

Kids & Teens on Campus

SUMMER PROGRAMS AT DCC

A summer of fun and enrichment awaits!

Early drop-off (8 a.m.) and late pick-up (6 p.m.) are available for all summer programs. Call (845) 431-8910 for details.

www.sunydutchess.edu/kidsoncampus

Music & Performing Arts

See pages 26-34 for additional music classes and lessons!

For more information please contact **Laura G. Doe, Music School director**, at (845) 431-8916 or laura.doe@sunydutchess.edu.

Song Lyrics Immersion MUX 772

AGES 12 - 17

This 5-day songwriting immersion is designed to give students a foundation in writing song lyrics for different musical genres, including pop-rock, folk, country, punk, and hip-hop. During the week, students will learn how to write song lyrics in the style of each genre, and these songs will be workshopped in both peer and individual settings. Students will have the option to set their lyrics to music and/or beat-making technology. The program will culminate in a "slam poetry"-like performance on Friday 6/30 at 1:30pm, in which students will recite two of their favorite songs for their friends and family. Musicians and writers of all experience levels are welcome!

6090 10 10 a.m.-3 p.m. (MTWRF) 6/26-6/30 DCC Z. Levy-Serrano \$250

Annual Summer Piano Institute MUX 800

AGES 6 - 14

(4-day summer piano immersion) The Summer Piano Institute is for students of all levels, from beginners taking their first lesson to highly advanced piano students. Students have an opportunity to work with a variety of highly-skilled instructors during the four days. Curriculum includes individual and group lessons, ensembles, composition, improvisation and more. Students are grouped by age and ability level. Morning and afternoon music-related childcare may be arranged at an additional fee. Students will bring bag lunch. Students and their families receive free admission to faculty concert on Wednesday, July 12 at 2pm.

5067 10 10 a.m.-3 p.m. (MTWR) 7/10-7/13 DCC Various \$285

Annual Performing Arts Institute MUX 777

AGES 7 - 17

Students will gain valuable life skills while learning the fundamentals of theatre: acting, dancing, and singing. Our fun, varied activities will culminate in a costumed production on the second Friday afternoon of each two week session. The Friday 2 p.m. shows on 7/28 and 8/11 are free and open to all. Activities include theatre games, improvisation, scene study, musical theatre, various dance styles, choral and solo singing, and optional play writing. Students ages 7 - 17 may register for one or both of the following 2-week all-day sections. Participants grouped by age.

5068 10 9 a.m.-4 p.m. (MTWRF) 7/17-7/28 DCC K. Doe \$500

5069 11 9 a.m.-4 p.m. (MTWRF) 7/31-8/11 DCC K. Doe \$500

Explore & Learn!

Each Mon.-Fri. session runs 9 a.m. - 4 p.m. on the DCC Main campus and features a special theme! This academically based summer program is the perfect mix of study and fun as we fuse exciting topics with real, teachable moments. Meaningful learning experiences will be created through games, experiments and activities. Check out what your child is doing each day through our private photo sharing website! If you have questions, contact Ashley Mongelli, coordinator, at (845) 431-8910.

Week 1: Monday, June 26 - Friday, June 30

Where the Wild Things Are! ENC507

Find out where the “wild things” are through nature and environmental-themed activities and adventures! Join us as we hike through campus and explore the great outdoors! Get ready for camping adventures and fun discoveries! This week we will learn about bugs and insects, birds, plants and trees, water, rainbows, conservation and recycling. (35 hours)



5654	10	Ages 6 - 7	\$170
5655	11	Ages 8 - 9	\$170
5656	12	Ages 10 - 11	\$170

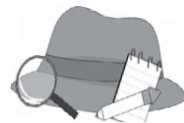
Before- and After-Care for Week 1

5657	13D	8 a.m. - 9 a.m.	\$20
5658	14D	4 p.m. - 5 p.m.	\$20
5659	15D	4 p.m. - 6 p.m.	\$40

Week 2: Monday, July 3 - Friday, July 7

Mysteries & Detectives ENC208

Solve tricky mysteries and act like a true detective! Find clues and crack open cases by analyzing handwriting and identifying mystery substances. Discover how science can help find answers and test your brilliance with brain teasers and riddles. Then put your skills to the test as you navigate a scavenger hunt around campus! Find your inner Sherlock Holmes with us this week! No class Tuesday, July 4. (28 hours)



5025	10	Ages 6 - 7	\$135
5026	11	Ages 8 - 9	\$135
5027	12	Ages 10 - 11	\$135

Before- and After-Care for Week 2

5028	13D	8 a.m. - 9 a.m.	\$16
5029	14D	4 p.m. - 5 p.m.	\$16
5030	15D	4 p.m. - 6 p.m.	\$32

Week 3: Monday, July 10 - Friday, July 14

Outer Space ENC467

Blast off into a world of stars, planets and endless discovery! Build your own planet and learn all about the solar system. Learn why you can jump higher on the moon and how a spaceship works. To stretch our young minds and entice our curiosities, children also will take a field trip across campus to visit the astronomy lab! Grab your imagination and come take off with us! (35 hours)



5013	10	Ages 6 - 7	\$170
5014	11	Ages 8 - 9	\$170
5015	12	Ages 10 - 11	\$170

Before- and After-Care for Week 3

5016	13D	8 a.m. - 9 a.m.	\$20
5017	14D	4 p.m. - 5 p.m.	\$20
5018	15D	4 p.m. - 6 p.m.	\$40

Week 4: Monday, July 17 – Friday, July 21

Pets and the Animal Kingdom ENC205



Discover the many animals that share the earth with us! Learn where different animals live and what they eat, how people can help save endangered species, and how to take care of household pets. Design your own one-of-a-kind animal! Where does it live and what will it look like? The excitement continues as the Poughkeepsie Police Department K-9 Unit and the Two by Two Traveling Zoo stop by to deliver hands-on, visual learning experiences. Special visitors are subject to change due to scheduling and availability. (35 hours)

5019	10	Ages 6 - 7	\$170
5020	11	Ages 8 - 9	\$170
5021	12	Ages 10 - 11	\$170

Before- and After-Care for Week 4

5022	13D	8 a.m. - 9 a.m.	\$20
5023	14D	4 p.m. - 5 p.m.	\$20
5024	15D	4 p.m. - 6 p.m.	\$40

Week 5: Monday, July 24 – Friday, July 28

Olympic Games! ENC216



This week we will learn about the history of the Olympics, what countries participate in it and of course, all of the exciting games and sports that are played. Children will gain an appreciation and understanding of the diversity that exists around the world as they explore new cultures and the way other people live. This week is packed with interesting facts and exciting global adventures! This week we will also be preparing for our own Kids on Campus Olympic Games at the end of the week. Do you have what it takes to be an Olympian athlete? Go for the gold and find out! (35 hours)

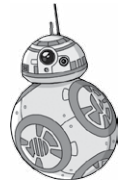
6048	10	Ages 6 - 7	\$170
6049	11	Ages 8 - 9	\$170
6050	12	Ages 10 - 11	\$170

Before- and After-Care for Week 5

6051	13D	8 a.m. - 9 a.m.	\$20
6052	14D	4 p.m. - 5 p.m.	\$20
6053	15D	4 p.m. - 6 p.m.	\$40

Week 6: Monday, July 31 - Friday, August 4

Star Wars! ENC511



The force awakens this summer as we immerse ourselves in the legendary world of Star Wars! This series lends itself to endless teaching opportunities for meaningful and exciting learning experiences! We will explore the value and necessity of true heroes and what it means to “serve like a Jedi.” This week will be filled with science and technology discoveries and experiments! May the force be with you as you navigate this intergalactic adventure! (35 hours)

5660	10	Ages 6 - 7	\$170
5661	11	Ages 8 - 9	\$170
5662	12	Ages 10 - 11	\$170

Before- and After-Care for Week 6

5663	13D	8 a.m. - 9 a.m.	\$20
5664	14D	4 p.m. - 5 p.m.	\$20
5665	15D	4 p.m. - 6 p.m.	\$40

Week 7: Monday, August 7 - Friday, August 11

Art Gallery ENC521



Let your creativity run wild! View artwork from famous artists and create your own masterpiece! Paint, draw and sculpt to your heart’s desire! At the end of the week, projects will be featured in a gallery that will consist of unique, original artwork! The Kids on Campus Art Gallery will be open for parents to view as well. (35 hours)

5037	10	Ages 6 - 7	\$170
5038	11	Ages 8 - 9	\$170
5039	12	Ages 10 - 11	\$170

Before- and After-Care for Week 7

5040	13D	8 a.m. - 9 a.m.	\$20
5041	14D	4 p.m. - 5 p.m.	\$20
5042	15D	4 p.m. - 6 p.m.	\$40

COMPUTER ACADEMY

All Computer Academy programs are held at the DCC main campus. If you have questions about a particular program, please contact John Lentine, coordinator, at (914) 552-0570. Daycare available for early drop-off (8 a.m.) and late pick-up (6 p.m.). Call for details. No class 7/3 and 7/4.

Adventures In Computing CCL004

GRADES 3 - 5

This full day program is designed to help students develop creative ideas, logical thinking and computer skills. Activities include creating animated stories, digital imaging, videos. Students will learn and use a variety of age appropriate software programs. No class 7/3 and 7/4. (30 Hours)

5043	10	9a.m. - 4 p.m.	(MTWRF)	6/29-7/14	DCC	J Lentine	\$550
5044	11	9a.m. - 4 p.m.	(MTWRF)	7/17-7/28	DCC	J Lentine	\$550

Introduction To Programming CCL017

GRADES 6-12

This course is the perfect fit for students who will enter advanced placement programming classes in high school and will expose participants to object-based programming. Working with a popular language, students will become familiar with the basic functions of the language and work toward a collaborative project that showcases their new skills. (30 hours)

5051	10	9 a.m. - 12 p.m	(MTWRF)	6/29-7/14	DCC	J Lentine	\$300
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Introduction To Programming Part 2 CCL015

GRADES 6-12

This course continues the fundamentals of programming by using game design and development as an example of the power of programming languages like Java. Students will learn standard programming skills used in the creation of interactive software and will consider the player's perspective, making game-play user-friendly. Prerequisite: Students should be familiar with c-style programming and have taken an introductory programming class, such as Introduction to Programming from the DCC Summer Computer Academy. (30 Hours)

5052	10	9 a.m. - 12 p.m	(MTWRF)	7/17-7/28	DCC	J Lentine	\$300
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Web Design CCL018

GRADES 6-12

Students will explore web programming languages such as HTML, CSS and JavaScript. Various web design software packages will be used. We also will explore mobile web design for smartphones and tablets. Students will have the opportunity to build their own webpages as well as collaborate in the creation of the academy website. (30 hours)

5673	10	1 p.m. - 4 p.m.	(MTWRF)	6/29-7/14	DCC	J Lentine	\$300
5054	11	1 p.m. - 4 p.m.	(MTWRF)	7/17-7/28	DCC	J Lentine	\$300

Computer-Aided Design CCL020

GRADES 6-12

AutoCad is a powerful tool used by architects, engineers, landscapers and product designers to create amazing structures, machines and environments. Students will design and create a variety of projects including a toy box, birdhouse, robot and their own dream house. Students will also learn to build and model some of their designs using Inventor, a program that creates 3-D models from two dimensional designs. (30 Hours)

5055	10	1 p.m.-4 p.m.	(MTWRF)	6/29-7/14	DCC	J Lentine	\$300
6055	11	1 p.m.-4 p.m.	(MTWRF)	7/17-7/28	DCC	J Lentine	\$300

Animation Essentials NEW! CCL 024

GRADES 5-8

Students learn the animation process using both freeware and professional animation software. Computer-assisted (2D) and computer-generated (3D) animation will be covered. Keyframing and tweening techniques will prepare students for more advanced animations for cartoons and video games. No class 7/3 & 7/4. (30 Hours)

6066	10	9 a.m. - 12 p.m.	(MTWRF)	6/29-7/14	DCC	J Lentine	\$300
6067	11	9 a.m. - 12 p.m.	(MTWRF)	7/17-7/28	DCC	J Lentine	\$300

Computer Hardware CCL007

GRADES 6-12

Students will discover the inner workings of computer architecture and learn the hardware components of a personal computer. They also learn to assemble and troubleshoot PCs in class. Students can, if they choose, select, purchase and assemble the components for their own computer, to take home and keep. Software installation and basic networking will be covered. (30 hours)

5045	10	9 a.m. - 12 p.m.	(MTWRF)	6/29-7/14	DCC	J Lentine	\$300
5046	11	9 a.m. - 12 p.m..	(MTWRF)	7/17-7/28	DCC	J Lentine	\$300

Lego Robotics CCL010

GRADES 6-12

From Roombas to self-driving cars, robots seem to be everywhere these days! Students will build and program their own Lego Mindstorm robot to perform a variety of tasks, finishing the class with a Battlebots competition. No class 7/3 and 7/4. (30 Hours)

5049	10	9 a.m. - 12 p.m.	(MTWRF)	6/29-7/14	DCC	J Lentine	\$300
5050	11	9 a.m. - 12 p.m.	(MTWRF)	7/17-7/28	DCC	J Lentine	\$300

Robotics 101 **NEW!** CCL012

GRADES 7-12

Students will build Arduino-controlled robots from scratch using basic components. Beginning with constructing the motors that actuate robotic movements, class projects teach students to combine simpler components into robotic machines of increasing complexity. Projects include an autonomous car, a bipedal humanoid robot and a robotic arm. Students also will construct a "beetlebot" to take home. (30 hours)

6071	10	1 p.m. - 4 p.m.	(MTWRF)	6/29-7/14	DCC	J Lentine	\$300
6072	11	1 p.m. - 4 p.m.	(MTWRF)	7/17-7/28	DCC	J Lentine	\$300

THE CGI CENTER AT DCC

Computer Generated Imagery (CGI) is an important and growing specialty in today's multimedia world. Movies, TV shows, advertisements, computer games and more use CGI. We provide a solid introduction to CGI tools and techniques in a fun and educational way.

3D Modeling CST622

GRADES 7-12*

Learn the basics of 3D graphics to create and texture 3D objects and animations for use in games. Export your creations for use in the Unity game engine or other software. Integrates with our other CGI Center courses. Prerequisites: General knowledge of graphics software is helpful. (Sect. 10 - 27 Hours, no class July 4; Sect.11 - 30 Hours)

5057	10	9 am-12 pm	(MTWRF)	6/29-7/14	DCC	TBD	\$300
5058	11	9 am-12 pm	(MTWRF)	7/17-7/28	DCC	TBD	\$300

3D Character Creation And Animation CST618

GRADES 7-12*

Learn the art of creating and animating game characters. Make your own or download models to modify. Introduces the concept of motion capture and prepares you for advanced applications of this technology. We will cover facial mapping techniques to use photographs of people to map to your 3D characters. Then learn to add them to a collaborative game world and watch your characters wander around in virtual space! Integrates with our other CGI Academy classes.

No Class 7/3 & 7/4. (30 hours)

5059	10	1 pm-4 pm	(MTWRF)	6/29-7/14	DCC	TBD	\$300
5060	11	1 pm-4 pm	(MTWRF)	7/17-7/28	DCC	TBD	\$300

Android App Development CST623

GRADES 7-12*

Using the MIT App Inventor software, students will quickly learn the structure of smartphone apps using drag-and-drop programming. Students will then be introduced to the Python programming language, which is used to create more complex Android Apps. Projects include simple games, controllers for Lego Robotics robots, and more. Prerequisites: Programming knowledge is not necessary but helpful. Students can use Android phones or tablets (with an SD card installed) in class. (30 hours)

5675	10	1 p.m. - 4 p.m.	(MTWRF)	6/29-7/14	DCC	J Lentine	\$300
5676	11	1 p.m. - 4 p.m.	(MTWRF)	7/17-7/28	DCC	J Lentine	\$300

iPhone App Development **NEW!** CST 624

GRADES 7-12*

In today's "Computing on the go" society, apps and games for mobile devices are becoming increasingly important. Using Apple's new Swift programming language, students will learn how to create their own iPhone/iPad apps. Projects developed in class provide the basics to allow students to continue developing apps on their own. No class 7/3 and 7/4. (30 Hours)

6069	10	1 p.m.-4 p.m.	(MTWRF)	6/29-7/14	DCC	J Lentine	\$300
6070	11	1 p.m.-4 p.m.	(MTWRF)	7/17-7/28	DCC	J Lentine	\$300

**or permission from instructor.*

Learning The Unity Game Engine CST621

GRADES 7-12*

Unity is a popular commercial game engine used in many games and simulations. It has a comprehensive suite of development tools and built-in physics engine that let you rapidly construct a complete virtual world. This course introduces students to this powerful cross platform game development tool. Students can download the "Indie" version of Unity for free so they can use it at home for their own projects. Integrates with our other CGI Academy classes) (30 hours)

5063	10	1 p.m. - 4 p.m.	(MTWRF)	6/29-7/14	DCC	J Lentine	\$300
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Game Programming With The Unity Game Engine CST620

GRADES 7-12*

Learn the techniques of frame by frame game programming using javascript and C-Sharp scripting. Make objects interact with each other using the game physics engine or trigger other events to happen. Prerequisite: Learning the Unity Game Engine or instructor permission. (30 Hours)

5064	10	1 p.m. - 4 p.m.	(MTWRF)	7/17-7/28	DCC	J Lentine	\$300
6056	11	9 a.m. - 12 p.m.	(MTWRF)	7/17-7/28	DCC	J Lentine	\$300

Mobile Game Development with Unity **NEW!** CST 620

GRADES 7-12*

This addition to our Unity suite of game development programming classes focuses on using this professional grade development system to create both 3D and side scrolling games for the Android and iPhone platforms. No class 7/3 & 7/4. (30 Hours)

5064	10	9 p.m. - 12 p.m.	(MTWRF)	6/29-7/14	DCC	J Lentine	\$300
6056	11	9 p.m. - 12 p.m.	(MTWRF)	7/17-7/28	DCC	J Lentine	\$300

VIDEO PRODUCTION

Professional video production requires wide ranging skills. Location filming, set design, script writing and acting together with "behind the camera" studio and editing work to create a polished production. Our video production courses provide hands-on experience in all aspects of this exciting field.

Video Production 1 CCL 008

GRADES 6 - 12

Students team up to produce their very own film using video and audio techniques to capture the story and scripts they created. All aspects of location filming, scriptwriting, storyboarding, set design and sound stage management are covered. Additionally, students learn the "mocap", (i.e. motion capture) techniques used for special effects in today's blockbuster movies. No class 7/3 and 7/4. (30 Hours)

5047	10	9 a.m. - 12 p.m.	(MTWRF)	6/29-7/14	DCC	J Lentine	\$300
6073	11	9 a.m. - 12 p.m.	(MTWRF)	7/17-7/28	DCC	J Lentine	\$300

Video Post Production and Special Effects **NEW!** CCL 111

GRADES 6 - 12

Using footage created in the session 1 Video Production class, as well as cellphone video students bring or create, students work with professional editing equipment learning video and sound editing, visual effects and graphics. No class 7/3 and 7/4. (30 Hours)

6074	10	1 p.m. - 4 p.m.	(MTWRF)	6/29-7/14	DCC	J Lentine	\$300
6075	11	1 p.m. - 4 p.m.	(MTWRF)	7/17-7/28	DCC	J Lentine	\$300

LIVE YOUR DREAM GIRLS' CONFERENCE

Build Confidence - Promote Sisterhood - Nurture a Vision for the Future

Saturday, November 4, 2017 at Dutchess Community College

EXCLUSIVELY FOR 6TH AND 7TH GRADE GIRLS

Contact Lori Scolaro at lori.scolaro@sunydutchess.edu for details.

Presented by the American Association of University Women and the Association of Women at Dutchess Community College