to attempt a Rube Goldberg Machine. Observe the many silly chain reactions that showcase cause and effect types of actions. Develop creative and critical thinking skills as you experiment and build, deconstruct, and engineer a new and better contraption. Having fun is only half the objective in this stimulating class. 1 week $195 (includes $70 in fees*)

■ Mon-Fri 1pm-4:30pm, Jul 17-Jul 21, **XK-374 6190   #4506**
■ Mon-Fri 8:30am-12pm, Jul 31-Aug 4, **XK-374 6192   #4507**

Unlocking the Mysteries of Math

Ages 7-8. Solve sums and differences while playing hands-on games. Crack the code of place value and numbers. Play games such as Pocket Full of Coins, Four Coin Draw, and Race to $1 to explore concepts of money. Unveil ways to solve math problems using logic and reasoning. Math has never been so much fun! 1 week $190 (includes $55 in fees*)

■ Mon-Fri 1pm-4:30pm, Jul 10-Jul 14, **XK-150 6067**   **#4389**
■ Mon-Fri 1pm-4:30pm, Jul 17-Jul 21, **XK-150 6259**   **#4390**

Virtual Reality: The Future is Now ⊘NEW!

Ages 8-10. 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 a mobile device. You do not need a mobile device to take the class, but to use the VR headset at home you will need access to an Android or Apple mobile device. You will work in pairs or teams for most of the program. Offered in cooperation with Black Rocket Productions, LLC. 1 week $259 (includes $90 in fees*)

■ Mon-Fri 1pm-4:30pm, Jul 24-Jul 28, **XK-427 6934**   **#7629**

Who Done It?

Ages 7-10. Become a detective and solve mysteries. Join your classmates in solving a crime from start to finish using fingerprints, secret codes, clues, disguises, and other investigative techniques. Put your skills to the test and unravel the mystery. 1 week $185 (includes $55 in fees*)

■ Mon-Fri 1pm-4:30pm, Jun 26-Jun 30, **XK-287 6460**   **#4299**
■ Mon,Wed,Thu,Fri 1pm-4:30pm, Jul 3-Jul 7 **(no class Jul 4),******$165, XK-287 6449**   **#4298**

Woodshop: Basics to Boxes

Ages 8-10. Master woodworking basics in three take-home projects: an elegant cutting board, a gift box, and an indestructible tool-box. Follow plans, measure, mark, cut, drill, shape, and finish with hand tools. Returning students create advanced projects! Offered in conjunction with FutureMakers. 1 week $249 (includes $95 in fees*)

■ Mon-Fri 1pm-4:30pm, Jul 17-Jul 21,
  XK-190 6119   **#4403**
■ Mon-Fri 8:30am-12pm, Aug 14-Aug 18,
  XK-190 6127   **#4404**

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Kids On Campus

#WoodshopBasicsToBoxes

Young Authors and Illustrators

Ages 8-10. Does your child make up endless stories and imagine fantastic characters? Do they enjoy drawing superheroes or cartoon animals? This class focuses on artistic book building using some of the same techniques as well-known children's book illustrators: Eric Carle, Tommie dePaola, and Leo Lionni. As we look at these writers and artists for inspiration, your child's imagination will soar! 1 week $185 (includes $60 in fees*)

■ Mon-Fri 8:30am-12pm, Jul 24-Jul 28, **XK-183 6033   #4400**

Young Writer's World

Ages 7-8. Develop writing techniques not normally learned until much later in school. This interactive class covers a variety of writing styles and related skills including illustration and publication. You have the chance to write and share stories, poems, and journal entries, and compile them into your own "book." 1 week $180 (includes $55 in fees*)

■ Mon-Fri 8:30am-12pm, Jul 31-Aug 4, **XK-271 6008   #4435**
■ Mon-Fri 8:30am-12pm, Aug 7-Aug 11, **XK-271 6191   #4436**

Young Writer's World II

Ages 9-10. Are you a budding writer just waiting for an opportunity to hone your skills? Come join us for a week of developing writing styles and techniques not normally learned until much later in school. This interactive class covers writing styles from nonfiction to fantasy fiction and beyond. You will also have the opportunity to learn a bit about the publication process and come away from class with a "book" that has been written, edited, and published by you! 1 week $180 (includes $55 in fees*)

■ Mon-Fri 1pm-4:30pm, Jul 17-Jul 21, **XK-180 6082   #4397**

Yummy Art Camp

Ages 7-10. Get your spoon, paintbrush and chocolate syrup ready to create art! From cupcake design to mosaics with food to chocolate syrup painting, it's all about the wonderful and wacky world of food art! We'll build spaghetti sculptures and learn about food artists such as Vic Muniz, Lisa Cherkasky, Renee Comet, Jason Mecier, and others. We'll even make our own incredible edibles and play "foodie" games using marshmallows, cereal, chocolate syrup, crackers, pasta, flour, and more. Use techniques that include graphic design, painting, sculpture, and mosaics. This is art that's good enough to eat. No peanut or peanut oils will be used. Offered in cooperation with Abrakadoodle™ Art Education. 1 week $235 (includes $85 in fees*)

■ Mon-Fri 1pm-4:30pm, Jul 10-Jul 14, **XKE-162 6111   #4537**
■ Mon-Fri 1pm-4:30pm, Aug 7-Aug 11, **XKE-162 6842   #4538**

Zentangle Inspired Art ⊘NEW!

Ages 7-10. Unleash your creativity and create beautiful personalized art by combining repetitive patterns, taught one stroke at a time. This fun and relaxing art form is ideal for beginners and artists alike. Be inspired to create abstract and Zentangle inspired art. 3 days $135 (includes $65 in fees*)

■ Wed,Thu,Fri 8:30am-12pm, Jun 21-Jun 23, **XKE-231 6944   #7650**

▶ AGES 11-14
Middle School Students

> On Monday, please bring your students to the Hickory Ridge Building, where classroom information will be posted. Most classes are located in the Hickory Ridge Building. Students should be dropped off at the Hickory Ridge Building no earlier than 10 minutes prior to the start of class. To view a campus map, see page 7.

6th Grade Math Review ⊘NEW!

Ages 11-13. This course is for all students who finished 6th grade math and are going into 7th grade math. Practice working with ratio and rates, comparing integers and comparing positive and negative rational numbers, multiplying and dividing fractions, evaluating expressions, solving one-step equations, and finding area of triangles and quadrilaterals. Get a jump on a stellar 7th grade year! Bring a notebook to class. 1 week $190 (includes $65 in fees*)

■ Mon-Fri 8:30am-12pm, Jul 31-Aug 4, **XK-417 6947**   **#7653**

Advanced Robotics with Mindstorm ⊘NEW!

Ages 11-14. Are you familiar with the basics of LEGO® Mindstorms? Then this class is for you! Working in teams, you will move up to more elaborate robots and programming while learning science, technology, engineering, and mathematics in the robotics context. Offered in conjunction with Goldsmith Education. 1 week $225 (includes $70 in fees*)

■ Mon-Fri 1pm-4:30pm, Aug 7-Aug 11, **XK-144 6227**   **#4385**

App Adventures! The Next Level

Ages 11-14. Continue your quest to make the next viral app! Whether you want to move past the basic techniques learned in App Attack or want to jump right in, we are ready for you! Choose from a selection of different web-based (HTML5) mobile apps and explore more in-depth programming concepts. Projects will be accessible on a Black Rocket site and can be played on any mobile device or computer. Publishing to app stores not included. No prior experience is necessary and you do not need to own a smartphone or tablet to take the class. You will work in pairs or teams for most of the program. Returning students can create more advanced projects that build on previous years. Offered in cooperation with Black Rocket Productions, LLC. 1 week $235 (includes $75 in fees*)

■ Mon-Fri 1pm-4:30pm, Jul 10-Jul 14, **XKE-198 6967**   **#4550**

*Fees not eligible for waiver   **Neither XE/XKE course tuitions nor their fees are eligible for waiver

App Attack! Make Your First Game App

Ages 11-14. Take the first steps into the world of mobile app design and customize your own game app! Using a specialized app & game development tool, you 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 first-hand 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. No prior experience is necessary and students do not need to own a smartphone or tablet to take the class. You will work in pairs or teams for most of the program. Returning students can create more advanced projects that build on previous years. Offered in cooperation with Black Rocket Productions, LLC. 1 week $235 (includes $75 in fees*)

■ Mon-Fri 1pm-4:30pm, Jun 26-Jun 30, **XKE-197 6344   #4329**
■ Mon-Fri 1pm-4:30pm, Aug 7-Aug 11, **XKE-197 6091   #4549**

Archaeology

Ages 11-14. History leaves evidence, and that evidence ends up buried in the dirt under your feet. Learn about archaeological field methods, mapping, and interpretation using real archaeological artifacts. Explore famous archaeological digs from dinosaurs to mummies to the *Titanic*. There will be an opportunity to get your hands dirty and make some discoveries of your own. 1 week $189 (includes $65 in fees*)

■ Mon,Wed,Thu,Fri 8:30am-12pm, Jul 3-Jul 7 (**no class Jul 4**), ****$165, XK-343 6370   #4307**
■ Mon-Fri 1pm-4:30pm, Aug 7-Aug 11, **XK-343 6371   #4485**

Bedazzled by Beads

Ages 11-14. Are you attracted to jewelry? Learn how to turn ordinary beads, metal, and string into stunning wearable art. Use patterns to create colorful bead strands, glass and wire pendants, bracelets, earrings, and more. Practice weaving beautiful friendship bracelets and discover the cultural significance of the jewelry you love. 1 week $199 (includes $75 in fees*)

■ Mon-Fri 1pm-4:30pm, Aug 7-Aug 11,
  XKE-104 6270   #4529

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Kids On Campus

#BedazzledByBeads

Beginning Japanese

Ages 11-14. Konnichiwa! Learn Kanji alphabet characters, simple vocabulary, and pronunciation by taking part in elementary conversations. Enjoy Japanese culture by reviewing traditions of past and present, viewing Japanese anime such as Naruto and Pokémon, making origami crafts, learning Japanese calligraphy writing, and tasting popular Japanese cuisine. Taught by a native speaker. 1 week $190 (includes $75 in fees*)

■ Mon-Fri 1pm-4:30pm, Jun 26-Jun 30,
  XK-400 6929   #4317

Brown Eyes, Blue Eyes: Genetics Tell It All

Ages 11-14. Why do you look similar to your parents and relatives? In this unique introduction to the science of genetics, investigate DNA and learn how it determines your physical make-up. Using the theories of Gregor Mendel, a famous geneticist, study the principles of heredity with plants and animals to determine how and why certain inherited traits make you the way you are. 1 week $190 (includes $65 in fees*)

■ Mon-Fri 1pm-4:30pm, Jul 24-Jul 28, **XK-258 6296**   **#4430**   Science and Technology

Business Beginnings

Ages 11-14. Turn your creative concepts into a well-structured business operation. From the brainstorming of an idea through production and waste control to actual sales, you will learn the how-to's and how-not-to's of beginning a business. You will create a product, sell it, and plan how to use the profits. Bring $5 to the first class for start-up. 1 week $185 (includes $55 in fees*)

■ Mon-Fri 1pm-4:30pm, Jun 26-Jun 30, **XK-241 6343**   **#4293**
■ Mon-Fri 1pm-4:30pm, Jul 31-Aug 4, **XK-241 6229**   **#4425**
■ Mon-Fri 1pm-4:30pm, Aug 7-Aug 11, **XK-241 6467**   **#4426**

Chess and Games of Strategy

Ages 11-14. Make a move in the right direction by learning this classic board game. Strategy means outwitting your opponent, and chess is the most famous game of skill. Learn the background of chess, terminology, goals of the game, rules and simple moves to open play. Discuss the mechanics and skills used in several other games of strategy like checkers, Battleship, and even tic-tac-toe. Beginners welcome. 1 week $155 (includes $50 in fees*)

■ Mon,Wed,Thu,Fri 1pm-4:30pm, Jul 3-Jul 7 **(no class Jul 4), XKE-129 6424**   **#4535**

Chopped ⊘NEW!

Ages 11-14. Do you enjoy food challenge reality shows? Our version of *Chopped* has the added twist of focusing on different cuisines every day of camp. Each day you will be presented with a basket containing three or four ingredients, which reflect these different cuisines: French, Italian, Mexican, Asian and "All-American." Using these ingredients and working within those cuisines, you will challenge yourself to make mouthwatering specialties, traditional favorites and explore new ingredients, tastes and combinations. Offered in conjunction with Tiny Chefs. 1 week $269 (includes $80 in fees*)

■ Mon-Fri 1pm-4:30pm, Jul 10-Jul 14, **XKE-233 6015**   **#7634**

Code Breakers

Ages 11-14. 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! If you want to be the next Mark Zuckerberg, this course has the essentials you need to begin your journey. Projects will be available on a 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. Offered in cooperation with Black Rocket Productions, LLC. 1 week $235 (includes $75 in fees*)

■ Mon-Fri 8:30am-12pm, Jul 31-Aug 4, **XK-283 6312**   **#4446**
■ Mon-Fri 8:30am-12pm, Aug 14-Aug 18, **XK-283 6206**   **#4445**

Creative Design and Robotics

Ages 11-14. The world of the future belongs to robots! In this cutting-edge class, you will learn the fundamentals of motorized mechanisms, design principles, sensors, and sound activation. Separate fact from fantasy by designing and building prototypes of task oriented robots. Apply problem-solving skills to improve how robots function in a series of design challenges! You will work in pairs or teams for most of the class. Offered in cooperation with Black Rocket Productions, LLC. 1 week $215 (includes $85 in fees*)

■ Mon,Wed,Thu,Fri 1pm-4:30pm, Jul 3-Jul 7 **(no class Jul 4), XK-302 6162   #4301**

Creative Writing for Middle School

Ages 11-14. Explore the world of your imagination and create free verse, blank verse, lyric poetry, character sketches, personal narratives, and dramatic monologues. Learn techniques of journal writing. You will publish a literary magazine using a PC. 2 weeks $309 (includes $60 in fees*)

■ Mon-Fri 8:30am-12pm, Jun 26-Jul 7 **(no class Jul 4), **$289, XK-281 6278   #4296**
■ Mon-Fri 8:30am-12pm, Jul 10-Jul 21, **XK-281 6210   #4443**
■ Mon-Fri 8:30am-12pm, Jul 24-Aug 4, **XK-281 6209   #4442**

Dancing Around the World ⊘NEW!

Ages 11-14. Do you think you can dance? Let the beat move your feet and explore world cultures through traditional and fun dances from India, Latin America, and more. Throughout history people have used dance to celebrate, tell stories, and pass on traditions. Expand your horizons as you learn about the customs and culture of other countries through the lens of dance. 3 days $125 (includes $60 in fees*)

■ Wed,Thu,Fri 8:30am-12pm, Jun 21-Jun 23, **XK-405 6324   #7595**

Design & Build Your Own Space Rover ⊘NEW!

Ages 11-14. Design and build a NASA rover to explore new worlds. You, working as engineers, will outfit a small rover with simple machines to investigate a new world. As each machine is integrated onto the rover, you will discuss the purpose of the machine and how it is best suited for a particular job such as craft movement, sample collection, or data transmission. In this STEAM focused class you will work together, share design ideas, and problem solve in a team environment as you discuss the mission the rover would conduct on the alien world. You will work together on your design but create your own individual rover to take home and share with your families. 1 week $195 (includes $70 in fees*)

■ Mon-Fri 8:30am-12pm, Jul 17-Jul 21, **XK-411 0004   #7617**

Detectives At Work

Ages 11-14. Are you hooked on crime scene television shows like *CSI* or *NCIS*? Many say that these programs contribute little to understanding the real world of forensic science. Use actual scientifically based techniques to study a crime scene, collect and analyze evidence, and come up with your own validated conclusions about "who done it." 1 week $190 (includes $65 in fees*)

■ Mon-Fri 8:30am-12pm, Jul 17-Jul 21, **XK-285 6302   #4448**

Drone Exploration: Fly, Create, Innovate ⊘NEW!

Ages 11-14. Did you know that drones deliver medical supplies to people in need, burritos to college students, and pizza to families? Open your creative mind as you learn about some of the most fascinating drone solutions to date. Teams will learn about some of the incredible problems drone technology has solved and then have the opportunity to interact with inventors currently in the drone industry via video conference. Upon building a base of knowledge, experience and confidence, you will then fly and code drones as you work together in teams to create your own business, environmental, or safety drone solution. Instructors will challenge teams to focus on the social and ethical responsibilities that accompany the powerful and evolving drone technological advances. Offered in conjunction with Drobots Company. 1 week full day **Students taking this class must also register for lunch section XE-666 6952 #7997.** $419 (includes $125 in fees*)

■ Mon-Fri 8:30am-12pm and 1pm-4:30pm, Aug 14-Aug 18, **XK-426 6936**   **#7635**

Drone Search & Rescue ⊘NEW!

Ages 11-14. Drone search and rescue is a necessity for first responders around the world, adding a new layer of solutions to save lives across the globe. Now, you too can take part in and learn from simulated missions during this action-packed and creative program. Learn to use drones and rely on their rescue team to utilize unique vantage points and combine a multitude of images and mapping over specific areas on campus to locate victims and safely rescue them. Teams will also learn invaluable lessons on how to quickly and accurately acquire aerial data that, in return, will enable them to make informed and targeted suggestions for real-world positive applications. Drone safety and the social responsibilities of flying drones are included in this program. Offered in conjunction with Drobot Company. 1 week $239 (includes $75 in fees*)

■ Mon-Fri 8:30am-12pm, Aug 7-Aug 11, **XK-423 6971**   **#7695**

Duct Tape Art

Ages 11-14. Duct tape is like "the Force." There's a light side and a dark side and you will see how it holds the universe together. Come explore new uses of duct tape and how it functions as an art. Use duct tape and paper to create 3-D pieces both functional and nonfunctional such as unique clothing, accessories and constructs. 1 week $199 (includes $75 in fees*)

■ Mon,Wed,Thu,Fri 1pm-4:30pm, Jul 3-Jul 7 **(no class Jul 4), **$175, XKE-114 6181   #4319**
■ Mon-Fri 8:30am-12pm, Aug 7-Aug 11, **XKE-114 6218   #4532**

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#DuctTapeArt

On Monday, please bring your students to the Hickory Ridge Building, where classroom information will be posted. Most classes are located in the Hickory Ridge Building. Students should be dropped off at the Hickory Ridge Building no earlier than 10 minutes prior to the start of class. To view a campus map, see page 7.

Editing With Photoshop and GIMP

Ages 11-14. Two of the most commonly used photo-editing programs are Adobe's Photoshop Elements and the open-source program known as GIMP. This class will expose students to both programs. You will learn how to use all of the tools in each program. You will be given over 200 images on a flash drive as well as specific instruction on how to modify each image. At the end of the week, you will be shown how to download GIMP, so that you can continue to perfect the skills that you learned during the course. Parental permission for you to access the internet is required. Attendance is mandatory on the first day of class. 1 week $189 (includes $60 in fees*)

- Mon,Wed,Thu,Fri 8:30am-12pm, Jul 3-Jul 7 **(no class Jul 4)** ****$165, XK-199 6242**   **#4286**
- Mon,Wed,Thu,Fri 1pm-4:30pm, Jul 3-Jul 7 **(no class Jul 4)** ****$165, XK-199 6243**   **#4287**
- Mon-Fri 1pm-4:30pm, Jul 17-Jul 21, **XK-199 6017**   **#4409**

Electric Art & Engineering Studio

Ages 11-14. Dream, design, and construct electrified kinetic sculptures, eccentric structures, and your own amazing advanced creations in our makerspace. Cut wood, vacuum form plastic, drill, slice foam, add motors, and electronics! Perfect for artists, tinkerers, and budding engineers. Offered in conjunction with FutureMakers. 1 week $245 (includes $85 in fees*)

- Mon-Fri 8:30am-12pm, Jul 10-Jul 14, **XK-165 6108**   **#4391**
- Mon-Fri 1pm-4:30pm, Aug 7-Aug 11, **XK-165 6930**   **#7541**

Fit and Fun: Get Your Game On ⊘NEW!

Ages 11-14. Get up, move, and have fun while learning how to keep your body healthy and fit. Participate in a variety of sports and games including Ultimate Frisbee and kickball. Step up to the plate for a happy and healthy summer! 3 days $129 (includes $65 in fees*)

- Wed,Thu,Fri 8:30am-12pm, Jun 21-Jun 23, **XKE-241 6074**   **#7702**

Fun With Fondant

Ages 11-14. Would you like to take your cake decorating skills to the next level? Learn how to make multiple flowers, leaves, bows, and more out of fondant and gum paste. Paint and accent flowers, cover a cake with buttercream icing and fondant, assemble dried flowers onto your cake and finish your cake with buttercream skills learned in the Fun With Frosting class. You will need to provide an un-iced cake layer on the fourth day of class. A supply list will be sent to each student before the class begins. Some supplies will include items used in the Fun With Frosting class. Please note that frosting and fondant products made with nuts may be used. Prerequisite: Fun With Frosting class. 1 week $199 (includes $75 in fees*)

- Mon-Fri 1pm-4:30pm, Aug 7-Aug 11, **XKE-224 6165**   **#4561**

*Fees not eligible for waiver   **Neither XE/XKE course tuitions nor their fees are eligible for waiver

Fun With Frosting

Ages 11-14. Love to help out in the kitchen? Now you can learn how to decorate like the pros. Learn how to make frosting from scratch, color your frosting, and pipe frosting through a decorating bag. You will decorate cakes, cupcakes, and sugar cookies using a variety of flower patterns, rosettes, dots, basket weave, and shell borders. You will need to provide un-iced cupcakes, cake layers, and cookies. A supply list will be sent to each student before the class begins. Please note that frosting products made with nuts may be used. 1 week $199 (includes $75 in fees*)

- Mon-Fri 8:30am-12pm, Jun 26-Jun 30, **XKE-174 6931   #4326**
- Mon-Fri 1pm-4:30pm, Jun 26-Jun 30, **XKE-174 6932   #4327**
- Mon-Fri 8:30am-12pm, Aug 7-Aug 11, **XKE-174 6093   #4542**

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#FunWithFrosting

Hands on Chemistry

Ages 11-14. Taught in a chemistry lab, this course enables you to learn terminology and, with the use of lab instruments, collect, organize, calculate, and interpret findings while performing experiments. Learn the difference between an acid and a base, how "cool" dry ice can be, and the three states of matter. Learning concepts include atoms and bonding, polymer chemistry, reactions, density, and more. You will take home a recipe booklet of your experiments. 1 week $199 (includes $75 in fees*)

- Mon-Fri 1pm-4:30pm, Jul 17-Jul 21, **XK-145 685   #4387**   Science and Technology

Intermediate Engineering and Robotics

Ages 11-14. Engineering technology is a great way to introduce a budding young scientific mind to the high-tech world! In this class, teams will work together and become technology experts. Instructors will reinforce concepts of force, measurement, construction, design, and much more. You will be challenged to create unique machines using your knowledge of technology and design. Come learn how to do some amazing things with technology. Offered in conjunction with Goldsmith Education. 1 week $225 (includes $70 in fees*)

- Mon-Fri 8:30am-12pm, Jul 10-Jul 14, **XK-354 6265   #4494**
- Mon-Fri 1pm-4:30pm, Jul 24-Jul 28, **XK-354 6222   #4493**

Intro to Robotics with Mindstorm

Ages 11-14. Do you know what a robot is capable of doing? Get ready to take control! You will build robots, program them to accomplish tasks, respond to external stimuli, and overcome challenges. Using the NXT brick from LEGO®, you will control the robot using NXT programming language and software programming techniques. Experience the challenges of navigation, avoiding and climbing over obstacles, and moving objects. $155 (includes $65 in fees*)

- Wed,Thu,Fri 8:30am-12pm, Jun 21-Jun 23, **XK-440 6975   #7752**
- Wed,Thu,Fri 1pm-4:30pm, Jun 21-Jun 23, **XK-440 6976   #7753**

PULL-OUT REGISTRATION INFORMATION AND FORM

REGISTRATION BEGINS TUESDAY, FEBRUARY 7, 2017!

For all registration options, please register using the STUDENT'S name and student ID number, not the parent's.

CHOOSE 1 OF 4 EASY OPTIONS:

HCC Express

Option 1: ONLINE – hccexpress.net
Register and pay online. Get immediate confirmation. You will be registering as a Noncredit/Continuing Education student. **New out-of-county, out-of-state, or international students must register for the first time by fax, mail-in, or walk-in.** If you run into any problems, HCC staff can help you through the process. Call 443-518-4444 anytime between 8:30am and 6pm. A consent form is included in online registration.

Option 2: FAX – 443-518-4333
Fax your registration and consent form (with student, not parent, information) and credit card information for VISA, MasterCard, AMEX, or Discover (including account number and expiration date) to 443-518-4333. Credit card information must accompany faxed-in registration. (Please allow two days for processing.) If you use this method, be sure to fax, mail or complete an online consent form. Confirmation will be emailed.

Option 3: IN PERSON
Visit the Registration Office in Room 233 of the Rouse Company Foundation Student Services Building (RCF 233). Hours: 8:45am-7pm Monday through Thursday; 8:45am-5pm Fridays. If you use this method, be sure to fax, mail or complete an online consent form.

Option 4: MAIL
Complete this registration form and consent form, using the student (not parent) information, enclose credit card information OR a check payable to Howard Community College (put your name, address, home & business phones, and the student's name and ID number on the check), and mail to: Howard Community College, 10901 Little Patuxent Parkway, Columbia, MD 21044-3197, ATTN: Lock Box Cashier RCF 203. **To download and print registration forms for more than one child, go to coned.howardcc.edu/kocreg.** Caution! Since mail is the slowest method and classes fill quickly, this should be your last option. Please allow enough time for the mail to reach us before class starts. If you use this method, be sure to fax, mail or complete an online consent form. Confirmation will be emailed.

Please note that we do not accept registrations or registration forms by email.

YOU MUST SUBMIT A CONSENT FORM BEFORE THE CLASS STARTS, OR YOUR CHILD WILL BE DROPPED FROM THE CLASS.

Tuition must be paid in full at time of registration.
Tuition includes a built-in registration fee and materials fee.
No fee reduction will be made for missed classes.

Kids On Campus Registration Form
Registration Opens February 7, 2017
Please complete all information (incomplete forms cannot be processed). PLEASE PRINT NEATLY

Student ID#: (for returning students only) _____

Email Address:_____

Name: *(Last)* _____ *(Full First Name)*_____

Address: (Street) _____

City _____ State _____ Zip: _____ County: _____

Home Phone:_____ KOC Parent Cell Phone: _____

KOC Parent Business Phone:_____

Date of Birth: _____ / _____ / _____

Gender: ☐ Male ☐ Female

- Are you of Hispanic or Latino origin? Yes___ No___
- What is your race? *Select one or more of the following categories:*
  ___American Indian or Alaska Native ___Asian
  ___Black or African American ___White
  ___Native Hawaiian or Other Pacific Islander
  (For race definitions, visit howardcc.edu/categorydefinitions)

COURSE INFORMATION:

INDEX #	COURSE NO. & SECTION	TITLE	DATE/TIME	TUITION

Out-of-county Maryland residents add $10 per course.
Residents outside Maryland add $20 per course. ➡

TOTAL

Students who register by mail or fax will receive an email registration confirmation (printed confirmations will no longer be mailed).

☐ I don't want to receive registration confirmation emails.

Where did you learn about HCC's Summer Youth Programs?_____

☐ Check here if you are interested in receiving emails from us with KOC news, updates, and more.

CREDIT CARD INFORMATION:

(check one) ☐ Visa ☐ Mastercard ☐ AmEx ☐ Discover

Card#: _____ Expiration Date: _____

Cardholder's Name (Please print legibly): _____ Signature: _____

Students who receive more than half of their financial support from others should list the address of such person(s) if different from student's home address.

Kids On Campus Consent Form 2017

* = Required Information
Online consent form also available at coned.howardcc.edu/koc/consent

Student's Name* _____

Parent/Guardian Name* _____

Birth Date* _____ Age* _____

Student's Home Address: (Street)* _____

City* _____ State* _____ Zip* _____

Preferred phone contact number* _____

Email* _____

EMERGENCY CONTACT INFORMATION–Person to Contact in the event of an emergency

Parent/Guardian Name* _____

Emergency Contact Daytime Phone* _____

Name of Alternate Emergency Contact* _____

Alternate Emergency Contact Daytime Phone* _____ Relationship* _____

HEALTH INFORMATION FOR THE STUDENT

Name of Physician or HMO* _____

Physician's Phone Number* _____

Please list student's allergies* _____

Please list academic, emotional/behavioral, or medical conditions of which staff should be aware*

_____

SCHOOL INFORMATION

Is your student currently enrolled in a public or private school in the U.S.?* ☐ Yes ☐ No

If Yes, school attended (2016-17)* _____ Grade* _____

School Address* _____

City* _____ State* _____ Zip* _____

If student is not enrolled in a public or private school in the U.S., a full immunization record is required before registration is finalized. Please submit form DHMH 896 to the Kids on Campus office.

Is your student exempt from any immunization on medical or religious reasons?* ☐ Yes ☐ No

If student is exempt from any immunization for medical or religious grounds, please submit form DHMH 896 to the Kids on Campus office.

(continued on back)

Student Name (please print legibly)_____

PARENTAL CONSENT/RESPONSIBILITIES
Please check box to indicate that you have read these policies.

ATTENDANCE/DISMISSAL

☐ I understand and consent to these attendance/dismissal policies*

Attendance is taken daily. Parents will be notified of absences using information submitted on consent form. For early dismissals, parents must come to HR-100 and sign the student out before the student will be released from class. At dismissal, students will be supervised until picked up or late policy comes into effect. Identification is not routinely required. Other arrangements (bike, walk, bus, etc.):
Please specify other arrangements:_____

_____

Parents should not leave their child on campus earlier than 10 minutes prior to the start of the class. UNSUPERVISED STUDENTS ARRIVING EARLY WILL BE SENT TO BEFORE CARE AND CHARGED A FEE. Students must be picked up promptly after their classes. For 8:30AM-12PM classes, students not picked up by 12:15PM will be placed in a supervised lunchroom in the Hickory Ridge Building and registered for lunch. For 1PM - 4:30PM classes, students not picked up by 4:45PM will be escorted to HVPA-140, where they will be in After Care. THERE WILL BE A $5 LATE FEE CHARGED FOR EVERY 15 MINUTES OF LATENESS.

MEDICATIONS

☐ I understand and consent to these medication policies*

HCC will not administer any medications to students. If medication must be taken while the student is on campus, the parent/guardian is responsible for coming to campus to administer the medication. Written permission from a physician is required for those students who are able to self-medicate. Call 443-518-4110 for a required form. In an emergency, trained staff will administer epi pens or inhalers provided by students.

PARENTAL CONSENT AGREEMENT

☐ I understand and consent to the parental consent agreement.*

I approve of my child's enrollment in the Kids on Campus enrichment program and take responsibility for my child's compliance with appropriate student behavior. DISRUPTIVE AND INAPPROPRIATE BEHAVIOR WILL NOT BE TOLERATED AND WILL RESULT IN NON-REFUNDABLE DISMISSAL.

☐ I do hereby grant and give Kids on Campus and Howard Community College the right to use my or my child(ren)'s photograph or other image in conjunction with other persons or objects and presentations, advertising, publicity (including social media such as Facebook) and promotions for Howard Community College authorized groups related thereto.

RELEASE OF INFORMATION TO HCC

☐ Please check this box to indicate you have read and agree to the release of information statement below.*

I authorize the release of my child's grade level to Howard Community College. This information is needed to verify either past or current enrollment in honors, gifted and talented, advanced placement, accelerated courses, or above grade level classes. This information will be submitted to the Maryland Higher Education Commission along with other enrollment data. If further information is needed, please call 443-518-4110.

WAIVER OF RESPONSIBILITY

☐ Please check this box to indicate you have read and agree to the waiver of responsibility statement below.*

I/We understand and voluntarily assume all risks inherent in the nature of this activity and I/we waive and release all claims, costs, liabilities, expenses and judgements against HCC and release HCC and its representatives arising out of my child's participation in the activity at Kids on Campus. HCC and Kids on Campus are not responsible for personal items brought or left on campus. Electronic devices and cell phones may not be used during class hours without instructor permission. HCC is not responsible for lost, broken, or missing items.

THIS FORM MUST BE SIGNED AND DATED TO BE OFFICIAL
IN ORDER FOR STUDENT TO BE REGISTERED.

☐ I certify the above information to be true and correct to the best of my knowledge. I understand that it is my responsibility to notify the Records Office of any change in the information contained in this application. I will take financial responsibility for my child's tuition payment to HCC. I certify that I am registering a student for a Kids on Campus (KOC) course, that the student has resided at the above address WITH A PARENT OR LEGAL GUARDIAN for at least three months, and that the information presented here is correct to the best of my knowledge.

Parent or Legal Guardian Signature* _____   Date*_____

Parent/Guardian Name (please print legibly) _____

Intro to Zoology

Ages 12-14. Want to know about animals inside and out? Explore different phyla in the animal kingdom including sponges, starfish, earthworms, grasshoppers, frogs, and chickens. You will be introduced to basic ecological principles that describe how various physical structures allow an animal to interact with its environment. Using sound laboratory safety techniques, you will learn about both internal and external structures. This hands-on science applications class is meant to be an enrichment opportunity for the inquisitive and focused learner. Due to many dissection activities, you must have a good attitude and strictly observe instructor's guidelines. 1 week $199 (includes $75 in fees*)

■ Mon-Fri 1pm-4:30pm, Jul 31-Aug 4, **XK-391 6195   #4514**

Introduction to Debate

Ages 11-14. Do you have strong opinions? Are you trying to understand today's world? Learn about controversial issues in society and how to defend and debate your position. Strengthen your critical thinking skills, public speaking skills, and learn how to construct logical arguments. 1 week $185 (includes $60 in fees*)

■ Mon-Fri 8:30am-12pm, Jul 10-Jul 14, **XK-348 6169   #4490**

Introduction to Pre-Algebra ⊘NEW!

Ages 11-14. Are you ready for Pre-Algebra next year? If not, this course will help you prepare for the class. You will be able to apply the four basic operations with positive and negative rational numbers represented by fractions or decimals, solve a variety of percent problems, solve one-step and two-step equations and inequalities with real-world problems, find area, perimeter, and circumference of two-dimensional objects, and determine surface area and volume of three-dimensional objects. You will also be introduced to probability. Only students who have taken 7th grade math should take this course. Bring a notebook and calculator to class. $189 (includes $65 in fees*)

■ Mon-Fri 8:30am-12pm, Jul 24-Jul 28, **XK-418 6946   #7652**

Introduction to the United Nations

Ages 11-14. Step into the shoes of ambassadors from United Nations member states to debate current issues on the organization's vast agenda. Become a diplomat representing a nation in a simulated session of the United Nations, such as the Security Council or the General Assembly. Research a country, investigate international issues, debate, deliberate, consult, and then develop solutions to world problems. You will use a variety of communication and critical thinking skills in order to represent the policies of your country. Learn how to incorporate public speaking, policy analysis, active listening, negotiating, and conflict resolution to solve international issues. 1 week $185 (includes $60 in fees*)

■ Mon-Fri 1pm-4:30pm, Jul 10-Jul 14, **XK-186 6232   #4401**

Is It Who Or Whom?

Ages 11-14. This specialized writing class concentrates on the sentence, the building block of writing. Learn to identify the parts of speech, study the correct use of verbs, determine subject/predicate, examine phrases and clauses, and construct sentences using proper grammar and punctuation. By means of group editing, you will explore the fundamentals of good sentence structure, bringing clarity to your writing. This course will help you prepare for various standardized writing tests. 1 week $180 (includes $55 in fees*)

■ Mon-Fri 1pm-4:30pm, Jul 24-Jul 28, **XK-314 6092   #4302**

It's All Fun and Games ⊘NEW!

Ages 11-14. Unplug your electronics and get ready to have fun! Learn to play traditional family night games such as hearts, rummy, and charades. Engage your brain and outsmart your opponents. Learn game rules and strategies that will make you an excellent host or guest and help you create fun that will last a lifetime. $125 (includes $60 in fees*)

■ Wed,Thu,Fri 8:30am-12pm, Jun 21-Jun 23, **XKE-239 6949**   **#7655**

Jedi Training Camp

Ages 11-14. If you love *Star Wars*, this IS the camp you are looking for! Make a tunic, create a lightsaber, learn about survival methods on different planets, design a droid from repurposed materials, and test your agility. Enjoy these and other fun and interesting activities. Come prepared, Padawan training will take place both inside and outdoors. May the force be with you. 1 week $195 (includes $70 in fees*)

■ Mon-Fri 8:30am-12pm, Jul 24-Jul 28, **XK-402 6012**   **#4526**

Junior Medic

Ages 12-14. Examine the basics of biology and health issues with an emphasis on anatomy and physiology. Potential doctors and nurses will be intrigued by investigating organic specimens such as the heart, brain, eyes, and kidneys in this course. The marvels of the human body and the power of medical knowledge are the right "prescription" for summer learning. You will also receive CPR certification training as a part of this course. This is a hands-on anatomy and physiology lab class meant to be an enrichment opportunity for the inquisitive and focused learner. Due to many dissection activities, you must have a good attitude and strictly observe instructor's guidelines. Great for students to experience a college lab setting. 2 weeks $349 (includes $105 in fees*)

■ Mon-Fri 1pm-4:30pm, Jul 17-Jul 28, **XK-291 6231**   **#4451**

Meet Our Instructor   Alyssa Kendall

Alyssa Kendall has over 10 years of experience working as a scientist in the Baltimore/DC area. She has been an instructor for biology and chemistry courses at HCC's Department of Science, Engineering, and Technology since 2011. During this same time period, she has enjoyed teaching middle school anatomy and physiology, chemistry, and zoology classes as part of HCC's Kids on Campus program. Prior to teaching at HCC, Ms. Kendall served as a microbiologist for the U.S. Department of Agriculture and a staff scientist for The Roberts Group. She holds a master's of science in biology from the Indiana University of Pennsylvania and a bachelor's of science in food science and human nutrition from the University of Florida. She has also completed graduate-level coursework in laser capture microdissection at the Foundation for the Advanced Education in the Sciences and in international food regulations at Michigan State University.

Junior Medic

Latin Language and Roman Culture

Ages 11-14. Why wait until high school to begin the newly revived pursuit of this once "dead language?" Move steps ahead of your peers as you sharpen your mind, increase your understanding of Latin and English, and potentially improve SAT scores. You will study the culture in which the language was spoken. "Tempus Fugit." 1 week $185 (includes $60 in fees*)

■ Mon,Wed,Thu,Fri 8:30am-12pm, Jul 3-Jul 7 **(no class Jul 4)** ****$165, XK-345 6220**   **#4308**
■ Mon-Fri 1pm-4:30pm, Jul 10-Jul 14, **XK-345 6176**   **#4488**

Leadership Skills

Ages 13+. Learn how to become a leader in high school and beyond! Discover if you are already a leader, learn about leadership skills, create ways to model leadership in school, and brainstorm ways you can serve your community. Enhance intra- and inter-personal skills; gain self-confidence and self-actualization; learn to think, write, read, present, and research critically. 1 week $179 (includes $55 in fees*)

■ Mon-Fri 1pm-4:30pm, Aug 7-Aug 11, **XK-292 6235**   **#4452**

Legal Eagles: Trial by Jury

Ages 11-14. Innocent or guilty? Take turns playing prosecutor, judge, and jury in this intriguing introduction to law and the court system. You get to hear cases, present testimony, and decide the verdict in a mock trial. 1 week $179 (includes $55 in fees*)

■ Mon-Fri 1pm-4:30pm, Jun 26-Jun 30, **XK-284 6276**   **#4297**
■ Mon-Fri 8:30am-12pm, Jul 24-Jul 28, **XK-284 6221**   **#4447**

Meet Our Instructor   **JoAnne Breslin, Esq.**

JoAnne Breslin has over 20 years of progressive experience in the litigation field. In addition to teaching one of our Legal Eagles classes at Kids on Campus, she handles administrative legal matters as the assistant manager for the employee relations unit of the Maryland Department of Public Safety and Correctional Services. She has served as a litigation attorney at Maryland Automobile Insurance Fund and has managed her own firm with the Maryland Automobile Insurance Fund. She holds her law degree from the University of Baltimore School of Law, a bachelor's degree in jurisprudence from the University of Baltimore, and an associate's degree in paralegal studies from Prince George's Community College.

Legal Eagles

LEGO® Comics: Design Your Own Adventure! ⊘NEW!

Ages 11-14. In this LEGO adventure, YOU are the star! Pick your favorite LEGO genre or create an alternate universe to create a digital illustrated story or graphic novel. Whether you want to fight alongside Superheroes, create a Minecraft story, hang with the Nexo Knights, or go into space with Rey and Finn, the only requirement is that you put yourself in the story! You will end the class with a digital comic book that can be shared with friends and family on a password protected website! You will work in teams for most of the program. Offered in cooperation with Black Rocket Productions LLC. 1 week $205 (includes $75 in fees*)

■ Mon,Wed,Thu,Fri 8:30am-12pm, Jul 3-Jul 7 **(no class Jul 4), XK-430 6018**   **#7638**

LEGO® Video Games

Ages 11-14. Combine your two favorite activities: LEGOs and video games! Create your own LEGO characters and adventures in an interactive 2-D video game. Everyone is welcome in this one of a kind class. At the end of the program, you will have a finished LEGO video game that can be shared with friends and family through a password protected Black Rocket website. Games are only compatible on PC computers; Mac versions can be created after the program for a $15 conversion fee. You will work in pairs or teams for most of the program. Returning students can create more advanced projects that build on previous years. Offered in cooperation with Black Rocket Productions, LLC. 1 week $235 (includes $75 in fees*)

■ Mon-Fri 8:30am-12pm, Aug 14-Aug 18, **XK-311 6137**   **#4469**

Make Your First 3-D Video Game!

Ages 11-14. 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 2-D 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. Student created games will be available on a password protected Black Rocket website to share with friends and family. Games are only compatible on PC computers, Mac versions can be created after the program for $15 conversion fee. You will work in pairs or teams for most of the program. Returning students can create more advanced projects that build on previous years. Offered in cooperation with Black Rocket Productions, LLC. 1 week $235 (includes $75 in fees*)

■ Mon-Fri 1pm-4:30pm, Jul 17-Jul 21, **XK-194 6638**   **#4407**
■ Mon-Fri 1pm-4:30pm, Aug 14-Aug 18, **XK-194 6992**   **#8004**

> On Monday, please bring your students to the Hickory Ridge Building, where classroom information will be posted. Most classes are located in the Hickory Ridge Building. Students should be dropped off at the Hickory Ridge Building no earlier than 10 minutes prior to the start of class. To view a campus map, see page 7.

Manga for Students

Ages 11-14. Join in the newest trend in cartooning and animation. Manga, or Japanese comic book art, has a certain characteristic look, whether hand drawn or computer generated, and it also incorporates a writing component. Create manga characters, develop a storyline, and lay out comic pages in this contemporary class. Practice penciling, inking, and lettering techniques. This course is meant for the student who has some familiarity with these unique comic book collections. Work with an award-winning local artist with specialized experience in the field. 1 week $189 (includes $65 in fees*)

■ Mon-Fri 8:30am-12pm, Jun 26-Jun 30, **XK-370 6105** **#4311**
■ Mon-Fri 1pm-4:30pm, Jul 10-Jul 14, **XK-370 6185** **#4503**

Middle School Pets and Vets

Ages 11-14. Advance your learning about pet ownership and the many roles veterinarians play. Develop skills in training pets and promoting their good health. Hands-on activities will be provided as you continue to study facts about animal behavior, tricks, and tips. 1 week $189 (includes $60 in fees*)

■ Mon-Fri 1pm-4:30pm, Jul 17-Jul 21,
  XK-344 6328 **#4487**
■ Mon-Fri 1pm-4:30pm, Jul 31-Aug 4,
  XK-344 6246 **#4486**

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#MSPetsAndVets

Minecraft® Animators

Ages 11-14. Bring your favorite Minecraft characters to life in an animated short film! Learn how studios like Pixar and Disney make movies like *Inside Out* and *Frozen* by using techniques like keyframing, tweening, texturing, and animating rigged 3-D models! Your projects will be available on a Black Rocket website to share with friends and family. You do not need to own a Minecraft account to use the software in this class. You will work in pairs or teams for most of the program. Returning students can create more advanced projects that build on previous years. Mac users can play their project at home, but will not be able to edit the project without a PC. Offered in cooperation with Black Rocket Productions, LLC. 1 week $235 (includes $85 in fees*)

■ Mon-Fri 8:30am-12pm, Aug 7-Aug 11, **XK-389 6186** **#4513**

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*Fees not eligible for waiver   **Neither XE/XKE course tuitions nor their fees are eligible for waiver

Minecraft® Designers

Ages 11-14. 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 3-D 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. To access your project at home, you must own a PC/MAC version of Minecraft. Tablet, phone, and game console versions of Minecraft are not compatible. Parent email address is required to use 3-D modeling software. You will work in pairs or teams for most of the program. Returning students can create more advanced projects that build on previous years. Offered in cooperation with Black Rocket Productions, LLC. 1 week $235 (includes $75 in fees*)

- Mon-Fri 8:30am-12pm, Jun 26-Jun 30, **XK-226 6367   #4290**
- Mon-Fri 1pm-4:30pm, Aug 14-Aug 18, **XK-226 6149   #4412**

Minecraft® Modders

Ages 11-14. Use your favorite game to learn the basics of modding and foundations of programming. Learn scripting and logic statements as you create your first mods! Introductory coding will also be taught through a simulated environment inspired by Minecraft. Your projects will be available on a password protected Black Rocket website to share with friends and family. To access your project at home, you must own a PC/MAC version of Minecraft. Tablet, phone, and game console versions of Minecraft are not compatible. You will work in pairs or teams for most of the program. Returning students can create more advanced projects that build on previous years. Offered in cooperation with Black Rocket Productions, LLC. 1 week $235 (includes $75 in fees*)

- Mon-Fri 1pm-4:30pm, Jul 31-Aug 4, **XK-297 6023   #4456**
- Mon-Fri 8:30am-12pm, Aug 14-Aug 18, **XK-297 6126   #4457**

Money Matters

Ages 11-14. How do you spend your money? Wisely, if you take this course. Explore the power of personal choices and learn to develop winning moves with money. Learn about checking and savings accounts, credit versus debit usage, ATM cards, budgeting, taxes, insurance, credit history, and investing, just to mention a few tools of the trade. Develop real-life skills and responsibilities by setting financial goals and evaluating financial scenarios that build wealth while being a wise consumer. You'll need a basic calculator. 1 week $185 (includes $60 in fees*)

- Mon-Fri 8:30am-12pm, Jun 26-Jun 30, **XK-160 6468   #4281**

Mysteries in History

Ages 11-14. 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. 1 week $185 (includes $60 in fees*)

- Mon-Fri 8:30am-12pm, Jul 10-Jul 14, **XK-269 6877   #4434**

Pastel Art for Middle School

Ages 11-14. Painting with pastels creates blended, brilliant, and bold art projects. You will use color, shape, and line to start and then choose chalk or oil pastel to finish. Layering, blending, using simple shapes to make the designs, and working from light to dark are only some of the techniques you'll practice. 1 week $185 (includes $60 in fees*)

■ Mon,Wed,Thu,Fri 8:30am-12pm, Jul 3-Jul 7
  **$165, (no class Jul 4),
  XKE-215 6308   #4330
■ Mon-Fri 1pm-4:30pm, Jul 31-Aug 4,
  XKE-215 6274   #4558

Physics: Electricity and Magnetism

Ages 12-14. Looking for a great enrichment program in science? This class offers exciting, challenging, and creative hands-on learning focusing on electric and magnetic phenomena. You will observe cool electrostatics demonstrations: Van de Graaff generator and Wimhurst machine, measure electrical quantities, perform basic calculations, build elementary DC circuits , electromagnet, and a simple DC electrical motor. Get a leg up on your peers with this progressive science class. 1 week $189 (includes $65 in fees*)

■ Mon-Fri 1pm-4:30pm, Jul 10-Jul 14, **XK-181 6133   #4398**

Physics: Mastering the Mechanics

Ages 12-14. Are you looking for a challenging physics lab experience? Look no further. Using a college physics lab, students will solve problems using major principles in physics such as measurement, force and motion, work and energy, and impulse and momentum, just to name a few. This is a hands-on-science applications class meant to be an enrichment opportunity for the inquisitive and focused learner. You must have a good attitude and strictly observe the instructor's guidelines. Limited class size. 1 week $165 (includes $65 in fees*)

■ Mon,Wed,Thu,Fri 1pm-4:30pm, Jul 3-Jul 7 **(no class Jul 4),**
  XK-179 6447   #4283

Pirates: Fact and Fiction ⊘NEW!

Ages 11-14. Avast ye Matey! Discover the fascinating history of pirates through the ages as you learn the stories that have shaped our modern view of pirates. Through literature, films, and hands-on activities, participate in adventures that include the truths and legends of piracy. 1 week $185 (includes $60 in fees*)

■ Mon-Fri 8:30am-12pm, Jul 31-Aug 4, **XK-404 6314   #7550**

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♡ ◯ ↱ **#PastelArtForMiddleSchool**

Prep for Algebra I ✓NEW!

Ages 11-14. Do you want to be well prepared for Algebra 1? If so, this class is for you! After taking this course, you will be able to fully grasp the concepts of the number system and exponents, the foundations of geometry, as well as solving linear equations and evaluating expressions, analyzing functions and equations, and interpreting data. This course is for students who will be taking Algebra 1 or Algebra 1 GT during the upcoming school year. Bring a notebook and calculator to class. 1 week $189 (includes $65 in fees*)

■ Mon-Fri 1pm-4:30pm, Jul 17-Jul 21, **XK-416 6932   #7614**
■ Mon-Fri 1pm-4:30pm, Jul 31-Aug 4, **XK-416 6931   #7615**

Psychology of Behavior

Ages 11-14. There's an old adage that says you can't judge others until you know yourself. Study basic human development and some reasons we behave as we do. Learn from a personality test how you operate alone and in groups, your preferred mode of learning, how you make decisions, and generally how you look at life and live it. Explore how knowing these things about yourself can influence your behavior and decisions. 1 week $185 (includes $60 in fees*)

■ Mon-Fri 1pm-4:30pm, Jul 24-Jul 28, **XK-368 6244   #4500**

Read, Write, and Publish the News

Ages 11-14. Stop the presses! This is your chance to write, produce, and publish a newspaper. Practice reporting, interviewing, editing, and layout. Sharpen your Word and Publisher skills. Challenge yourself by becoming a part of a hard-working team. You'll create class, individual, and digital newsletters. 1 week $185 (includes $60 in fees*)

■ Mon-Fri 8:30am-12pm, Jun 26-Jun 30, **XK-239 6230   #4291**

Readers Theater ✓NEW!

Ages 11-14. Have fun while becoming more comfortable speaking in public. Learn how to add emphasis to a speech or to convey the meaning of a script with expressive voice and gestures. Don't worry about forgetting your lines, no memorization is needed for this class. Bring your creativity and enthusiasm as you step out of the wings and into the limelight. 1 week $185 (includes $60 in fees*)

■ Mon-Fri 1pm-4:30pm, Jul 17-Jul 21, **XKE-243 6970   #7803**

Reading and Notetaking Skills

Ages 11-14. Become a more active, engaged reader with the skills developed or reviewed in this class. As you read a variety of sources, learn to organize information in different formats: highlighting, margin notes, outlining, notecards, etc. Taking effective notes improves your ability to recall information and enhances your ability to study for exams. 1 week $185 (includes $60 in fees*)

■ Mon-Fri 8:30am-12pm, Jul 17-Jul 21, **XK-392 6240   #4515**
■ Mon-Fri 1pm-4:30pm, Jul 31-Aug 4, **XK-392 6241   #4516**

Robotics with Mindstorm

Ages 11-14. Do you know what a robot is capable of doing? Get ready to take control! You will build robots, program them to accomplish tasks, respond to external stimuli, and overcome challenges. Using the NXT brick from LEGO®, you will control the robot using NXT programming language and software programming techniques. Experience the challenges of navigation, avoiding and climbing over obstacles, and moving objects. Offered in conjunction with Goldsmith Education. 1 week $225 (includes $70 in fees*)

- Mon-Fri 1pm-4:30pm, Jul 10-Jul 14, **XK-108 6071   #4369**
- Mon-Fri 1pm-4:30pm, Jul 31-Aug 4, **XK-108 6004   #4368**

Science Experiments for Middle Schoolers

Ages 11-14. Take science out of the abstract and into reality. Explore the mysteries of physical science as you experience the thrill of experimentation, scientific inquiry, and hypothesis testing. Learn by doing. This week of discovery is fun, yet teaches fundamental skills that can be used in any classroom. 1 week $189 (includes $65 in fees*)

- Mon-Fri 8:30am-12pm, Jul 17-Jul 21, **XK-303 6268   #4463**

Special Effects Makeup

Ages 11-14. Learn the skills needed to become a special effects makeup artist. Sometimes everyday makeup is not enough; you need special effects to design your own magnificent image. You will learn and practice the art of makeup application using proper placement, coloration and blending to create realistic effects. The final project will be captured in a portfolio-building photo shoot. All materials will be provided. Latex products are used in this class. 1 week $199 (includes $70 in fees*)

- Mon-Fri 8:30am-12pm, Jun 26-Jun 30, **XKE-218 6272   #4331**

Star Wars Stop Animation ⊘NEW!

Ages 11-14. Make your own Star Wars adventure come to life! Bring in your favorite action figures and create a short film with your friends. Whether you want to recreate a scene from *Star Wars* or design a new world of your own, this class brings your dreams to the screen. You will need to bring in action figures or vehicles from home, but all other equipment provided. The films you create will be available on a password protected website to share with friends and family. You will work in pairs or teams for most of the program. Offered in cooperation with Black Rocket Productions, LLC. 3 days $155 (includes $75 in fees*)

- Wed,Thu,Fri 1pm-4:30pm, Jun 21-Jun 23, **XK-408 6363   #7610**

Stock Market Game

Ages 11-14. Run with the "bulls" or be a "bear" in this fast-paced interactive course that introduces you to today's stock market. Cover basic topics such as the Dow Jones, mutual funds, price earnings ratios and much more. Join in a unique opportunity to participate in a mock stock market game where you invest an imaginary $100K into stocks and then track your performance over the week. Hang on to your hats and checkbooks, and get ready for a ride on Wall Street. You must bring a calculator and be able to use multiplication tables. 1 week $185 (includes $60 in fees*)

- Mon-Fri 1pm-4:30pm, Jul 24-Jul 28, **XK-282 6178   #4444**

On Monday, please bring your students to the Hickory Ridge Building, where classroom information will be posted. Most classes are located in the Hickory Ridge Building. Students should be dropped off at the Hickory Ridge Building no earlier than 10 minutes prior to the start of class. To view a campus map, see page 7.

Summer Sewing
Ages 11-14. Have you ever wanted to learn how to make decorative items for your bedroom? This class will give you the skills to make a cupcake pin cushion, decorative pillow and a bedside book holder. This course will introduce you to sewing by hand, adding embellishments, using a sewing machine, following a pattern, and hemming techniques. You will be sewing the first day! 1 week $195 (includes $70 in fees*)
- Mon-Fri 8:30am-12pm, Jul 17-Jul 21, **XKE-167 6452**   **#4540**

Superhero Camp ⊘NEW!
Ages 11-14. Get ready for an action-packed super adventure! Work on your superhero skills including different rescue techniques, helping a superhero fly, and foiling the Riddler's schemes. Design and learn to use your own super fighting tools, get some experience walking a tightrope, and even create your own graphic novel. Some days you may need to come prepared to get wet. 1 week $189 (includes $65 in fees*)
- Mon-Fri 8:30am-12pm, Jul 10-Jul 14, **XKE-236 6009**   **#7628**

Test-Taking and Memory Strategies
Ages 11-14. Different tests require different test-taking strategies. This course will help you to effectively prepare for true/false, multiple choice, fill in the blank, short answer and open-ended questions. Learn pneumonic "tricks" for the material that needs memorization. Develop a system for effective study, so you will have ample time to prepare for upcoming exams. $185 (includes $60 in fees*)
- Mon-Fri 8:30am-12pm, Jul 10-Jul 14, **XK-393 6205**   **#4517**
- Mon-Fri 1pm-4:30pm, Jul 24-Jul 28, **XK-393 6207**   **#4518**
- Mon-Fri 8:30am-12pm, Jul 31-Aug 4, **XK-393 6208**   **#4519**
- Mon-Fri 8:30am-12pm, Aug 7-Aug 11, **XK-393 6211**   **#4520**

Ultimate Drone Games: Speed, Skill & Aerobatics ⊘NEW!
Ages 11-14. Experience the excitement of STEM drone education during this action-packed program. Teams transition from the simulator to the remote control and enjoy a multitude of thrilling challenges on and off the ground! Get ready for a week of friendly competition as you and your team take to the sky and attempt to win the badge of the "Ultimate Drone Games" champion. Experience the thrill of today's latest drone technology including drones equipped with mini nerf cannons and mini grabbers. It's all about the grand finale as teams conquer challenges and earn points for the end-of-week event: Ultimate Drobot Games. Drone safety and the social responsibilities of flying drones are included in this program. Offered in conjunction with Drobots Company. 1 week $239 (includes $75 in fees*)
- Mon-Fri 8:30am-12pm, Jun 26-Jun 30, **XK-421 6938**   **#7640**
- Mon-Fri 1pm-4:30pm, Jul 31-Aug 4, **XK-421 6939**   **#7641**

*Fees not eligible for waiver   **Neither XE/XKE course tuitions nor their fees are eligible for waiver

Virtual Reality: The Future is Now ⊘NEW!

Ages 11-14. 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 a mobile device. Students do not need a mobile device to take the class, but to use the VR headset at home, a camper will need access to an Android or Apple mobile device. You will work in pairs or teams for most of the program. Offered in cooperation with Black Rocket Productions, LLC. 1 week $259 (includes $90 in fees*)

■ Mon-Fri 8:30am-12pm, Jul 24-Jul 28, **XK-428 6933   #7626**

What a Stitch!

Ages 11-14. This needlework class will teach students who love crafts, both hand embroidery and cross stitch skills. This class is perfect for beginners and stitchers with experience. Hand embroidery skills will be used to create a Black-Eyed Susan (official Maryland flower since 1918) design or an outline of the Maryland state map. Cross stitch techniques will be used to make colorful projects such as an owl, elephant, crab, or gnome. You will also learn about different fibers that add texture and dimension to projects and various fonts to personalize gifts. 1 week $169 (includes $70 in fees*)

■ Mon,Wed,Thu,Fri 1pm-4:30pm, Jul 3-Jul 7 **(no class on Jul 4), XKE-217 6198   #4559**

Young Inventors At Work

Ages 11-14. Get a head start as an inventor or business owner. You will be involved in activities that can improve everyday life by applying practical uses of an invention. Learn the development process of being an inventor, from finding an idea and creating a working model to patenting, manufacturing, and researching markets for the invention. If you like to solve problems, brainstorm ideas, and make things work better, take this course! 1 week $189 (includes $65 in fees*)

■ Mon-Fri 1pm-4:30pm, Jul 17-Jul 21,
    XK-262 6340   #4432

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#YoungInventorsAtWork

3-D Animation

Ages 10-16. Learn how to develop 2-D and 3-D animation for use in presentations and multimedia applications. Generate 3-D models using vertices, edges, and polygons that are manipulated to shape your objects. Imagine the process as working with hi-tech Play-Doh. Use animation software, create storyboards to produce animations, and construct interfaces between the various graphic and animation programs. 2 weeks $280 (includes $60 in fees*)

■ Mon-Fri 8:30am-12pm, Jun 26-Jul 7 **(no class Jul 4), XK-256 6950   #4294**

Meet Our Instructor   **David Hinton**

David Hinton is HCC's Director of Technology for the Division of Science, Technology, and Engineering. He has worked at Howard Community College since 1990. He became the first full-time faculty for HCC's computer aided drafting and design program in 1992. He has worked for a number of engineering firms and architects as well as a management position for a large defense contractor in northern Virginia. He has also served as a consultant for a number of small to mid-size design firms, where he taught architects and engineers Cadd (Computer-Aided Drafting and Design) production techniques and a host of other software packages including Building Information Modeling (BIM). He holds a bachelor's degree in business information systems and associate degrees in manual drafting and computer-aided design.

3-D Animation

A Game a Day: Learn Programming in C++ ⦿NEW!

Ages 13-16. C++ is a programming language that is widely used in industry. It allows programming in both procedural and object-oriented styles. In this class, you will learn such basics of programming as variables, constant, decision making, repetition, and functions using the C++ language. You will create games such as Guess my Number, Hangman, Find Waldo and others. 1 week $189 (includes $65 in fees*)

■ Mon-Fri 8:30am-12pm, Jun 26-Jun 30, **XK-407 6357   #7604**
■ Mon-Fri 8:30am-12pm, Jul 24-Jul 28, **XK-407 6363   #7605**

Advanced Manga for Students ⊘NEW!

Ages 11-16. Have you taken "Manga for Students" in the past and want to take your skills to the next level? If so, this class is for you! Learn advanced manga drawing techniques for clothing, action poses, coloring and more! 1 week $189 (includes $65 in fees*)

■ Mon-Fri 8:30am-12pm, Jul 31-Aug 4, **XK-432 6007** **#7625**

Alternative Energy Engineers

Ages 12-16. Our growing world is using fossil fuels at an alarming pace, but engineers are hard at work to create solar, wind, water, heat, and even human-powered energy. In this class, you will design and build windmills, solar-powered cars, water generators, and even a human-powered lamp. Test your engineering skills and be part of the solution, not the problem. 1 week $195 (includes $70 in fees*)

■ Mon-Fri 1pm-4:30pm, Aug 7-Aug 11, **XK-211 6365** **#4288**

Amusement Park Science

Ages 12-15. Have you ever gone to a theme park and wondered, "How did they do that?" This course takes you behind your favorite attractions. As an armchair theme park fan, work with a class of other enthusiasts to design your own park and its attractions. Take a creative imagination, some familiarity with motion, physics, force, friction, and create a K'NEX roller coaster. Experience the thrills and spills of kinetic energy though your feet never leave the ground. 1 week $189 (includes $65 in fees*)

■ Mon-Fri 1pm-4:30pm, Jul 24-Jul 28,
   XK-140 6865 **#4384**

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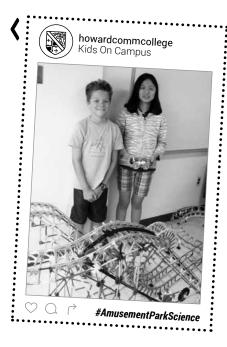Kids On Campus

#AmusementParkScience

Art Fun-Damentals

Ages 10-16. This course covers the basic fundamentals of creating two-dimensional art. You will be challenged in the art of drawing, page composition, and imagination. You will view still-life displays and photos along with using pencil, pastel, crayon, watercolor, and acrylic to create original masterpieces of art. 1 week $189 (includes $65 in fees*)

■ Mon-Fri 1pm-4:30pm, Jul 10-Jul 14,
   XKE-212 6277 **#4555**
■ Mon-Fri 8:30am-12pm, Jul 24-Jul 28,
   XKE-212 6284 **#4556**

Circuit Fundamentals

Ages 11-16. Electronics are an integral part of our daily life, but do you know what is inside of them? In this beginning class on electricity and electric circuits, you will explore just that. In this solder-free class, you will explore a multitude of different circuits using lights, sounds, sensors, radio waves and Boolean logic. You will learn to use volt meters, read and write electrical diagrams, as well as build a working AM/FM radio that you can take home. Offered in conjunction with Goldsmith Education. 1 week $229 (includes $80 in fees*)

■ Mon-Fri 8:30am-12pm, Aug 7-Aug 11, **XK-441 6122 #7754**

Classical Drawing for Teens

Ages 12-15. Polish your drawing skills and artistic talents. With still-life as the subject matter and graphite pencils as the medium, serious artists will develop technical skills to center a composition, draw objects in proportion, and utilize the elements of shading. Bring home a masterpiece worthy of framing. 1 week $205 (includes $75 in fees*)

■ Mon-Fri 1pm-4:30pm, Jun 26-Jun 30,
  XKE-227 6969   #4334

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#ClassicalDrawingForTeens

Computer Keyboarding for Middle School

Ages 11-16. Keyboarding is the foundation for lifelong student success and the development of entry-level skills for all careers. In this class, students will learn the touch operation of alphanumeric/keyboard characters. Emphasis is placed on proper finger placement, mastering keying techniques, practicing speed and accuracy, and learning proper care of equipment and associated hardware and software. Lots of practice and review new skills. Sign up now! 2 weeks $279 (includes $55 in fees*)

■ Mon-Fri 8:30am-12pm, Jun 26-Jul 7 **(no class Jul 4), XK-365 6953   #4497**
■ Mon-Fri 1pm-4:30pm, Jun 26-Jul 7 **(no class Jul 4), XK-365 6954   #4498**

Creating Games with GameMaker™

Ages 12-16. Get introduced to the game design process and the software available that can be used to create your own computer games. Study examples of various game genres including platform, adventure, and maze games, and look at a range of games created with the GameMaker software. Design and develop your own computer games. Merge a variety of media to create a complete game that can be played by friends and posted on the internet. Although you will play a sampling of GameMaker games, you should come to this class prepared to focus on game design and development. 1 week $185 (includes $60 in fees*)

■ Mon-Fri 1pm-4:30pm, Jun 26-Jun 30, **XKE-108 6955   #4318**
■ Mon-Fri 1pm-4:30pm, Jul 17-Jul 21, **XKE-108 6295   #4531**

Crime Scene Investigators

Ages 10-12. Learn to apply a variety of scientific techniques to examine the surroundings and solve a mystery. Study a crime scene looking for pertinent clues, analyze fingerprints, identify mysterious substances, and use chromatography to narrow your search for the "perp." Enjoy hearing about the experiences of a pro. Guest speakers will talk about the use of forensic science to solve local historical mysteries and discuss what is happening in the field today. This class goes beyond "Who Done It?" to "How Was It Done?" 1 week $185 (includes $60 in fees*)

■ Mon, Wed, Thu, Fri 1pm-4:30pm, Jul 3-Jul 7 **(no class Jul 4),** ****$165, XK-331 6239   #4304**

■ Mon-Fri 1pm-4:30pm, Jul 10-Jul 14, **XK-331 6999   #8170**

■ Mon-Fri 8:30am-12pm, Jul 31-Aug 4, **XK-331 6214   #4475**

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#CrimeSceneInvestigators

Déjà vu: Does History Repeat Itself?

Ages 12-15. Edmund Burke said "Those who don't know history are doomed to repeat it." Would you like to predict the future? Want to be better prepared for the world of tomorrow? In this course you will examine pivotal moments in history and learn how events from the past are related to events today. Analyze how the Industrial Revolution changed society and relate it to the way the Internet is changing life now. Explore the parallels between fall of Rome and Greece to the shifting world today and much more! You don't need a crystal ball to predict the future, just take this class. 1 week $180 (includes $70 in fees)

■ Mon-Fri 8:30am-12pm, Jul 10-Jul 14, **XK-394-6245   #4313**

Dissecting Computer Technology

Ages 10-16. Sure, you know how to use your computer, but do you know how it works? What is an I/O port? What is a motherboard? How does the memory work with the hard drive? You'll take a working computer apart, examine the pieces, and put it back together! Will it still work? That's up to you! Learn the history of data storage devices from magnetic disks through solid state drives. Explore the evolution of personal computing and what tomorrow may hold for technology. In conjunction with Goldsmith Education. 1 week $225 (includes $75 in fees*)

■ Mon-Fri 1pm-4:30pm, Jul 17-Jul 21, ****$191, XK-107 6238   #4367**

■ Mon-Fri 1pm-4:30pm, Jul 24-Jul 28, **XK-107 6187   #4366**

Electronics Design and Innovation Lab

Ages 11-16. Design and build personal electronic inventions focusing on light, movement and sound. No kits in this workshop—explore and innovate based on design challenges led by expert coaches. Newcomers and experienced participants take home projects for use, play, and further exploration. Offered in conjunction with FutureMakers. 1 week $245 (includes $85 in fees*)

■ Mon-Fri 8:30am-12pm, Jul 24-Jul 28, **XK-435 6968   #7662**

Engineering Design

Ages 12-15. Learn how to design engineering solutions to real-world problems through documentation, experimentation, and construction. Try your hand at the design process using a 12-step procedure to complete a solution, starting with sketching isometric, oblique, and multi-view sketches. Create a puzzle cube, design a mini golf course, and build a working multi-simple Rube Goldberg machine. 1 week $180 (includes $60 in fees*)

- Mon-Fri 1pm-4:30pm, Jun 26-Jun 30,
  XK-137 6993   #8168
- Mon-Fri 8:30am-12pm, Aug 7-Aug 11,
  XK-137 6103   #4280

Extended Algebra I Review

Ages 13+. If you are a rising Algebra II, Geometry, or second-year Algebra I student, this is your chance to cover fundamental concepts in greater depth to get ready for more difficult applications. Topics include operations with positive and negative numbers, families of functions from linear to quadratic to rational and exponential, equations, polynomials, and systems of equations, inequalities, graphing, word problems, and radicals. Bring a notebook and graphing calculator to class. You must have completed an Algebra I course. 2 weeks $309 (includes $60 in fees*)

- Mon-Fri 8:30am-12pm, Jul 10-Jul 21,
  XK-371 6327   #4505
- Mon-Fri 8:30am-12pm, Jul 31-Aug 11,
  XK-371 6120   #4504

Extreme Special Effects Makeup

Ages 11-16. Go beyond the basics of Special Effects Makeup to learn more advanced techniques. You will begin by making a plaster cast of your face and learning to sculpt and mold your own prosthetics from the face cast. You will have the freedom to create any character you choose. This could include a movie or sci-fi character of your choice. Latex will be used in this course. You will then paint and apply the prosthetics for a monster-sized fashion show! 1 week $205 (includes $80 in fees*)

- Mon-Fri 1pm-4:30pm, Jul 17-Jul 21,
  XKE-229 6053   #7479

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#EngineeringDesign

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#ExtremeSpecialEffectsMakeup

#ExtremeSpecialEffectsMakeup

On Monday, please bring your students to the Hickory Ridge Building, where classroom information will be posted. Most classes are located in the Hickory Ridge Building. Students should be dropped off at the Hickory Ridge Building no earlier than 10 minutes prior to the start of class. To view a campus map, see page 7.

Film Appreciation

Ages 13-17. If you like movies, then this is the class for you. Spend time watching film clips, understanding genres and meaning in film, discovering the art of storytelling, and being your own critic. Compile a list of the 25 best films for teens. All movies will be rated PG or PG-13. $185 (includes $60 in fees*)

■ Wed,Thu,Fri 1pm-4:30pm, Jun 21-Jun 23 **(3 day class), **$129, XKE-213 6087**   #7480
■ Mon-Fri 8:30am-12pm, Jul 17-Jul 21, **XKE-213 6285**   #4557

Gizmos and Gadgets

Ages 12-16. Love to build gizmos and gadgets? Explore the world of mechanical and electrical engineering, physics, and chemistry by building radios, steam engines, cookers, and more by using the simplest of materials such as pennies, tubing, soda cans and other easily found objects. Find the inner scientist and engineer in you! 1 week $189 (includes $65 in fees*)

■ Mon-Fri 1pm-4:30pm, Jul 31-Aug 4, **XK-212 6021**   #4410

Google SketchUp Explored

Ages 12-15. SketchUp makes 3-D modeling fun. Model a city. Design a room. Invent a new machine. There's no limit to what you can create with SketchUp. Working with two-dimensional and three-dimensional features, you can calculate precise measurements, paint your model with your choice of colors and textures, and even dissect your model to see its inner mechanisms. Whether you are interested in architectural design, digital entertainment, construction, or engineering, SketchUp is for you. 1 week $189 (includes $65 in fees*)

■ Mon-Fri 8:30am-12pm, Jul 24-Jul 28, **XK-139 6247**   #4383

Graphic Design for Teens

Ages 12-16. Explore the theories, practices, and techniques of two-dimensional art, with an emphasis on digital art and imaging. Working with Adobe Photoshop, you will learn the elements and design principles of two-dimensional design which will include hierarchy, composition, rule of 3, and typography. You will develop the analytic skills, terminologies, organization and production techniques associated with creating an electronic image in a college graphic arts lab. 1 week $189 (includes $65 in fees*)

■ Mon,Wed,Thu,Fri 8:30am-12pm, Jul 3-Jul 7 **(no class Jul 4), **$165, XK-395 6413**   #4314
■ Mon-Fri 8:30am-12pm, Jul 24-Jul 28, **XK-395 6203**   #4521

HTML I for Students

Ages 11-16. Hypertext Markup Language (HTML) is the language of the internet. Learn how to use inline images, image maps, audio, video hyperlinks, and other graphics to produce a personal webpage that is attractive, readable, and easy to navigate. Internet beginners are welcome. 1 week $189 (includes $60 in fees*)

■ Mon-Fri 8:30am-12pm, Jul 10-Jul 14, **XK-231 6298**   #4413
■ Mon-Fri 8:30am-12pm, Jul 17-Jul 21, **XK-231 6299**   #4414
■ Mon-Fri 8:30am-12pm, Jul 31-Aug 4, **XK-231 6301**   #4415

*Fees not eligible for waiver   **Neither XE/XKE course tuitions nor their fees are eligible for waiver

HTML II and CSS for Students

Ages 11-16. If you have completed HTML or have a good grasp of the basics for Hypertext Markup Language, this course is for you. Create more complex documents using HTML. Expand basic techniques, add tables and charts, learn how to do your own troubleshooting, maintain webpages, and much more. At the end of the course you will create your own website. 1 week $189 (includes $60 in fees*)

■ Mon-Fri 1pm-4:30pm, Jul 24-Jul 28, **XK-233 6305**   **#4418**

Meet Our Instructor **Rose Volynskiy**

Rose Volynskiy is Professor of Computer Science, Chair of Cyber Technology Department at HCC, and advocate for students in technology and programming, as well as a mentor and a driving force in the development of course materials and subject matter for web development, programming, networking and all things tech related. Rose has spent over 30 years teaching programming and web development to a diverse population. Through her years of teaching, she has touted the role of open source technologies and the importance of leveraging the right tools and technologies for higher education. Under her watch, Howard Community College, has developed an extensive list of web and mobile development courses ranging from basic to advanced topics.

HTML I and II

Industrial Arts: Model Making and Casting Lab ⊘NEW!

Ages 10-16. Explore the origins of 3D printing. Make professional grade models and molds of your own design to create things you can use, play with, eat or even sell! Explore modeling and prototyping techniques and flexible mold making. Pour plaster, form plastic, experiment with candy mold making, and cast concrete! All projects go home, so you can make more! Offered in conjunction with FutureMakers. $245 (includes $85 in fees*)

■ Mon-Fri 1pm-4:30pm, Jun 26-Jun 30, **XK-419 6943**   **#7649**
■ Mon-Fri 8:30am-12pm, Jul 31-Aug 4, **XK-419 6973**   **#7698**

Inside Interior Design

Ages 10-16. If you could redecorate your room, where would you begin? Learn how to work with floor plans, drawing to scale, color matches and trends, moving furniture to suit the space, and historical looks. Create an environment that reflects your personality, interest, and possible career track. 1 week $185 (includes $60 in fees*)

■ Mon-Fri 8:30am-12pm, Jun 26-Jun 30, **XK-100 6251**   **#4268**

Interior Design: Set the Stage for a Fabulous Career ⊘NEW!

Ages 11-16. Explore a career in interior design. Learn how to develop floor plans, designs and color schemes for residential and commercial spaces. Practice interview techniques to gain insight into a client's needs. Organize design ideas with the use of floor plans and story boards. Learn how to present your design to your client effectively. Let your creativity flow! 1 week $189 (includes $65 in fees*)

■ Mon-Fri 8:30am-12pm, Aug 7-Aug 11, **XK-412 0003**   **#7616**

Introduction to Crochet

Ages 12-15. Become familiar with basic crochet techniques including the chain stitch, single crochet, double crochet, slip stitch, crocheting in the round, increasing, decreasing, finishing ends, and changing colors. Learn how to read and follow instructions in a crochet pattern. Class projects include making an oreo cookie, golden snitch, fingerless gloves, a bookmark and a charity project for Warm Up America! Students will also be introduced to Amigurumi, the Japanese art of crocheting small stuffed animals and toys. 1 week $189 (includes $65 in fees*)

■ Mon-Fri 8:30am-12pm, Jul 10-Jul 14,
   XKE-194 6453   #4547

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#IntroductionToCrochet

Introduction to Visual Basic

Ages 11-16. Empower yourself with the technological skills needed to advance in the fast-paced computer world. Learn project design, the Visual Basic toolbox, and many elements of the BASIC language. Enjoy detailed computer projects that you can build and run, including a number-guessing game, a card game, an allowance calculator, a drawing program, and a simple video game. No prior programming experience is necessary. You should be comfortable working in the Windows environment, know how to find files, move and restore windows, and identify the use and purpose of file extensions. 1 week $185 (includes $60 in fees*)

■ Mon-Fri 8:30am-12pm, Aug 7-Aug 11, **XK-232 6306   #4416**
■ Mon-Fri 1pm-4:30pm, Aug 7-Aug 11, **XK-232 6307   #4417**

Java Programming

Ages 13-16. Java is an object-oriented computer programming language that has been among the most popular languages for a variety of online applications and mobile devices for decades. The course introduces the Java programming language using an objects-first approach. Using programming design tools such as variables, methods, control structures, and classes, you will learn to create simple applications such as a financial calculator and a card game simulator. Prior programming experience is recommended, but not required. 1 week $189 (includes $65 in fees*)

■ Mon,Wed,Thu,Fri 1pm-4:30pm, Jul 3-Jul 7
   **(no class Jul 4), **$165,
   XK-396 6202   #4315**
■ Mon-Fri 1pm-4:30pm, Jul 17-Jul 21,
   XK-396 6253   #4522

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#JavaProgramming

Junior Physics Olympics Teams

Ages 12-15. This class offers lots of hands-on short term projects which allow you to test your knowledge of math and physics, and gives you a chance to compete with each other in timed creative events. Each event is preceded by an overview of the physics related to the event and working in groups, you have about 15-20 minutes to complete a project. In some cases, you will build a device or structure with a limited selection of supplies. In other situations, practical problems will be solved requiring the input of each member of the team. Put your best physics foot forward in this fun, creative, challenging, and enriching class. 1 week $189 (includes $65 in fees*)

■ Mon-Fri 1pm-4:30pm, Jul 31-Aug 4, **XK-382 6249   #4511**

Living in the Cyber World

Ages 12-15. Have you ever wondered how relevant cybersecurity is in today's market? What does it take to work in the field of cybersecurity? Is your personal information on the internet protected, and how do you keep your information safe? Learn how various computer programs work to protect your computer. Identify real-world examples of security breaches, and discover why cyber-criminals are driven to infect computer systems. Learn how to get rid of viruses and how to create secure passwords. 1 week $185 (includes $60 in fees*)

■ Mon-Fri 1pm-4:30pm, Jul 24-Jul 28, **XK-334 6005   #4480**

Mind, Body, and Spirit

Ages 11-16. Though you may not want to think about it, a new school year begins soon! Prepare yourself mentally and physically for the upcoming school year. Learn relaxation techniques such as yoga and meditation. Practice stress management strategies. Acquire fitness and nutrition tips for a healthy mind and body. Join us and lay the foundation for success this fall! 1 week $195 (includes $70 in fees*)

■ Mon-Fri 1pm-4:30pm, Aug 7-Aug 11, **XK-399 6258   #4524**

Mobile Phone Photography ⊘NEW!

Ages 11-16. Learn how to get better images with your phone camera! This course focuses on working with your phone's more limited camera settings to create beautiful and fun images! Lessons will include composition, lighting, use of angles, and editing the images using the phone. We will practice using the flash and how to control the exposure and focus for each image. We will discuss and demonstrate using other photo apps to apply creative filters and create galleries of your favorite images. Must bring touch screen cell phone camera or iPod touch/tablet that has a camera to participate. 1 week $129 (includes $60 in fees*)

■ Wed,Thu,Fri 8:30am-12pm, Jun 21-Jun 23, **XKE-237 6378   #7642**

Painting Like Van Gogh and Monet

Ages 10-16. Through your artist's eye, examine Vincent van Gogh's Holland and see his colorful sunflower and landscape paintings. Study Claude Monet's property in Giverny, France and delight in his atmospheric water lily series. Learn how to paint like these masters by using color theory, mixing colors, composition, and basic painting techniques. Create your own masterpieces to take home and enjoy. 1 week $195 (includes $65 in fees*)

■ Mon-Fri 1pm-4:30pm, Jun 26-Jun 30, **XKE-121 6254   #4320**

On Monday, please bring your students to the Hickory Ridge Building, where classroom information will be posted. Most classes are located in the Hickory Ridge Building. Students should be dropped off at the Hickory Ridge Building no earlier than 10 minutes prior to the start of class. To view a campus map, see page 7.

Photography Academy

Ages 13-16. Are you a budding photographer? Do you have an SLR (single lens reflex) digital camera you would like to learn to use? Capture magical images of the world around you by practicing lighting, exposure, composition, and creative poses. Manual exposure techniques will enhance your composition and automatic modes will be used for special situations. Learn the one rule that will improve all your photos right away. Bring your SLR camera and manual to class. No point and shoot or phone cameras can be used in this class. 1 week $195 (includes $65 in fees*)

- Mon-Fri 8:30am-12pm, Jun 26-Jun 30, **XKE-173 6566   #4325**
- Mon-Fri 8:30am-12pm, Aug 7-Aug 11, **XKE-173 6043   #4541**

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#PhotographyAcademy

Prep for High School Geometry ⬤NEW!

Ages 12-16. Without geometry, life is "pointless." This vital class will give you an idea of the various topics that will be taught in a high school geometry course. Get ready to review the foundations of geometry and expand your geometric reasoning. You will also have a better idea of parallel and perpendicular lines, triangle congruence and similarity, properties of various polygons and shapes, area, perimeter, circumference, and volume. Prerequisite: Algebra I. 1 week $189 (includes $65 in fees*)

- Mon-Fri 1pm-4:30pm, Jul 10-Jul 14, **XK-366 6189   #4499**

Problem-Solving Methods in Physics and Physical Science ⬤NEW!

Ages 13+. Physics involves a great deal of problem solving. Whether you are doing cutting-edge research or reading a book on a well-known subject, you are going to need to solve some problems. The ability to solve problems requires resourcefulness, flexibility, and efficiency in dealing with new obstacles. This course is designed to give you experience with problem solving in physics using a variety of techniques and examples of "real world" problems related to physics topics. Prerequisite: Algebra 1. 3 days $129 (includes $60 in fees*)

- Wed,Thu,Fri 1pm-4:30pm, Jun 21-Jun 23, **XK-433 6948   #7654**

Scooby Doo & You: Cartoons and Society

Ages 10-16. *The Jetsons, The Flintstones, Bugs Bunny, Rugrats, Ninja Turtles,* and *He-Man.* What do they all have in common? They all reflect the period in which they were created and are all cartoons. Consider how cartoons can be used to examine society through history. Look at classics like the *Pink Panther, Rocky and Bullwinkle*, and newer cartoons including *Phineas and Ferb, Animaniacs,* and many more. Explore history in a colorful way. 1 week $179 (includes $55 in fees*)

- Mon-Fri 1pm-4:30pm, Jun 26-Jun 30, **XK-375 6951   #4312**

Sewing for the Community

Ages 11-15. Do you enjoy sewing? Do you like to make projects for others? If so, then you are ready for Sewing for the Community. Make a decorative pillow case for yourself and one for another child receiving medical treatment. Sew a walker caddy with a large pocket that will be donated to a local nursing home or senior center. Make a smile bag (handy drawstring bag) for a child recovering from surgery. Some previous hand and machine sewing is recommended. 1 week $195 (includes $70 in fees*)

■ Mon-Fri 8:30am-12pm, Jul 24-Jul 28, **XK-238 6028   #4421**

Why Do Kids Like KOC?

Make a Difference

"I really liked learning how to sew because I've never really done it before, and I like how we're doing this for a good cause." – Vania, Sewing for the Community. See what else Vania had to share about Sewing for the Community at youtube.com/hccmd.

You Tube

SimCity™: Urban Planner

Ages 10-16. SimCity is a city management and planning game that simulates all of the problems, infrastructure, needs, and demands of the "people" who live in your SimCity. You are the mayor of a new city and, starting with a small amount of money and piece of land, you control everything from healthcare to roads and buildings. If you attract employers and zone residential areas, people will move to your city. Once your city is up and running, you can drop a disaster such as a fire or a twister anywhere in your city. There is no winning or losing in this game, only fun! You just keep building, improving your city and solving problems. Requirements include an active imagination and attention to detail. 1 week $179 (includes $60 in fees*)

■ Mon-Fri 8:30am-12pm, Aug 7-Aug 11, **XKE-107 6311   #4530**

Spa Camp for Teens

Ages 12-15. Pamper, de-stress and learn about the fine art of relaxation and meditation. Food, fashion, and fitness are discussed so pre-teens and teens learn to care for their bodies inside and out. Create scented masks, facials, foot soaks and exfoliates. Practice hair, nails and skin care using natural techniques which include nutrition, exercise, massage, makeup that's age appropriate, manicures, and more. 1 week $195 (includes $70 in fees*)

■ Mon-Fri 8:30am-12pm, Jul 10-Jul 14, **XKE-207 6086   #4554**
■ Mon-Fri 8:30am-12pm, Jul 17-Jul 21, **XKE-207 6085   #4553**

Still-Life Painting

Ages 12-16. Express yourself artistically and individually with a realistic still life painting you will create. You will center an arranged composition and complete a realistic line drawing with an earth tone. You will then be introduced to color theory and how it applies to shading with color. There are four elements of shading and you will learn how to apply them. 1 week $199 (includes $70 in fees*)

■ Mon-Fri 1pm-4:30pm, Jul 10-Jul 14, **XKE-206 6001   #4552**

Superhero Comic Art ⬭NEW!

Ages 10-16. Have you ever wanted to learn how to draw cool, dynamic comics? In this class, you will develop you own story and draw your own legendary superheroes, heroines, vicious villains and the fantastic worlds where their stories take place. Discover the techniques used by professionals to visually tell your stories in the most compelling, dynamic, and immersive ways possible. 1 week $189 (includes $65 in fees*)

■ Mon-Fri 8:30am-12pm, Jul 17-Jul 21, **XKE-235 6024**   **#7630**

Superheroes: Beyond the Movies ⬭NEW!

Ages 10-16. Superman, Batman, Iron Man, and Wolverine...you know the names, now go beyond the movies to learn their backgrounds and origins. We will look at superheroes that are or will be featured in movies. Learn how and why they were created and dive deeper into superhero mythologies. 1 week $185 (includes $60 in fees*)

■ Mon-Fri 1pm-4:30pm, Jul 31-Aug 4, **XK-431 6016**   **#7636**

Wonder of Programming with Alice

Ages 10-16. Alice is an innovative 3-D programming environment developed by the late Dr. Randy Pausch, author of *The Last Lecture* from Carnegie Mellon University. This program uses an object-oriented software design process. It allows you to learn fundamental programming concepts without using traditional programming codes and makes it easy to create an animation for telling a story, playing an interactive game, or making a video to share on the web. Alice allows you to see immediately how programs run by manipulating objects in their virtual world using techniques of drag and drop of graphic tiles. 1 week $185 (includes $60 in fees*)

■ Mon-Fri 8:30am-12pm, Jul 31-Aug 4, **XK-111 6131**   **#4371**
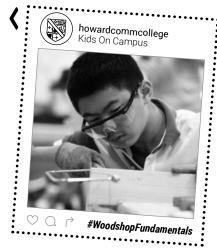
Woodshop: Fundamentals of Furniture

Ages 10-16. Design and build a well-crafted table from plans you design. Safely and accurately measure, cut, join, and finish softwoods using hand tools. No prior experience required. Returning students build advanced independent projects! In conjunction with FutureMakers. $249 (includes $95 in fees*)

■ Mon-Fri 8:30am-12pm, Jul 17-Jul 21,
  XK-169 6114   **#4393**
■ Mon-Fri 1pm-4:30pm, Aug 14-Aug 18,
  XK-169 6128   **#4394**

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#WoodshopFundamentals

Zentangle Inspired Art ⬭NEW!

Ages 11-16. Unleash your creativity and create beautiful personalized art by combining repetitive patterns, taught one stroke at a time. This fun and relaxing art form is ideal for beginners and artists alike. Be inspired to create abstract and Zentangle inspired art. 3 days $135 (includes $65 in fees*)

■ Wed,Thu,Fri 1pm-4:30pm, Jun 21-Jun 23, **XKE-232 6945**   **#7651**

▶ AGES 14+
High School Students

Calculus Prep ⊘ NEW!

Ages 14+. Highly motivated students are invited to join a two-week adventure of precalculus review and a foray into the concepts covered in most college-level calculus courses. The culminating activity for the course will be working together on an escape room which requires application of mathematical reasoning to solve puzzles. You are required to bring an internet-enabled device (tablet or laptop) in order to access course materials. Graphing calculator is optional. Prerequisites: You must have taken a course with precalculus and trigonometry. 2 weeks $305 (includes $65 in fees*)

■ Mon-Fri 1pm-4:30pm, Jul 10-Jul 21, **XK-410 6003   #7624**

College Prep and Advanced Writing Skills

Ages 14+. Learn how to write at college level! Compose a variety of essays as well as a high school level research paper. Write papers based on self-selected topics. In addition, you will learn how to evaluate reliable research sources, organize information, control language, and critique your writing. 2 weeks $309 (includes $65 in fees*)

■ Mon-Fri 8:30am-12pm, Jul 31-Aug 11, **XK-254 6115   #4428**

Creative Writing for High School

Ages 14+. Explore the world of your imagination and create free verse, blank verse, lyric poetry, character sketches, personal narratives, and dramatic monologues. Learn techniques of journal writing. You will publish a literary magazine using a PC. 2 weeks $309 (includes $65 in fees*)

■ Mon-Fri 1pm-4:30pm, Jul 10-Jul 21, **XK-257 6326   #4429**

Extended Algebra II Review

Ages 14+. Have you taken Algebra II and need to sharpen your skills in preparation for taking an advanced math course during the upcoming school year? If so, the perfect class for you! We will review how to solve and graph a variety of equations and inequalities, which includes linear and quadratic. Other topics include system of equations, quadratic functions, polynomial functions, complex numbers, radical functions, rational expressions, exponential functions, and logarithmic functions. Bring a notebook and a graphing calculator. 2 weeks $309 (includes $65 in fees*)

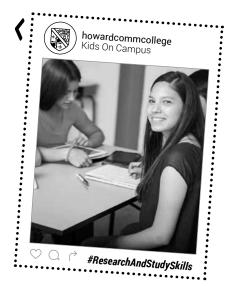■ Mon-Fri 1pm-4:30pm, Jul 24-Aug 4, **XK-337 6156   #4483**

Financial Literacy for Teens

Ages 14+. Create your own personal identity, learn to live on your own for a week with $100, talk to a banker about checks, banking, and credit cards. Learn how to make, invest, and save your hard-earned money. Learn about the stock market, saving, and checking accounts as vehicles to create wealth. Play games to test your skills. Bring a calculator and be ready to have fun! $179 (includes $60 in fees*)

■ Mon-Fri 8:30am-12pm, Jul 24-Jul 28, **XK-437 6972   #7694**

Research and Study Skills

Ages 14+. Learn organizational research and study skills to graduate from high school and go on to college-level work. Improve your time management, memory retention, notetaking, and test taking skills. Review procedures for selecting a topic, developing a thesis statement, and creating an outline. Learn all the necessary steps that lead to writing a great term paper. 1 week $195 (includes $60 in fees*)

■ Mon-Fri 1pm-4:30pm, Jul 17-Jul 21, **XK-438 6337   #7778**

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#ResearchAndStudySkills

Trouble-Free Vocabulary

Ages 14+. The English language has lots of words, but do you know which words you need to know most? Build your word power by challenging yourself with Brain Ticklers, using a thesaurus and grouping words by their derivation. Add over 100 useful words to your vocabulary by practicing skills and strategies in a relatively painless way. Don't wait for the SAT test to roll around to improve your word familiarity and usage. 1 week $185 (includes $60 in fees*)

■ Mon-Fri 8:30am-12pm, Jul 17-Jul 21, **XK-105 6225   #4365**

Writing Dynamic College Essays

Ages 14+. Have you narrowed down your college choices and received applications? A good essay can enhance your chances of getting into the college of your choice. By accessing online college applications, you will be able to practice suggested essay topics. Have rough drafts analyzed, proofread, and edited as many times as needed. Get a jump-start and feel confident that your essay represents you at your best. $195 (includes $60 in fees*)

■ Mon-Fri 8:30am-12pm, Jul 10-Jul 14, **XK-278 6291   #4437**
■ Mon-Fri 1pm-4:30pm, Aug 7-Aug 11, **XK-278 6338   #4438**

▶ AGES 14 +
Test Preparation

Preparation for the ACT

Ages 15+. If you are planning to take the ACT test this academic year, this course will prepare you for both the language arts and the quantitative math and science sections. Topics will include review of language, reading comprehension, puctuation, and grammar in the language arts section. Topics in science include Earth and physical science, chemistry, and biology. Basic math through trigonometry will be covered. Practice tests will be taken and drills will be assigned, as well as discussion of test taking strategies. Students should have completed Algebra II. Textbook is provided. You must bring a calculator. Limited enrollment. $329 (includes $80 in fees*)

■ Mon-Fri 8:30am-12pm, Aug 7-Aug 18, **XK-353 6963**   **#4492**

Prep for the ACT Test: Quantitative Math and Science

Ages 15+. This course will concentrate on preparing students for success on the math and science tests of the ACT. Topics will include a review of content presented in Earth science, physical science, chemistry, and biology through analyzing data representations and relationships; developing and interpreting research summaries based on experiment reports; and analyzing conflicting viewpoints. Math preparation will consist of reviewing and practicing various math concepts contained in basic math, pre-algebra, elementary and intermediate algebra, coordinate and plane geometry, and trigonometry. Practice tests and homework will be assigned. Students should have completed Algebra II. Textbook is provided. You must bring a calculator. $205 (includes $80 in fees*)

■ Mon-Fri 8:30am-12pm, Aug 7-Aug 11, **XK-502 6965**   **#4528**

Preparation for the ACT Test: Language Arts

Ages 15+. This course will concentrate on preparing students for success on the English, reading, and writing tests of the ACT. Topics will include a review of punctuation and grammar, language, and reading comprehension. Emphasis will be on determining main idea, drawing inferences, locating and interpreting significant details, analyzing various literary relationships, determining meaning from context clues, and understanding the author's role in writing text. In addition, students will learn about the components of effective writing and developing arguments. Opportunities to practice writing individual essays will be given. Homework will be assigned and practice tests given. Textbook is provided. $205 (includes $80 in fees*)

■ Mon-Fri 8:30am-12pm, Aug 14-Aug 18, **XK-501 6964**   **#4527**

Practical Preparation for PSAT/NMSQT

Ages 14+. Review basic math through geometry including quantitative comparison and calculation practice. Verbal review covers sentence completion, critical reading, and writing skills that identify sentence errors. Take both math and verbal in a one-week time frame. This course is recommended for students who have taken algebra and geometry. You must bring a calculator for the math section and a comprehensive dictionary for the verbal section. Textbook is provided. 1 week/full day $315 (includes $70 in fees*)

- Mon-Fri 8:30am-4:30pm, Jul 24-Jul 28, **XK-318 6331** **#4473**
- Mon-Fri 8:30am-4:30pm, Aug 7-Aug 11, **XK-318 6721** **#4474**

Preparation for the SAT

Ages 15+. If you are planning to take the SAT, this updated course will prepare you for both the verbal and math sections. Verbal preparation will ask you to interpret the meanings of relevant words and phrases in context, utilize close reading to increase comprehension, and identify central ideas and themes of a text. The optional essay section will also be covered. Math preparation includes mastery of linear expressions, creating and solving equations, using ratios, percentages and units, problem solving, and data analysis. Students should have completed Algebra II. Test taking tips will be covered. The class simulates a test-taking environment with practice tests and exercises. Textbook is provided. You must bring a calculator. $329 (includes $80 in fees*)

- Mon-Fri 9am-1pm, Jun 26-Jul 7, **(no class Jul 4), XK-132 6965** **#4276**
- Mon-Fri 9am-12:30pm, Jul 10-Jul 21, **XK-132 6106** **#4376**
- Mon-Fri 1pm-4:30pm, Jul 24-Aug 4, **XK-132 6725** **#4379**
- Mon-Fri 9am-4:30pm, Aug 7-Aug 11, **XK-132 6164** **#4377**
  (Lunch break on your own from 1pm -1:30pm)
- Mon-Fri 9am-4:30pm, Aug 14-Aug 18, **XK-132 6406** **#4378**
  (Lunch break on your own from 1pm -1:30pm)

Preparation for the SAT Math Test

Ages 15+. If you are taking the SAT and only need preparation in the math section, you should take this updated course. Math preparation includes multi-step problems with applications in science, social science, career scenarios, and other real-life contexts. Students should have completed Algebra II. Test taking tips will be included. The class simulates a test-taking environment with practice tests and exercises. Textbook is provided. You must bring a calculator. $195 (includes $80 in fees*)

- Mon-Fri 1:30pm-4:30pm, Aug 14-Aug 18, **XK-133 6175** **#4380**

Preparation for the SAT Math Test: Advanced

Ages 15+. Do you want to improve your math score on the SAT? This course will focus on the more difficult problems including solid and coordinate geometry, polynomials, probability, word problems,and logic reasoning. Tips and strategies for solving difficult problems will also be included. Students should have taken Algebra II and Preparation for the SAT Math. Textbook is provided. Bring calculator to class. 1 week $195 (includes $80 in fees*)

- Mon-Fri 9:30am-12:30pm, Aug 14-Aug 18, **XK-177 6068** **#4396**

Preparation for the SAT Verbal Test

Ages 15+. If you are taking the SAT and only need preparation in the verbal section, you should take this updated course. Verbal preparation includes vocabulary and reading comprehension such as understanding the author's message, rhetoric, synthesis, and understanding relationships in passages. Test taking tips will be included. The class simulates a test-taking environment with practice tests and exercises. Textbook is provided. $219 (includes $80 in fees*)

- Mon-Fri 9am-1pm, Aug 14-Aug 18, **XK-134 6896** **#4381**

▶ ALL AGES
Lunch, Before & After Care

Before Care

Begin the day with a light breakfast, board games, and a movie. All sessions run 7:30am-8:30am. You are encouraged to bring your favorite G or PG-rated DVDs to share with the group. Students arriving after 8:20am should proceed directly to their classroom or field. Call 443-797-9388 to contact staff. **Location: Horowitz Visual and Performing Arts.** Please see howardcc.edu/collegemap. 1 week $50** (includes $0 in fees*)

- Wed,Thu,Fri 7:30am-8:30am, Jun 21-Jun 23 **(No class Jul 3), **$30, XE-608 6958   #4263**
- Mon-Fri 7:30am-8:30am, Jun 26-Jun 30, **XE-608 6959   #4262**
- Mon-Fri 7:30am-8:30am, Jul 3-Jul 7 **(no class Jul 4) **$40, XE-608 6803   #4344**
- Mon-Fri 7:30am-8:30am, Jul 10-Jul 14, **XE-608 6804   #4345**
- Mon-Fri 7:30am-8:30am, Jul 17-Jul 21, **XE-608 6805   #4346**
- Mon-Fri 7:30am-8:30am, Jul 24-Jul 28, **XE-608 6806   #4347**
- Mon-Fri 7:30am-8:30am, Jul 31-Aug 4, **XE-608 6801   #4343**
- Mon-Fri 7:30am-8:30am, Aug 7-Aug 11, **XE-608 6808   #4348**
- Mon-Fri 7:30am-8:30am, Aug 14-Aug 18, **XE-608 6980   #7998**

After Care

End the day with movies and a light snack. All sessions run 4:30pm-6:30pm. You are encouraged to bring your favorite G or PG-rated DVDs to share with the group. Parents/Guardians who expect to pick up their student(s) after 6:30pm are asked to call 443-797-9388 to inform our After Care providers. A late fine of $5 per 15 minutes will be charged for students picked up after 6:30pm. **Location: Horowitz Visual and Performing Arts.** Please see howardcc.edu/collegemap. 1 week $70** (includes $0 in fees*)

- Wed,Thu,Fri 4:30pm-6:30pm, Jun 21-Jun 23, **$42, XE-609 6960   #4265**
- Mon-Fri 4:30pm-6:30pm, Jun 26-Jun 30, **XE-609 6963   #4264**
- Mon,Wed,Thu,Fri 4:30pm-6:30pm, Jul 3-Jul 7 **(no class Jul 4) **$56, XE-609 6810   #4349**
- Mon-Fri 4:30pm-6:30pm, Jul 10-Jul 14, **XE-609 6811   #4350**
- Mon-Fri 4:30pm-6:30pm, Jul 17-Jul 21, **XE-609 6812   #4351**
- Mon-Fri 4:30pm-6:30pm, Jul 24-Jul 28, **XE-609 6813   #4352**
- Mon-Fri 4:30pm-6:30pm, Jul 31-Aug 4, **XE-609 6814   #4353**
- Mon-Fri 4:30pm-6:30pm, Aug 7-Aug 11, **XE-609 6815   #4354**
- Mon-Fri 4:30pm-6:30pm, Aug 14-Aug 18, **XE-609 6981   #7999**

Combo Time

Do you have a long commute? Sign up for both Before Care and After Care time at a reduced rate. Staff can be reached by calling 443-797-9388. A late fine of $5 per 15 minutes will be charged to those picked up after 6:30pm. **Location: Horowitz Visual and Performing Arts.** Please see howardcc. edu/campusmap for a campus map. 1 week $115** (includes $0 in fees*)

- Wed,Thu,Fri 7:30am-8:30am and 4:30pm-6:30pm, Jun 21-Jun 23, ****$69, XE-607 6961   #4261**
- Mon-Fri 7:30am-8:30am and 4:30pm-6:30pm, Jun 26-Jun 30, **XE-607 6962   #4260**
- Mon,Wed,Thu,Fri 7:30am-8:30am and 4:30pm-6:30pm, Jul 3-Jul 7 **(no class Jul 4)**
  **$92, XE-607 6818   #4337
- Mon-Fri 7:30am-8:30am and 4:30pm-6:30pm, Jul 10-Jul 14, **XE-607 6819   #4338**
- Mon-Fri 7:30am-8:30am and 4:30pm-6:30pm, Jul 17-Jul 21, **XE-607 6821   #4340**
- Mon-Fri 7:30am-8:30am and 4:30pm-6:30pm, Jul 24-Jul 28, **XE-607 6820   #4339**
- Mon-Fri 7:30am-8:30am and 4:30pm-6:30pm, Jul 31-Aug 4, **XE-607 6822   #4341**
- Mon-Fri 7:30am-8:30am and 4:30pm-6:30pm, Aug 7-Aug 11, **XE-607 6823   #4342**
- Mon-Fri 7:30am-8:30am and 4:30pm-6:30pm, Aug 14-Aug 18, **XE-607 6982   #8000**

Lunch Schedule

You provide the lunch, we provide the supervision. From 12pm-1pm, students will eat lunch with their peers and watch general audience movies. All students staying on campus for both morning and afternoon courses must register for this supervised lunch hour. Fee covers supervision, facilities and movies. REQUIRED: STUDENTS MUST BRING THEIR OWN NONPERISHABLE LUNCHES. NO REFRIGERATION OR MICROWAVE IS AVAILABLE. 1 week $19** (includes $0 in fees*)

- Wed,Thu,Fri 12pm-1pm, Jun 21-Jun 23, ****$11, XE-666 6956   #4267**
- Mon-Fri 12pm-1pm, Jun 26-Jun 30, **XE-666 6957   #4266**
- Mon,Wed,Thu,Fri 12pm-1pm, Jul 3-Jul 7 **(no class Jul 4), **$15, XE-666 6826   #4355**
- Mon-Fri 12pm-1pm, Jul 10-Jul 14, **XE-666 6827   #4356**
- Mon-Fri 12pm-1pm, Jul 17-Jul 21, **XE-666 6828   #4357**
- Mon-Fri 12pm-1pm, Jul 24-Jul 28, **XE-666 6829   #4358**
- Mon-Fri 12pm-1pm, Jul 31-Aug 4, **XE-666 683   #4359**
- Mon-Fri 12pm-1pm, Aug 7-Aug 11, **XE-666 6831   #4360**
- Mon-Fri 12pm-1pm, Aug 14-Aug 18, **XE-666 6952   #7997**

GENERAL INSTRUCTIONS

REGISTRATION INFORMATION

REGISTRATION–Choose the summer program(s) you want and write the course number on the registration form. For all registration options, please provide student information, not parent. Check our website howardcc.edu/kidsoncampus for any changes.

Registration form and consent form must be completed and accompanied by payment. Parents/ guardians are financially responsible for the child's tuition payment to HCC. Students will be dropped for non-payment.

Registration opens February 7, 2017. Visit our website at howardcc.edu/kidsoncampus for class availability and updates. You may register online, in-person, mail, or fax.

> **ONLINE REGISTRATION**–Visit **howardcc.edu** and click on "HCC Express." If you are a returning student, you will need your student ID number to register for classes. Returning students and new in-county students should register as a "Noncredit/Continuing Education" student.
>
> **IN-PERSON REGISTRATION**–Come to the College's Records Office, located in RCF 233, 10901 Little Patuxent Parkway in Columbia: 8:45am-7pm Monday-Thursday AND 8:45am-5pm Friday.
>
> **BY MAIL OR FAX**–Use the form in this brochure, enclose credit card information for AMEX, Discover, VISA, or MasterCard, or a check payable to Howard Community College and mail to: **Howard Community College, 10901 Little Patuxent Parkway, Columbia, MD 21044-3197, ATTN: Lock Box Cashier RCF 203. Or fax to 443-518-4333.**

You must submit a consent form before the class starts, or your child will be dropped from the class. The consent form can be found in this brochure. You may fax the consent form to 443-518-4333 or you may mail it to: KOC Coordinator, Division of Continuing Education, Howard Community College, 10650 Hickory Ridge Road, Columbia, MD 21044. You may also submit a consent form electronically when you register online using HCC Express. Online forms can be found on the Kids on Campus registration web page.

POLICIES AND PROCEDURES

BEHAVIOR–As students enjoy their summer classes, they need to remember that college is in session and administrative offices are open for business. Students are expected to demonstrate appropriate behavior and language and follow HCC, KOC, and class rules. Students are expected to: • Behave in a friendly, cooperative manner toward other students, instructors, and staff. • Respect the ideas, person, and property of others. • Be able to work independently. • Be able to focus on a task to completion.

Students may be excluded from activities or dismissed from Kids of Campus for not adhering to the behavior expectations explained above or: • Leaving assigned area unaccompanied by a staff member. • Stealing or vandalizing college property or the property of others. • Bullying. • Using profanity. • Eating or drinking in computer labs. • Jeopardizing the safety of oneself or others. • Disrupting the learning environment.

BROCHURES AND QUESTIONS–For brochures, call 443-518-4110 between 8:30am-4:30pm.

CANCELLATIONS–Please register early. Class size is limited. Courses with insufficient enrollment one week prior to the start of each class session will be canceled. You will be notified by phone or email if a class is canceled.

DROP OFF–**Students should be dropped off at the Hickory Ridge building no earlier than 10 minutes prior to the start of the class.** Classroom assignments will be posted at the Hickory Ridge building. Unsupervised students arriving early will be registered for and sent to Before Care. A fee will be charged. Students changing building locations during the day will be escorted by KOC staff.

DROPS AND REFUNDS–If it will be impossible for your child to attend a course, please notify us immediately. If notification is received by the Monday, **one week prior** to the Monday start date of

the class being dropped, there will be a 100% refund of tuition, registration fee, and materials fee. For any refund request received after that Monday before the class start date, the fees will be withheld. Requests to drop a class must be made in writing, in person, by fax at **443-518-4333** or by telephone at 443-518-4110. Requests for drops or refunds left on voicemail will NOT be processed. You may also use the "Drop a Course" option on HCC Express. You must include the student's name, ID #, address, phone number, course name, course number, and start date. Refunds cannot be made for non-attendance.

EARLY PICK-UP—If you need to pick up your student early, please sign your student out in the Hickory Ridge Building, Room 100. You will be given a release form which you can take to your child's instructor. You will be asked to show picture ID.

FEDERAL TAX ID#—Use this number for your federal income tax return or dependent care credit: 520900106.

HEALTH INFORMATION—HCC will not administer any medications to students. If medication must be taken while the student is on campus, the parent/guardian is responsible for coming to campus to administer the medication. Written permission from a physician is required for those who are able to self-medicate. Call 443-518-4110 for a required form. In an emergency, trained staff will administer epi pens or inhalers provided by students. Kids on Campus cannot guarantee a nut-free environment.

LATE ARRIVAL—Students arriving after the start of class should by signed in by their parent in HR-100. Parents will escort the student to class.

LUNCH—You provide the lunch, we provide the supervision. From 12pm-1pm, students will eat lunch with their peers and watch general audience movies. **Use section numbers listed on page 61 to register for the matching supervised lunch.** All students staying on campus for both morning and afternoon courses must register for this supervised lunch hour. The fee covers supervision, facilities and movies. **NON-PERISHABLE BAG LUNCHES ARE REQUIRED. NO REFRIGERATION OR MICROWAVE IS AVAILABLE.**

PARKING—Please check our website at **howardcc.edu/kidsoncampus** for updated information.

PICK-UP—Students should be picked up promptly at 12pm, noon (for 8:30am-12pm classes). Those not picked up by 12:15pm will be placed in a supervised lunchroom in the Hickory Ridge Building. They will be enrolled in lunch. A fee will be charged.

Parents should pick up their student at the Hickory Ridge Building at the end of their student's class. Students taking classes in other locations will be escorted back to the Hickory Ridge Building.

Students not picked up by 4:45pm will be escorted to After Care located at HVPA. **You may contact our staff in After Care by calling 443-797-9388. A late fee of $5 per 15 minutes will be charged.**

SNACK—A 15-minute class break is scheduled every day. Students may bring their own snack, or they may purchase a drink and snack from the vending machines. Students should bring $1 bills or small change (no pennies) for the vending machines. Staff is unable to provide change for the vending machines.

SPECIAL ACCOMMODATIONS—HCC is committed to providing an accessible education and supportive learning environment for all students. To help us meet this goal, parents of students with documented disabilities who require special accommodations must submit a letter to the Kids on Campus coordinator indicating the student's needs and the type of accommodation that may be required. You must contact the KOC coordinator each time the student enrolls in a class even if you have received accommodations in the past. The KOC coordinator must receive the letter at least 30 days prior to the start of class in order to provide time to assess and arrange for reasonable accommodations.   Inadequate notice may result in your child not being able to attend camp. All information will be kept confidential. HCC does not provide personal medical assistants, care attendants, or aides of any type. Parents are not permitted to attend camp with their child.

WAITLIST—To join a waitlist for a full class go to: howardcc.edu/kocwaitlist. You will be notified if a spot becomes available. Register for another class in the event the class remains full.

NEED TO REACH US DURING KOC? CALL 443-518-4539 • 8:30AM-5PM.

HOWARD
COMMUNITY COLLEGE

You Can Get There From Here.

10901 LITTLE PATUXENT PARKWAY
COLUMBIA, MD 21044

443-518-4110
howardcc.edu/koc

KIDS ON CAMPUS

**Registration Opens
February 7, 2017**