Registration Begins February 1, 2018
Show your children they are college material – register them in JCCC’s Summer Enrichment programs.
Back this year ... our popular Take 3 discount!
2018 Summer Youth Program
Registration opens February 1

1. Go to https://ce.jccc.edu

2. Parent starts by creating their account:
   (Already have an account? Log in, then go to step 3)
   • Select “Create Account”
   • Complete all fields and select “Submit”

3. To add child to parent’s account:
   • Select “My Account”
   • Select “Manage Members”
   • Select “Add New Member”
   • Fill in child’s information into the fields and select “Submit”
   • Go through step 3 again if you would like to add more than one child

4. To register child:
   • Select “Course Search” and use search function to locate course
   • Select the course once found
   • Scroll down and change the drop-down box to the student you would like to register
     (Please note: The drop-down box defaults to the parent name, so the box has to be updated)
   • Select “Add to Cart”
   • Select “Continue Shopping” to search and add more courses or “Checkout” to complete registration

5. Once “Checkout” is selected
   • Fill in “Required Information” questions for your child and select “Next”
   • Check the “Refund Policy” box and then select “Place Order”
   • Select “Pay Now”
   • Enter credit card information and select “Continue”
   • “Check Out Complete” page will open and you will receive an email confirmation

Need online registration assistance? Call 913-469-2323.

Receive a 15% discount when you register in three or more courses in a single transaction. Does not include sports camps/clinics.
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Receive a 15% discount when you register in three or more courses in a single transaction. Does not include sports camps/clinics.

Registering your child in both morning and afternoon courses on the same day? Don’t forget to add a supervised lunch option. See page 26 for more information.
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### Week 8 | July 30- August 3

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Receive a 15% discount when you register in three or more courses in a single transaction. Does not include sports camps/clinics.

Registering your child in both morning and afternoon courses on the same day? Don’t forget to add a supervised lunch option. See page 26 for more information.
Grades 6-7
(entering fall 2018)

Morning

Advanced 3-D Video Game with Unity
Are you ready to take your game design skills to another level? With Unity, an industry-grade design software, aspiring game designers will learn level editing, 3-D modeling, intermediate event scripting, and the impact of game play on user experience.
YOUTH-508-1 $179
MTWTh/Jul. 23-26, 8 a.m.-noon
Chris Buss

Advanced Robotics
Learn to program a robot to overcome daily class challenges using visual- and text-based programming. See firsthand how your program translates into action as you attempt to control your robot sensors and maneuver around obstacles. Apply different coding concepts while using the scientific method to formulate, observe, experiment, test and modify your robot.
YOUTH-501-1 $179
MTWTh/Jul. 30-Aug. 2, 8 a.m.-noon
Josh Stock

Adventures in Ancient Egypt
Inspired by Rick Riordan’s “The Kane Chronicles Trilogy,” this course updates Egyptian mythology for modern audiences. Expand on the people, places, history, culture and religion that the author highlights in his books through the use of slide shows and supplementary materials. Hands-on crafts will echo the adventure of Carter and Sadie as they battle the forces of Seth. Students are encouraged to read “The Kane Chronicles Trilogy.”
YOUTH-250-1 $139
MTWTh/Jul. 30-Aug. 2, 8 a.m.-noon
Stacy Davidson

App.IO: Make Your First Multiplayer App!
The hottest new apps are .IO apps! If you like to play Agar.io or Slither.io, you will love this class! Explore the most popular .IO apps, design your own multiplayer experience, and learn how to code your own.
YOUTH-515-1 $179
MTWTh/Jul. 16-19, 8 a.m.-noon
Chris Buss

Aeronautics – iFLY
Experience the concepts of aerodynamics and flight through classroom experiments and then top it off with a field trip to iFLY, Kansas City’s Indoor Skydiving Experience. Conduct experiments, receive flight and safety training, fly in a wind tunnel, and learn all about the STEM concepts involved in flight.
YOUTH-612-2 $179
MTWTh/Jul. 9-12, 8 a.m.-noon
Tim Urban

Archeology and Artifacts Lab
Get an introduction to the field of archeology. You will be using your observation skills to study various artifacts and interpret their historical significance. If you love history and antiques this class is for you!
YOUTH-260-1 $129
MTWTh/Jun. 4-7, 8 a.m.-noon
Keil Hileman

Beginners Guide to Photoshop
From basic workflow to amazing tips and tricks, you will learn the tools to develop your image-making skills.
You will need to bring a smartphone or digital camera to class.
YOUTH-012-1 $139
MTWTh/Jul. 9-12, 8 a.m.-noon
Cynthia Lofquist
Business Blast
Calling all young entrepreneurs! Do you enjoy working innovatively with your hands and on computers? Learn how to create a basic business plan and find out what it takes to create your own business. You will also hear from guest speakers who are experienced and successful entrepreneurs.

YOUTH-106-2 $129
MTWTh/Jul. 16-19, 8 a.m.-noon
Kim Myers

Colorful Expressions
Explore your creative side by customizing a mask of your own face, painting a vibrantly colored cityscape, and creating your own custom Pop Art. You will paint, sketch, cut and color with several different mediums.

YOUTH-010-1 $139
MTWTh/Jul. 25-28, 8 a.m.-noon
Amanda Adee

Creative Writing Using Real Artifacts
Use your imagination to write, edit and print short stories based on historical artifacts. You will learn the power of writing with the inspiration real historical artifacts.

YOUTH-450-1 $129
MTWTh/Jul. 11-14, 8 a.m.-noon
Keil Hileman

Creative Design and Robotics
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.

YOUTH-500-2 $179
MTWTh/Jul. 4-7, 8 a.m.-noon
Josh Stock

Debate
Learn research, writing, debate and presentations skills by debating issues that are relevant to you. This course will help you become better communicators. Class time will conclude with you and your classmates participating in a debate on a current issue.

YOUTH-100-1 $209
MTWTh/Jul. 4-7, 8 a.m.-noon
Wendy Robinson

Digital Storytelling
Storytelling has always been a significant part of history, but the means through which the stories have been told has evolved with each civilization. Digital stories allow you to take a linear series of events and turn them into a multidimensional experience. You will need to bring a smartphone or tablet with video and still-camera capabilities, headphones and a USB cable for the phone/tablet.

YOUTH-521-1 $179
MTWTh/Jul. 11-14, 8 a.m.-noon
Jim Hopper

Engineering Design Squad: Electricity
Explore circuits and bring innovation to life through the design/engineering process. Collaborate with your team on designing electrical projects such as a pinball machine.

YOUTH-611-1 $139
MTWTh/Jul. 16-19, 8 a.m.-noon
Tim Urban

Engineering Design Squad: Machines
Explore physical science and the design/engineering process. Analyze the given challenges and collaborate as a team to create cars, cranes and other machines.

YOUTH-613-1 $139
MTWTh/Jul. 16-19, 8 a.m.-noon
Tim Urban

Engineering Design Squad: Structures
You will use physical science and the design/engineering process in mechanical, civil, structural and architectural engineering projects. Work as a team to build bridges, towers and cars.

YOUTH-612-1 $139
MTWTh/Jul. 16-19, 8 a.m.-noon
Tim Urban

Exploring Animal Careers
Get in touch with your inner Dr. Doolittle! Have you thought about working with animals as a career? Explore some of the exciting options available in careers that involve animals. Field trips and guest speakers may be included.

YOUTH-155-1 $139
MTWTh/Jul. 4-7, 8 a.m.-noon
Amanda Adee

Gods of Egypt, Greece and Rome
Discover history, geography, religion, art, anthropology, literature, theater and music as you compare and contrast the mythologies of Egypt, Greece and Rome as well as create your own mythological artwork. Emphasis will be placed on the influence of classical mythology on Western Civilization. You will also have a chance to rewrite and perform an ancient myth.

YOUTH-252-1 $139
MTWTh/Jul. 9-12, 8 a.m.-noon
Stacy Davidson

Take 3 Discount – 15% off when you register in three or more courses in a single transaction.
Morning continued

Maker Labs: Make Your First 3-D Creation
Calling all who want to be the designers of the future! If you can dream it, you can make it – create your first action figure, design custom jewelry or make a new toy. Learn how to prepare a model for 3-D printing, and create a design portfolio to showcase your work. Using professional-level modeling software, you will sculpt, texture and render your own 3-D creation. No prior experience is necessary and 3-D designs will be available on a password-protected website to share with friends and family.

YOUTH-513-2 $179
MTWTh/Jun. 18-21, 8 a.m.-noon
Josh Stock

Mandalas: Easy, Fun, Creative Art
Use various media to create several unique mandalas or radial patterns. Learn how to divide a circle into parts in order to build complex designs, then transition to the digital world for an introduction to Adobe Creative Suite. Everyone will bring in found objects and work together to create a giant radial design incorporating all the items.

YOUTH-013-1 $139
MTWTh/Jun. 18-21, 8 a.m.-noon
Cynthia Lofquist

NASA and Space Exploration Using Paper Model Projects and Creations
You will examine and study space exploration and create and play with space models that you create with paper, glue, scissors, colored pencils and markers. Use a computer lab at the start of each class to choose and print models to build. You can build a new and creative model each day, or work on one large display during the week.

YOUTH-602-1 $129
MTWTh/Jun. 25-28, 8 a.m.-noon
Keil Hileman

National Park Adventures
You will be introduced to some of the many amazing National Parks found throughout the United States. Engage in team-building STEM activities that demonstrate the diversity of geographical features found throughout the park system.

YOUTH-607-1 $139
MTWTh/Jun. 25-28, 8 a.m.-noon
Becky Botts

Of Wands and Wizards
This camp is inspired by the Harry Potter book series by J.K. Rowling and the accompanying movie franchise. After being sorted into their houses, you and your classmates will complete coursework in charms, potions, defense against the dark arts, the history of magic and more. Activities include making a wand, writing spells on “parchment,” crafting a house pennant and designing a 5th House for Hogwarts. The instructor will share photos from her visit to the Harry Potter Studio Tour in Leavesden, United Kingdom, as well as highlight the influence of Latin and Greek on J.K. Rowling’s character and spell names.

YOUTH-451-3 $139
MTWTh/Jul. 16-19, 8 a.m.-noon
Stacy Davidson

Pencils to Paintbrushes
Do you like to draw and paint? You will do both working with a wide variety of materials, including some unusual and non-traditional approaches. Learn about the elements of line, color, shape, expression and composition as you capture on paper both what you see and what is in your imagination.

YOUTH-006-1 $139
MTWTh/Jul. 30 - Aug. 2, 8 a.m.-noon
Jessica McLaughlin

Grades 6-7
(entering fall 2018)
Python Programmers: Make Your Own Multiplayer Game!
YouTube, Google, Instagram and Spotify – what do they have in common? They were created with Python. Learn how to code with Python and create your first multi-player adventure game. Each lesson takes you to step-by-step on a programming path that will let you challenge friends with a game you built from start to finish!
YOUTH-507-1 $179
MTWTh/Jun. 25-28, 8 a.m.-noon
Chris Buss

Roblox® Makers-Coders-Entrepreneurs!
Discover how to code in the Lua language while you play and design worlds in Roblox®. Combine game design concepts, coding and fun! You will also learn how to navigate Roblox’s fast-growing marketplace to publish your games.
YOUTH-516-1 $179
MTWTh/Jun. 11-14, 8 a.m.-noon
Jessica Sadler

Rocket Science
Explore the physics and design of rockets and other objects in flight. You will conduct experiments by designing and launching rockets.
You will need to bring at least one 2-litre bottle for your rocket.
YOUTH-618-1 $139
MTWTh/Jun. 4-7, 8 a.m.-noon
Richard Kessler

Sign Language II
Expand your knowledge of American Sign Language and build on previously learned basic vocabulary and conversational skills while refining expressive and receptive fingerspelling. Gain a greater understanding of the Deaf community and its culture by taking a field trip to the Deaf Cultural Center in Olathe, Kansas. Lessons will be interactive and incorporate a variety of learning activities such as art projects, games, group work, computer activities and short videos.
YOUTH-311-1 $129
MTWTh/Jul. 16-19, 8 a.m.-noon
Michelle Hartegan-Mathews

Social Studies of Star Wars
We all know the effect of Star Wars on pop culture, but have you ever analyzed the saga from a social studies perspective, i.e. the effect on human history? Review the mythology of Star Wars, the effect of the films on economics, and the expansion into other mediums such as books and video games. Learn about the hero epic and other tropes that run throughout the saga and how those tropes resonate throughout other creative endeavors you like.
YOUTH-264-1 $139
MTWTh/Jul. 23-26, 8 a.m.-noon
Brandon Bishop

Spanish Immersion I
Learn Spanish fast and effectively using common Spanish phrases and idiomatic expressions. Immerse yourself in a truly authentic Spanish conversation. Learn functional grammar easily through an original motivational method that incorporates updated strategies and techniques.
YOUTH-315-1 $129
MTWTh/Jul. 4-7, 8 a.m.-noon
Jose Guerra

Spanish Immersion II
This class is a continuation of Spanish Immersion I. You will be immersed in the Spanish language, learning and using functional grammar, vocabulary development, word pronunciation and common phrases.
YOUTH-317-1 $129
MTWTh/Jul. 18-21, 8 a.m.-noon
Jose Guerra

STEM to STEAM for Girls
Experiment, build and design a variety of structures and contraptions using typical household materials. Motors, fans, circuits and technology will also be incorporated.
YOUTH-606-1 $139
MTWTh/Jul. 18-21, 8 a.m.-noon
Becky Botts

Ultimate Paper Model Projects and Creations
You will examine, study and create models using paper, glue, scissors, colored pencils and markers. You will use a computer lab at the start of each class to choose and print models to build. Build a new and creative model each day, or work on one large display during the week.
YOUTH-600-1 $129
MTWTh/Jul. 18-21, 8 a.m.-noon
Keil Hileman

Virtual Reality: The Future is Now
Embark on an EPIC adventure in virtual reality! Learn the foundations of VR design by creating your own virtual worlds, exploring simulated environments, and crafting memorable 3-D experiences. 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.
YOUTH-518-1 $179
MTWTh/Jul. 9-12, 8 a.m.-noon
Chris Buss

Whose Line ... ?
Dive into the structures of improv theatre and comedy. Even if you have never acted on stage, you will strengthen your confidence and speaking skills, spark your creativity and increase your ability to think-on-the-spot. But that is secondary, as this class is all about fun.
YOUTH-430-2 $129
MTWTh/Jul. 25-28, 8 a.m.-noon
Tim Urban

**Take 3 Discount – 15% off when you register in three or more courses in a single transaction.**
Afternoon

Advanced Castle Building
Cross the drawbridge and travel back in time to study, design and build medieval castles. You’ll view video clips from History, Learning and Discovery channel shows that feature castles and the rules of engagement for Middle Age warfare. Examine working catapults and build paper castles. And if that’s not enough, you will create your own unique castle using advanced LEGO® and Mega® Blocks castle building sets. Class will conclude with the study and viewing of the myth, LadyHawke. It’s best to do research before class starts such as checking out library books regarding Middle Age castles and printing pictures and articles from the internet. So, what are you waiting for?

YOUTH-603-1 $209
MTWTh/Jun. 18-28, 1-4 p.m.
Keil Hileman

App Inventor
Be as functional, silly or creative as you want as you develop apps for Android devices using web-based App Inventor.

Remember to bring an Android tablet to class.

YOUTH-519-1 $159
MTWTh/Jun. 11-14, 1-4 p.m.
Denise Spotts

Code Breakers
Calling all future coders, programmers and designers. Learn the basics of coding languages like HTML, JavaScript and CSS through a series of web projects and design challenges and be on your way to becoming a tech star. Whether you want to be the next Mark Zuckerberg or the student who just made $1 million dollars for programming, this course has the essentials you need to begin your journey. Projects will be available on a website to share with friends and family.

YOUTH-502-1 $159
MTWTh/Jul. 16-19, 1-4 p.m.
Jessica Sadler

Creative Problem-Solving
Get your creative juices flowing with this fun and challenging class. Create a structure and discover how much weight it will hold, make a kite that will fly and much more.

YOUTH-700-1 $129
MTWTh/Jun. 11-14, 1-4 p.m.
Wendy Robinson

Duct Tape-abilities
From function to fashion, use duct tape to create bags, wallets, organizers and more. Design a fashion line and look at what other young people are doing on the business side of creating and selling duct tape products.

YOUTH-005-1 $139
MTWTh/Jul. 23-26, 1-4 p.m.
Jessica McLaughlin

Engineering Challenge Using LEGO®
Are you ready for the Engineering Challenge? Learn to build mechanical devices such as a scissor lift, air compressor or drawbridge in this advanced course for our strongest builders. Collaborate in small groups to accomplish large-scale missions such as a minifigure rescue or a Rube Goldberg machine! Creativity and collaboration are the name of the game in this camp designed for the hard core LEGO® enthusiast.

YOUTH-623-1 $139
MTWTh/Jul. 30 - Aug. 2, 1-4 p.m.

Exploring Young Adult Literature
Read, eat, explore, create! Find your favorite style of young adult literature, create projects and play vocabulary-enhancing games. While sharing and relaxing with our favorite books, we will enjoy a snack prepared in class.

Please bring your favorite book to read on the first day of class.

YOUTH-452-1 $129
MTWTh/Jun. 4-7, 1-4 p.m.
Wendy Robinson

Inside Out: The Human Body
Discover the ins and outs of the human body by getting hands-on and learning a lot about…you! Look at things on a cellular level, dissect multiple “parts,” and create your own body models. You will not look at yourself the same way again.

YOUTH-625-1 $139
MTWTh/Jul. 9-12, 1-4 p.m.
Jessica Sadler
Intro to Digital Audio and Recording
Designed to further develop skills acquired in Music Technology and You, you will practice using ProTools digital audio software to record, edit and play back music. Learn basic concepts of audio editing and create recordings of your own music.
Prior attendance of Music, Technology and You or ProTools experience required.
YOUTH-403-1 $129
MTWTh/Jul. 23-26, 1-4 p.m.
Victor Olvera

Minecraft Animators
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 the techniques of key framing, tweening, texturing and animating rigged 3-D models. Your projects will be available on a password-protected website to share with friends and family. You do not need to own a Minecraft account to use the software in this class. Mac users can play their project at home, but will not be able to edit the project without a PC.
YOUTH-512-2 $159
MTWTh/Jun. 4-7, 1-4 p.m.
Josh Stock

Music Technology and You
Do you love music . . . and computers, too? Spend two weeks using a computer and familiarizing yourself with the software currently used to produce music. You’ll learn to operate equipment capable of recording, editing and playing back music using more than 1,500 instruments via the keyboard. You will have the option to record live instruments or vocals.
A recital of student compositions will be performed on the final day.
YOUTH-400-2 $209
MTWTh/Jul. 9-19, 1-4 p.m.
Victor Olvera

Introduction to Graphic Design
You and your friends love to express yourselves, and are designers by nature whether you’re making posters for school, deciding what to hang in your rooms or creating personalized notebook covers. Every day you are surrounded by visual communication. Learn about the elements of graphic design, including function, color, typography and much more!
YOUTH-002-2 $139
MTWTh/Jun. 25-28, 1-4 p.m.
Jessica McLaughlin

Mock Trial Experience
Be part of a courtroom drama. Learn the criminal justice system’s procedures, processes and roles so you can actively participate in a mock trial by playing judge, lawyer or witness. Speakers from related professions will appear to give their testimonies, and there’s a field trip, too!
YOUTH-154-2 $219
MTWTh/Jun. 4-14, 1-4 p.m.
Susan Latas

Mummy Mystery
Study the process of mummification in ancient Egypt, religion, tombs and treasures. Mummies from around the world will be presented as will mummies in movies. Activities include a mummification experiment, crafting your own Canopic jar and making Egyptian amulets! Camp is taught by Kansas City’s only Egyptologist.
This course covers the topic of body preservation after death and includes some images of historical mummies. Such images are presented respectfully and in order to educate students about mummification and world cultures.
YOUTH-251-2 $129
MTWTh/Jul. 23-26, 1-4 p.m.
Stacy Davidson

Mythology, Myths and Monsters
Explore the history and origins of some of your favorite stories from history. You will watch video clips, study books and models and create your own mythological creatures using what you have learned.
YOUTH-262-1 $209
MTWTh/Jun. 4-14, 1-4 p.m.
Keil Hileman

Learn to Play the Harmonica
Have fun learning the harmonica. You will learn how to play a song the first day and by the end of the week you will be blowing up a storm. You do not have to know how to read music to take this course.
Bring a 10-hole diatonic harmonica in the key of C.
YOUTH-406-1 $129
MTWTh/Jun. 4-7, 1-4 p.m.
Harvey Fitzer

Minecraft Designers
If you love the game Minecraft, but always wanted to design your own characters and buildings for your games, this class is for you. Learn the basics of creating 3-D models using a new software to design your very own objects, create skins for characters and import them into your favorite Minecraft games. To access your project at home, you must own a PC/Mac version of Minecraft. Tablet, phone and game console version of Minecraft are not compatible.
YOUTH-509-1 $159
MTWTh/Jul. 9-12, 1-4 p.m.
Josh Stock

Paleo Rocks
Calling all future paleontologists! In a partnership with the Museum at Prairiefire, you will experience a hands-on exploration of geology and paleontology. Time will be spent in the lab and in the field. It’s a fossil-finding experience. Completion of this course gives you eligibility to participate in the Museum’s Overnight Dig and Camp Out in central Kansas taking place June 23-24. Find more information about the Dig and Camp Out and additional Paleo Rocks classes at www.museumatpf.org.
YOUTH-616-1 $129
MTWTh/Jul. 30 - Aug. 2, 1-4 p.m.
Stacy Davidson

Learn to Play the Harmonica
Have fun learning the harmonica. You will learn how to play a song the first day and by the end of the week you will be blowing up a storm. You do not have to know how to read music to take this course.
Bring a 10-hole diatonic harmonica in the key of C.
YOUTH-406-1 $129
MTWTh/Jun. 4-7, 1-4 p.m.
Harvey Fitzer

Mock Trial Experience
Be part of a courtroom drama. Learn the criminal justice system’s procedures, processes and roles so you can actively participate in a mock trial by playing judge, lawyer or witness. Speakers from related professions will appear to give their testimonies, and there’s a field trip, too!
YOUTH-154-2 $219
MTWTh/Jun. 4-14, 1-4 p.m.
Susan Latas

Mummy Mystery
Study the process of mummification in ancient Egypt, religion, tombs and treasures. Mummies from around the world will be presented as will mummies in movies. Activities include a mummification experiment, crafting your own Canopic jar and making Egyptian amulets! Camp is taught by Kansas City’s only Egyptologist.
This course covers the topic of body preservation after death and includes some images of historical mummies. Such images are presented respectfully and in order to educate students about mummification and world cultures.
YOUTH-251-2 $129
MTWTh/Jul. 23-26, 1-4 p.m.
Stacy Davidson
Pre-Algebra
You will review pre-algebra concepts, such as integers, fractions, decimals, percents, basic geometry, and graphing on the two-dimensional plane, in a fun environment. Play games to review and create an interactive notebook of concepts for you to use in your math studies in the coming year. No homework will be assigned, unless you want some.

**YOUTH-470-2 $129**
MTWTh/Jul. 23-26, 1-4 p.m.
Sherry Vore

Problem-Solving Using Mathematics
Do you like challenges and learning new ways to solve problems? Participate in many activities designed to help you grow in your knowledge and application of the problem-solving process.

**YOUTH-472-1 $129**
MTWTh/Jun. 25-28, 1-4 p.m.
Brooklyn Rauckman

Public Speaking and Forensics
Learn public speaking techniques and then move into forensics, which will include persuasive, informative and historical speeches. Each day will be filled with fun drama and improv games. Learn to captivate your audience with your speaking and performing skills!

**YOUTH-102-1 $129**
MTWTh/Jun. 18-21, 1-4 p.m.
Wendy Robinson

Science in the Summer
Which do you like best – chemistry, physics or engineering? Enjoy them all as you explore the properties of water outside the pool. See the excitement behind chemical reactions. Get creative building simple machines, and discover just how much fun you can have applying science to your everyday life.

**YOUTH-624-1 $139**
MTWTh/Jun. 11-14, 1-4 p.m.
Brittany Harding

Robotics Using LEGO® EV3
Build and program robots using the new LEGO® Mindstorms EV3 system! Learn about mechanical and software design, loops, conditional statements, problem-solving and teamwork skills. Control the robot to avoid obstacles, pick up and carry objects, and play sounds. Projects are structured so that you work in an open-ended, investigative environment while having fun.

**YOUTH-622-1 $159**
MTWTh/Jul. 25-28, 1-4 p.m.

Sign Language I
Come explore the world of American Sign Language. Learn the alphabet, numbers, colors, and school and conversational signs. Activities will provide a fun and interesting way to start your sign language education.

**YOUTH-310-1 $209**
MTWTh/Jul. 18-28, 1-4 p.m.
Michelle Hartegan-Mathews

Star Wars Stop Animation
Make your own Star Wars adventure come to life! Bring in your favorite action figures or Star Wars vehicles to 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, bring your dreams to the screen.

*Bring in Star Wars action figures or vehicles from home. All other equipment will be provided.*

**YOUTH-517-1 $159**
MTWTh/Jul. 23-26, 1-4 p.m.
Josh Stock

The Amazing Mural Project
Have you ever wanted to produce a public piece of art? Art impacts communities and reusing materials helps the environment. Work with a group to generate a theme, promote ideas to JCCC, create a large scale mural out of bottle caps saved from the landfill and install final artwork in a designated space. Names and additional information about the mural will be listed beside the mural. This is truly a unique opportunity to be a part of something amazing.

**YOUTH-011-1 $229**
MTWTh/Jul. 9-19, 1-4 p.m.
Jessica McLaughlin
The Brain Game
Enhance your 21st century skills, such as critical thinking, creativity, teamwork and sportsmanship, through classic board games like Chess, Risk, Mastermind, and Clue, and new games such as Catan, Equate (math Scrabble), Blokus and Quirkle.

YOUTH-701-1 $129
MTWTh/Jul. 16-19, 1-4 p.m.
Tim Urban

Web Cartoon Maker
Using the language of C++ via Web Cartoon Maker you will create a full length animated movie in AVI format which can be converted to DVD or blu-ray or uploaded to YouTube in HD format. Design your own characters, images and sounds or use the existing templates.

YOUTH-520-1 $159
MTWTh/Jun. 18-21, 1-4 p.m.
Denise Spotts

Friday

Archeology and Artifacts (Friday Only)
Get an introduction to the field of archeology. Use your observation skills to study various artifacts and interpret their historical significance. You will clean ancient Roman coins and learn about specific pieces of history to share with your family and friends at the end of the day. If you love history and antiques this class is for you! This is a consolidated version of the Monday through Thursday class.

Bring a lunch and a drink to class.

YOUTH-261-1 $79
F/Jun. 15, 8 a.m.-4 p.m.
Keil Hileman

Babysitter’s Training
Prepare yourself to be the sitter everyone wants! Learn tips to make the time fun and safe for you and the kids. Complete the formal training and receive your Red Cross Certificate.

Bring a lunch, drink and snack to class.

YOUTH-150-2 $149
F/Jun. 22, 8 a.m.-3 p.m.

YOUTH-150-3 $149
F/Jul. 20, 8 a.m.-3 p.m.

Deciphering Egyptian Hieroglyphs
The instructor, a professional Egyptologist, incorporates interactive and innovative approaches to learning this ancient language. Along with language instruction, supplemental topics in history, culture, art and religion will be incorporated into this course. By the end, you will be able to read simple words and phrases, understand the imagery on Egyptian art and artifacts, and gain experience studying a non-Western foreign language.

Bring a lunch and drink to class.

YOUTH-300-2 $79
F/Jul. 13, 8 a.m.-4 p.m.
Stacy Davidson

Ultimate Castle Creation
Have fun planning, designing and experimenting with hundreds of soldiers and Schleich Castle toys. As a class you will display and create one giant castle with more than 14 towers and 600 soldiers.

Bring a lunch and drink to class.

YOUTH-604-1 $79
F/Jun. 8, 8 a.m.-4 p.m.
Keil Hileman

Ultimate Paper Airplanes and Things That Fly (Friday Only)
You will examine, study, create and play with flying paper airplanes that can be created using paper, glue, scissors, colored pencils and markers. Build multiple new models during the course of the day. Your models are your property and you can take them home at the end of the day. As weather permits, you will participate in flight contests outside and from the second- and third-story balconies in the Carlsen Center.

Bring a lunch and drink to class.

YOUTH-601-1 $79
F/Jul. 29, 8 a.m.-4 p.m.
Keil Hileman

Mythology, Myths and Monsters (Friday Only)
Explore the history and origins of some of your favorite stories from history. You will watch video clips, study books and models and create our own mythological creatures using what you have learned. You will also create the story or myth behind your creature to share with your family and friends at the end of the day. This is a consolidated version of the Monday through Thursday class.

Bring a lunch and drink to class.

YOUTH-263-1 $79
F/Jul. 22, 8 a.m.-4 p.m.
Keil Hileman

Take 3 Discount – 15% off when you register in three or more courses in a single transaction.
Morning

Advanced 3-D Video Game with Unity
Are you ready to take your game design skills to another level? With Unity, an industry-grade design software, aspiring game designers will learn level editing, 3-D modeling, intermediate event scripting, and the impact of game play on user experience.

YOUTH-508-1 $179
MTWTh/ Jul. 23-26, 8 a.m.-noon
Chris Buss

Advanced Debate
Use previously learned skills to research current issues and provide evidence to support your side of the issue as you participate in a debate. This course will help prepare you for class presentations and high school debate and is designed for students with experience in debate. Prior debate class is not required. It is recommended that you have prior experience with research and/or speaking in front of others.

YOUTH-101-1 $129
MTWTh/ Jun. 18-21, 8 a.m.-noon
Wendy Robinson

Advanced Robotics
Learn to program a robot to overcome daily class challenges using visual- and text-based programming. See firsthand how your program translates into action as you attempt to control your robot sensors and maneuver around obstacles. Apply different coding concepts while using the scientific method to formulate, observe, experiment, test and modify your robot.

YOUTH-501-1 $179
MTWTh/Jul. 30-Aug. 2, 8 a.m.-noon
Josh Stock

App.IO: Make Your First Multiplayer App!
The hottest new apps are IO apps. If you like to play Agar.io or Slither.io you will love this class! Explore the most popular .IO apps, design your own multiplayer experience, and learn how code your own.

YOUTH-515-1 $179
MTWTh/Jul. 16-19, 8 a.m.-noon
Chris Buss

Archeology and Artifacts Lab
Get an introduction to the field of archeology. You will be using your observation skills to study various artifacts and interpret their historical significance. If you love history and antiques this class is for you!

YOUTH-260-1 $129
MTWTh/Jul. 23-26, 8 a.m.-noon
Keil Hileman

Creative Writing Using Real Artifacts
Use your imagination to write, edit and print short stories based on historical artifacts. You will learn the power of writing combined with the inspiration of real historical artifacts.

YOUTH-450-1 $129
MTWTh/ Jun. 11-14, 8 a.m.-noon
Keil Hileman

Beginners Guide to Photoshop
From basic workflow to amazing tips and tricks you will learn the tools to develop your image-making skills. You will need to bring a smartphone or digital camera to class.

YOUTH-012-1 $139
MTWTh/Jul. 9-12, 8 a.m.-noon
Cynthia Lofquist

Concept Shoe Design
Concept designs are hot in cars, furniture, tech, etc. and shoes are no exception. While exploring the elements and principles of design, let your imagination take you beyond the confines of sneakers and delve into the exciting possibilities of footwear. Use recycled and new materials to create your own line of fabulous shoes. You will need to bring a blank canvas-type shoe (ex. Keds®, Converse® or similar styles).

YOUTH-001-1 $139
MTWTh/Jul. 23-26, 8 a.m.-noon
Jessica McLaughlin

Creative Design and Robotics
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.

YOUTH-500-2 $179
MTWTh/Jun. 4-7, 8 a.m.-noon
Josh Stock
Digital Storytelling
Storytelling has always been a significant part of history, but the means through which the stories have been told has evolved with each civilization. Digital stories allow you to take a linear series of events and turn them into a multidimensional experience.

You will need to bring a smartphone or tablet with video and still camera capabilities, headphones and a USB cable for the phone/tablet.

YOUTH-522-1 $179
MTWTh/Jul. 9-12, 8 a.m.-noon
Jim Hopper

Mandalas: Easy, Fun, Creative Art
Use various media to create several unique mandalas or radial patterns. Learn how to divide a circle into parts in order to build complex designs, then transition to the digital world for an introduction to Adobe Creative Suite. Everyone will bring in found objects and work together to create a giant radial design incorporating all the items.

YOUTH-013-1 $139
MTWTh/Jun. 18-21, 8 a.m.-noon
Cynthia Lofquist

NASA and Space Exploration Using Paper Model Projects and Creations
You will examine and study space exploration and create and play with space models that you create with paper, glue, scissors, colored pencils and markers. Use a computer lab at the start of each class to choose and print models to build. You can build a new and creative model each day, or work on one large display during the week.

YOUTH-602-1 $129
MTWTh/Jun. 25-28, 8 a.m.-noon
Keil Hileman

Gods of Egypt, Greece and Rome
Discover history, geography, religion, art, anthropology, literature, theater and music as you compare and contrast the mythologies of Egypt, Greece and Rome as well as create your own mythical artwork. Emphasis will be placed on the influence of classical mythology on Western Civilization. You will also have a chance to rewrite and perform an ancient myth.

YOUTH-252-1 $139
MTWTh/Jul. 9-12, 8 a.m.-noon
Stacy Davidson

Of Wands and Wizards
This camp is inspired by the Harry Potter book series by J.K. Rowling and the accompanying movie franchise. After being sorted into their houses, you and your classmates will complete coursework in charms, potions, defense against the dark arts, the history of magic and more. Activities include making a wand, writing spells on “parchment,” crafting a house pennant, and designing a 5th House for Hogwarts. The instructor will share photos from her visit to the Harry Potter Studio Tour in Leavesden, United Kingdom, as well as highlight the influence of Latin and Greek on J.K. Rowling’s character and spell names.

YOUTH-451-3 $139
MTWTh/Jul. 16-19, 8 a.m.-noon
Stacy Davidson

Pencils to Paintbrushes
Do you like to draw and paint? You will do both working with a wide variety of materials, including some unusual and non-traditional approaches. Learn about the elements of line, color, shape, expression and composition as you capture on paper both what you see and what is in your imagination.

YOUTH-006-1 $139
MTWTh/Jul. 30 - Aug. 2, 8 a.m.-noon
Jessica McLaughlin

Python Programmers: Make Your Own Multiplayer Game!
YouTube, Google, Instagram and Spotify – what do they have in common? They were created with Python. Learn how to code with Python and create your first multiplayer adventure game. Each lesson takes you step-by-step on a programming path that will let you challenge friends with a game you built from start to finish!

YOUTH-507-1 $179
MTWTh/Jun. 25-28, 8 a.m.-noon
Chris Buss

Roblox® Makers-Coders-Entrepreneurs!
Discover how to code in the Lua language while you play and design worlds in Roblox®. Combine game design concepts, coding and fun! You will also learn how to navigate ROBLOX®’s fast-growing marketplace to publish your games.

YOUTH-516-1 $179
MTWTh/Jun. 11-14, 8 a.m.-noon
Jessica Sadler

Rockets and Aeronautics – iFLY
Explore the art involved in the design and manufacturing of air flight. You will conduct experiments by designing and launching rockets. You will then experience aeronautics firsthand by visiting iFLY, Kansas City’s Indoor Skydiving Experience. There you will receive flight and safety training, fly in the wind tunnel and learn all about the STEM concepts involved in your flight.

YOUTH-619-1 $179
MTWTh/Jul. 23-26, 8 a.m.-noon
Richard Kessler

Sign Language II
Expand your knowledge of American Sign Language and build on previously learned basic vocabulary and conversational skills while refining expressive and receptive fingerspelling. Gain a greater understanding of the Deaf community and its culture by taking a field trip to the Deaf Cultural Center in Olathe, Kansas. Lessons will be interactive and incorporate a variety of learning activities such as art projects, games, group work, computer activities and short videos.

YOUTH-311-1 $129
MTWTh/Jul. 16-19, 8 a.m.-noon
Michelle Hartegan-Mathews

Everyone’s Fast-Fun-Full of Fun Summer Courses!
Do you like to draw and paint? You will do both working with a wide variety of materials, including some unusual and non-traditional approaches. Learn about the elements of line, color, shape, expression and composition as you capture on paper both what you see and what is in your imagination.

YOUTH-006-1 $139
MTWTh/Jul. 30 - Aug. 2, 8 a.m.-noon
Jessica McLaughlin

Take 3 Discount – 15% off when you register in three or more courses in a single transaction.
**Morning continued**

**Social Studies of Star Wars**
We all know the effect of Star Wars on pop culture, but have you ever analyzed the saga from a social studies perspective, i.e. the effect on human history? Review the mythology of Star Wars, the effect of the films on economics, and the expansion into other mediums such as books and video games. Learn about the hero epic and other tropes that run throughout the saga and how those tropes resonate throughout other creative endeavors you like.

**YOUTH-264-1 $139**  
MTWTh/Jul. 23-26, 8 a.m.-noon  
Brandon Bishop

**Spanish Immersion I**
Learn Spanish fast and effectively, using daily life Spanish phrases and idiomatic expressions. Immerse yourself in a truly authentic Spanish conversation. Learn functional grammar easily through an original motivational method that incorporates updated strategies and techniques.

**YOUTH-316-1 $129**  
MTWTh/Jun. 11-14, 8 a.m.-noon  
Jose Guerra

**Spanish Immersion II**
This class is a continuation of Spanish Immersion I. You will be immersed in the Spanish language, learning and using functional grammar, vocabulary development, word pronunciation and common phrases.

**YOUTH-317-1 $129**  
MTWTh/Jun. 18-21, 8 a.m.-noon  
Jose Guerra

**Ultimate Paper Model Projects and Creations**
You will examine, study and create models using paper, glue, scissors, colored pencils and markers. You will use a computer lab at the start of each class to choose and print models to build. Build a new and creative model each day, or work on one large display during the week.

**YOUTH-600-1 $129**  
MTWTh/Jun. 18-21, 8 a.m.-noon  
Keil Hileman

**Virtual Reality: The Future is Now**
Embark on an EPIC adventure in virtual reality! Learn the foundations of VR design by creating your own virtual worlds, exploring simulated environments, and crafting memorable 3-D experiences. 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.

**YOUTH-518-1 $179**  
MTWTh/Jul. 9-12, 8 a.m.-noon  
Chris Buss

**Afternoon**

**Advanced Castle Building**
Cross the drawbridge and travel back in time to study, design and build medieval castles. You’ll view video clips from History, Learning and Discovery channel shows that feature castles and the rules of engagement for Middle Age warfare. Examine working catapults and build paper castles. And if that’s not enough, you will create your own unique castle using advanced LEGO® and Mega® Blocks castle building sets. Class will conclude with the study and viewing of the myth, LadyHawke. It’s best to do research before class starts such as checking out library books regarding Middle Age castles and printing pictures and articles from the internet. So, what are you waiting for?

**YOUTH-603-1 $209**  
MTWTh/Jun. 18-28, 1-4 p.m.  
Keil Hileman

**App Inventor**
Be as functional, silly or creative as you want when you develop apps for Android devices using web-based App Inventor.  
*Remember to bring an Android tablet to class.*

**YOUTH-519-1 $159**  
MTWTh/Jun. 11-14, 1-4 p.m.  
Denise Spotts
Career Explorations – You Can Do (Almost) Anything
Come explore possible career fields for your future. This program includes the Myers-Briggs Type Indicator assessment that will help you identify areas of potential interest for future colleges, classes and careers.

YOUTH-153-1 $159
MTWTh/Jul. 25-28, 1-4 p.m.
Jennifer Schmidt

Code Breakers
Calling all future coders, programmers and designers. Learn the basics of coding languages like HTML, JavaScript and CSS through a series of web projects and design challenges each day and be on your way to becoming the next tech star. Whether you want to be the next Mark Zuckerberg or the student who just made $1 million dollars for programming, this course has the essentials you need to begin your journey. Projects will be available on a website to share with friends and family.

YOUTH-502-1 $159
MTWTh/Jul. 16-19, 1-4 p.m.
Jessica McLaughlin

Duct Tape-abilities
From function to fashion, use duct tape to create bags, wallets, organizers and more. Design a fashion line and look at what other young people are doing on the business side of creating and selling duct tape products.

YOUTH-005-1 $139
MTWTh/Jul. 23-26, 1-4 p.m.
Jessica McLaughlin

Intro to Digital Audio and Recording
Designed to further develop skills acquired in Music Technology and You, you will practice using ProTools digital audio software to record, edit and play back music. Learn basic concepts of audio editing and create recordings of your own music.

Prior attendance of Music, Technology and You or ProTools experience required.

YOUTH-403-1 $129
MTWTh/Jul. 23-26, 1-4 p.m.
Victor Olvera

Introduction to Graphic Design
You and your friends love to express yourselves, and are designers by nature whether you’re making posters for school, deciding what to hang in your rooms or creating personalized notebook covers. Every day you are surrounded by visual communication. Learn about the elements of graphic design, including function, color, typography and much more!

YOUTH-002-2 $139
MTWTh/Jul. 25-28, 1-4 p.m.
Jessica McLaughlin

Latin and Greek for the Modern World
Knowledge of Latin and ancient Greek greatly benefits you if you are seeking degrees in English, medicine, law, the sciences, mathematics, history, the humanities and Romance languages. You will be introduced to the basics of the Latin and Greek languages and their influence on English. Topics in history and culture will also be included.

YOUTH-305-1 $209
MTWTh/Jul. 9-19, 1-4 p.m.
Stacy Davidson

Learn How to Play Guitar!
Learn how to play the guitar with Harvey Fitzer, JCCC music professor. This class is intended to provide an introduction to the art of guitar playing and basic skills such as reading music, playing melodies, playing basic chords, using different strumming patterns, tuning a guitar and fingerpicking.

Bring a guitar to class.

YOUTH-404-2 $209
MTWTh/Jul. 9-19, 1-4 p.m.
Harvey Fitzer

Learn to Play the Harmonica
Have fun learning the harmonica. You will learn how to play a song the first day and by the end of the week you will be blowing up a storm. You do not have to know how to read music to take this course.

Bring a 10-hole diatonic harmonica in the key of C.

YOUTH-406-1 $129
MTWTh/Jul. 4-7, 1-4 p.m.
Harvey Fitzer

Minecraft Animators
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 of key framing, tweening, texturing and animating rigged 3-D models. Your projects will be available on a password-protected website to share with friends and family. You do not need to own a Minecraft account to use the software in this class. Mac users can play their project at home, but will not be able to edit the project without a PC.

YOUTH-512-2 $159
MTWTh/Jul. 4-7, 1-4 p.m.
Josh Stock

Minecraft Designers
If you love the game Minecraft, but always wanted to design your own characters and buildings for your games, this class is for you. Learn the basics of creating 3-D models using a new software to design your very own objects, create skins for characters and import them into your favorite Minecraft games. To access your project at home, you must own a PC/ Mac version of Minecraft. Tablet, phone and game console version of Minecraft are not compatible.

YOUTH-509-1 $159
MTWTh/Jul. 9-12, 1-4 p.m.
Josh Stock

Mummy Mystery
Study the process of mummification in ancient Egypt, the Egyptian religion, and tombs and their treasures. Mummies from around the world will be presented as will mummies in the movies. Activities include a mummification experiment, crafting your own Canopic jar, making Egyptian amulets and more! This camp is taught by Kansas City’s only Egyptologist.

Course topics includes body preservation after death and you will see some images of historical mummies. Such images are presented respectfully in order to educate students about mummification and world cultures.

YOUTH-251-2 $129
MTWTh/Jul. 23-26, 1-4 p.m.
Stacy Davidson
Afternoon continued

Music Technology and You
Do you love music … and computers, too? Spend two weeks using a computer and familiarizing yourself with the software currently used to produce music. You’ll learn to operate equipment capable of recording, editing and playing back music using more than 1,500 instruments via the keyboard. You will have the option to record live instruments or vocals.

A recital of student compositions will be performed on the final day.

YOUTH-401-1 $209
MTWTh/Jun. 18-28, 1-4 p.m.
Victor Olvera

Mythology, Myths and Monsters
Explore the history and origins of some of your favorite stories from history. Watch video clips, study books and models and create your own mythological creatures using what you have learned.

YOUTH-262-1 $209
MTWTh/Jun. 4-14, 1-4 p.m.
Keil Hileman

Of Wands and Wizards
This camp is inspired by the Harry Potter book series by J.K. Rowling and the accompanying movie franchise. After being sorted into their houses, you and your classmates will complete coursework in charms, potions, defense against the dark arts, the history of magic and more. Activities include making a wand, writing spells on “parchment,” crafting a house pennant, and designing a 5th House for Hogwarts. The instructor will share photos from her visit to the Harry Potter Studio Tour in Leavesden, UK, and designing a 5th House for Hogwarts. The instructor will share photos from her visit to the Harry Potter Studio Tour in Leavesden, UK, in which the Harry Potter book series was filmed. The instructor will also share photos from her visit to the Harry Potter Studio Tour in Leavesden, UK.

YOUTH-451-4 $139
MTWTh/Jul. 30-Aug. 2, 1-4 p.m.
Stacy Davidson

Paleo Rocks
Calling all future paleontologists! In a partnership with the Museum at Prairiefire, you will experience a very hands-on exploration of geology and paleontology. Time will be spent in the lab and in the field. It’s a fossil-finding experience. Completion of this course gives you eligibility to participate in the Museum’s Overnight Dig and Camp Out in central Kansas taking place June 23 to 24. Find more information about the Dig and Camp Out and additional Paleo Rocks classes at www.museumatpff.org.

YOUTH-616-1 $129
MTWTh/Jul. 4-7, 1-4 p.m.

Public Speaking and Forensics
Learn public speaking techniques and then move into forensics, which will include persuasive, informative and historical speeches. Each day will be filled with fun drama and improv games. Learn to captivate your audience with your speaking and performing skills!

YOUTH-102-1 $129
MTWTh/Jul. 18-21, 1-4 p.m.
Wendy Robinson

Show Me the Money
Look at planning your future based on career, income and debt in order for you to live how you want. Explore education options for your desired occupation, learn about income levels that will pay for your lifestyle, and figure out how to prepare for unexpected costs and dream vacations. It’s never too early to plan ahead.

YOUTH-104-2 $129
MTWTh/Jul. 30-Aug. 2, 1-4 p.m.
Richard Kessler

Sign Language I
Come explore the world of American Sign Language. Learn the alphabet, numbers, colors, and school and conversational signs. Activities will provide a fun and interesting way to start your sign language education.

YOUTH-310-1 $209
MTWTh/Jul. 18-28, 1-4 p.m.
Michelle Hartegan-Mathews

Star Wars Stop Animation
Make your own Star Wars adventure come to life! Bring in your favorite action figures or Star Wars vehicles to 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, bring your dreams to the screen.

You will need to bring in Star Wars action figures or vehicles from home, but all other equipment will be provided.

YOUTH-517-1 $159
MTWTh/Jul. 23-26, 1-4 p.m.
Josh Stock

The Amazing Mural Project
Have you ever wanted to produce a public piece of art? Art impacts communities and reusing materials helps the environment. Work with a group to generate a theme, promote ideas to the college, create a large scale mural out of bottle caps saved from the landfill and install final artwork in a designated space. Names and additional information about the mural will be listed beside the mural. This is truly a unique opportunity to be a part of something amazing.

YOUTH-011-1 $229
MTWTh/Jul. 9-19, 1-4 p.m.
Jessica McLaughlin

Web Cartoon Maker
Using the language of C++ via Web Cartoon Maker you will create a full length animated movie in AVI format which can be converted to DVD or blu-ray or uploaded to YouTube in HD format. Design your own characters, images and sounds or use the existing templates.

YOUTH-520-1 $159
MTWTh/Jul. 18-28, 1-4 p.m.
Denise Spotts

What Are the Odds?
In this introduction to probability and statistics, you will study the basic ideas of data analysis, experimental design, probability and odds, simulation and statistical inference. You will use games of chance to investigate probability, and perform statistical experiments to create, collect and analyze data.

YOUTH-471-2 $129
MTWTh/Jul. 16-19, 1-4 p.m.
Sherry Vore
Afternoon continued

You Tube Moviemaking
Learn the basics of online video/audio production. You will develop the ability to capture video, still images and audio, and be able to edit those elements together to tell a personal story. You will load and manipulate the video in YouTube.

Bring your username and password for your YouTube account to class.

YOUTH-505-2 $249
MTWTh/Jun. 18-28, 1-4 p.m.
Jim Hopper

Friday

Archeology and Artifacts (Friday only)
Get an introduction to the field of archeology. Use your observation skills to study various artifacts and interpret their historical significance. You will clean ancient Roman coins and learn about specific pieces of history to share with your family and friends at the end of the day. If you love history and antiques this class is for you! This is a consolidated version of the Monday through Thursday class.

Bring a lunch and a drink to class.

YOUTH-261-1 $79
F/Jun. 15, 8 a.m.-4 p.m.
Keil Hileman

Beekeeping 101
You will be introduced to the fun and exciting world of beekeeping. In today’s world, there are many beekeeping opportunities and challenges. Gain a good understanding about beekeeping and learn about the many products that come from bees, like honey, pollen and wax. You will also visit the JCCC Bee Yard and explore a working hive. Identify the honey, baby bees, pollen and find the Queen!

It is required that students wear long sleeves, pants and close-toed shoes for the visit to the bee yard.

YOUTH-609-1 $99
F/Jun. 8 and 15, 8 a.m.-noon
Robert Hughes

Chef Training: Ice Cream Sandwiches
Learn to make ice cream and cookies and then put them together to make an excellent sandwich. Pastry Chef Alison Reed will explain the best methods to create the perfect ice cream sandwich.

It is required that students wear pants and close-toed shoes and pull their hair back.

Bring a lunch, drink, and a small cooler to take home your ice cream sandwiches.

YOUTH-201-2 $99
F/Jul. 13, 8 a.m.-2 p.m.
Alison Reed

Chef Training: Cake Creator
Join Chef Damian Fraase in our state-of-the-art Hospitality and Culinary Academy learning to make an entremets style cake. You will learn to create the cake, the filling, construction of the entremets, the enrobing of the cake in a mirror glaze, and then finishing off the cake with tempered chocolate decorations. You will leave with one 8-inch finished cake.

It is required that students wear pants, close-toed shoes and pull their hair back.

Bring a lunch and a drink to class.

YOUTH-200-1 $99
F/Jun. 8, 9 a.m.-2 p.m.
Damian Fraase

Deciphering Egyptian Hieroglyphs
The instructor, a professional Egyptologist, incorporates interactive and innovative approaches to learning this ancient language. Along with language instruction, supplemental topics in history, culture, art and religion will be incorporated into this course. By the end, you will be able to read simple words and phrases, understand the imagery on Egyptian art and artifacts, and gain experience studying a non-Western foreign language.

Bring a lunch and drink to class.

YOUTH-300-2 $79
F/Jul. 13, 8 a.m.-4 p.m.
Stacy Davidson

Take 3 Discount – 15% off when you register in three or more courses in a single transaction.
**Fundamentals of Light and Lasers – Photonics**
Photonics is the physical science of light generation, detection and manipulation. Photonic devices are all around you including fiber optics, photovoltaic cells and lasers. Learn about and use spectroscopes, create an elementary hologram viewer and work with a diode laser system. Laser safety will also be discussed.

*Bring a lunch and drink to class.*

**YOUTH-620-1 $79**
F/Jun. 29, 8 a.m.-4 p.m.
Hugh King

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**It Ain’t Easy Being Green – What Makes Your Garden Grow?**
Aquire the knowledge and skills required to grow plants from seeds, cuttings, leaves, runners and slips. Propagation techniques such as air-layering and serpentine layering will be covered. Additional hands-on activities will include growing microgreens and herb gardening indoors. You will study basics of setting up hydroponic and aquaponic systems and observe existing systems in the Horticultural Sciences Center at JCCC. You will also learn about soilless growing media, potting methods, liners, fertilizers, plant growth regulators and much more.

*Bring lunch and a drink to class.*

**YOUTH-608-1 $79**
F/Jun. 29, 10 a.m.-4 p.m.
Lekha Sreedhar

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**Mythology, Myths and Monsters (Friday Only)**
Explore the history and origins of some of your favorite stories from history. You will watch video clips, study books and models and create your own mythological creatures using what you have learned. You will also create the story or myth behind your creature to share with your family and friends at the end of the day. This is a consolidated version of the Monday through Thursday class.

*Bring a lunch and drink to class.*

**YOUTH-263-1 $79**
F/Jun. 22, 8 a.m.-4 p.m.
Keil Hileman

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**Ultimate Castle Creation**
Have fun planning, designing and experimenting with hundreds of soldiers and Schleich Castle toys. As a class you will display and create one giant castle with more than 14 towers and 600 soldiers.

*Bring a lunch and drink to class.*

**YOUTH-604-1 $79**
F/Jun. 8, 8 a.m.-4 p.m.
Keil Hileman

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**Ultimate Paper Airplanes and Things That Fly (Friday Only)**
You will examine, study, create and play with flying paper airplanes that can be created using paper, glue, scissors, colored pencils and markers. Build multiple new models during the course of the day. Your models are your property and you can take them home at the end of the day. As weather permits, you will participate in flight contests outside and from the second- and third-story balconies in the Carlsen Center.

*Bring a lunch and drink to class.*

**YOUTH-601-1 $79**
F/Jun. 29, 8 a.m.-4 p.m.
Keil Hileman
Grades 9-10 Morning

DNA Camp, Introduction to Biotechnology
DNA Camp is an introduction to the fundamentals of DNA structure and biotechnology laboratory techniques. Explore DNA structure, protein expression and application of biotechnology procedures such as DNA fingerprinting, DNA extraction and DNA electrophoresis.

YOUTH-617-1 $229
MTWTh/Jun. 4-7, 8 a.m.-noon
Laura Fogt, Chris Elniff

YOUTH-617-2 $229
MTWTh/Jun. 11-14, 8 a.m.-noon
Chris Elniff

Grades 9-12 Afternoon

Animation
You will model and texture a spacecraft. Learn how to set up lights, animate the spaceship and add visual effects like sparks, fire and smoke to create a stunning animation. Also learn how to animate the spaceship using key frames and rendering out a completed high resolution movie to show family and friends. This is an introductory course; no prior knowledge of the software is expected.

YOUTH-503-1 $249
MTWTh/Jun. 18-28, 1-4 p.m.
Aaron Garrison

Basic 3-D Modeling and Texturing for Games
An introduction to the process of creating low poly assets and textures for games. Learn the basic work pipeline of simple 3-D modeling, unwrapping simple 3-D objects, techniques for creating stylized painted textures, the process of exporting and importing for games, and creating graphic renderings of the work you create.

YOUTH-523-1 $249
MTWTh/Jul. 9-19, 1-4 p.m.
Aaron Garrison

Game Level Design
You will create an exciting game level in UDK. Learn how to set up lights, add weapons, vehicles, ammo and health items. You will also figure out how to create portals, jump pads and animate elevators and doors. At the completion of this course you will be able to create new and exciting game levels using state-of-the-art technology. This is an introductory course; so no prior knowledge of software is expected.

YOUTH-504-2 $249
MTWTh/Jun. 4-14, 1-4 p.m.
Aaron Garrison

Grades 9-12 Friday

Basic Car Care and Maintenance
Your car represents freedom, but when it breaks down you are back to relying on your parents. Learn how to identify vehicle components and their functions, understand a car handbook, manuals and servicing requirements, perform vehicle checks, locate and check vehicle fluids, check tire air pressure and tread-depth, and how to change a tire.

It is required that students wear pants and close-toed shoes and pull their hair back.

YOUTH-750-1 $59
F/Jun. 22, 8 a.m.-noon
Heather Hale

Basic Small Engine Repair
Small engines power a variety of vehicles and outdoor equipment you may use, including motorcycles, boats, snow blowers, portable generators, lawn mowers, chainsaws and leaf blowers. Learn how to troubleshoot and repair common problems found with small engines, including both two-stroke and four-stroke internal combustion engines.

It is required that students wear pants and close-toed shoes and pull their hair back.

YOUTH-751-1 $59
F/Jul. 20, 8 a.m.-noon
Heather Hale

Take 3 Discount – 15% off when you register in three or more courses in a single transaction.
Grades 10-12

Morning

Bring Your ‘A’ Game to Work
Learn foundational habits that help you develop strong skill sets for employment and internships. The activities are designed for those with no or limited experience in the workforce, and the lessons are developed to help you begin cultivating work ethic skills for a lifetime. Complete a mastery exam and have the opportunity to earn a Certificate of Work Ethic Proficiency which reflects your understanding of work ethic.

YOUTH-152-1 $159
MTWTh/Jun. 25-28, 8 a.m.-noon
Jennifer Schmidt

Career and College Preparation 101
Uncertain about what you want to do after high school? A little stressed by not having a focused direction? If so, this is a perfect seminar for you! This will be a fun yet informative way for you to identify your unique strengths and interests and recognize how they relate to possible career and education paths. You will take a personality assessment and career interest assessments and also identify your work-related values and skills. Learn about the process of determining optimal education options and value of lifelong learning.

YOUTH-151-1 $179
MTWTh/Jun. 18-21, 8 a.m.-noon
Jennifer Schmidt

Sign Language II
Expand your knowledge of American Sign Language and build on previously learned basic vocabulary and conversational skills while refining expressive and receptive fingerspelling. Gain a greater understanding of the Deaf community and its culture by taking a field trip to the Deaf Cultural Center in Olathe. Lessons will be interactive and incorporate a variety of learning activities such as art projects, games, group work, computer activities and short videos.

YOUTH-311-1 $129
MTWTh/Jun. 16-19, 8 a.m.-noon
Michelle Hartegan-Mathews

Afternoon

Intro to Digital Audio and Recording
Designed to further develop skills acquired in Music Technology and You, you will practice using ProTools digital audio software to record, edit and play back music. Learn basic concepts of audio editing and create recordings of your own music.

Prior attendance of Music, Technology and You or ProTools experience required.

YOUTH-403-1 $129
MTWTh/Jun. 23-26, 1-4 p.m.
Victor Olvera

Learn How to Play Guitar!
Learn how to play the guitar with Harvey Fitzer, JCCC music professor. This class is intended to provide an introduction to the art of guitar playing and basic skills such as reading music, playing melodies, playing basic chords, using different strumming patterns, tuning a guitar and fingerpicking. Bring a guitar to class.

YOUTH-404-2 $209
MTWTh/Jul. 9-19, 1-4 p.m.
Harvey Fitzer

Music Technology and You
Do you love music … and computers, too? Spend two weeks using a computer and familiarizing yourself with the software currently used to produce music. You’ll learn to operate equipment capable of recording, editing and playing back music using more than 1,500 instruments via the keyboard. You have the option to record live instruments or vocals. A recital of student compositions will be performed on the final day.

YOUTH-402-1 $209
MTWTh/Jul. 4-14, 1-4 p.m.
Victor Olvera

Sign Language I
Come explore the world of American Sign Language. Learn the alphabet, numbers, colors, and school and conversational signs. Activities will provide a fun and interesting way to start your sign language education.

YOUTH-310-1 $209
MTWTh/Jun. 18-28, 1-4 p.m.
Michelle Hartegan-Mathews
YouTube Moviemaking
Learn the basics of online video/audio production. You will develop the ability to capture video, still images and audio, and be able to edit those elements together to tell a personal story. You will load and manipulate the video in YouTube.

Bring your username and password for your YouTube account to class.
YOUTH-505-2 $249
MTWTh/Jun. 18-28, 1-4 p.m.
Jim Hopper

Grades 10-12 Friday

Beekeeping 101
You will be introduced to the fun and exciting world of beekeeping. In today’s world, there are many beekeeping opportunities and challenges. Gain a good understanding about beekeeping and learn about the many products that come from bees, like honey, pollen and wax. You will also visit the JCCC Bee Yard and explore a working hive. Identify the honey, baby bees, pollen and find the queen!

It is required that students wear long sleeves, pants and close-toed shoes for the visit to the bee yard.
YOUTH-609-1 $99
F/Jun. 8 and 15, 8 a.m.-noon
Robert Hughes

Chef Training: Ice Cream Sandwiches
Learn to make ice cream and cookies and then put them together to make an excellent sandwich. Pastry Chef Alison Reed will explain the best methods to create the perfect ice cream sandwich.

It is required that students wear pants and close-toed shoes and pull their hair back.
Bring a lunch, drink, and a small cooler to take home your ice cream sandwiches.
YOUTH-201-2 $99
F/Jul. 13, 8 a.m.-2 p.m.
Alison Reed

Fundamentals of Light and Lasers – Photonics
Photonics is the physical science of light generation, detection and manipulation. Photonic devices are all around you, including fiber optics, photovoltaic cells and lasers. Learn about and use spectroscopes, create an elementary hologram viewer and work with a diode laser system. Laser safety will also be discussed.

Bring a lunch and drink to class.
YOUTH-621-1 $79
F/Jul. 13, 8 a.m.-4 p.m.
Hugh King

It Ain’t Easy Being Green – What Makes Your Garden Grow?
Acquire the knowledge and skills required to grow plants from seeds, cuttings, leaves, runners and slips. Propagation techniques such as air-layering and serpentine layering will be covered. Additional hands-on activities will include growing microgreens and herb gardening indoors. Study the basics of setting up hydroponic and aquaponic systems and observe existing systems in the Horticultural Sciences Center at JCCC. You will also learn about soilless growing media, potting methods, liners, fertilizers, plant growth regulators and much more.

Bring lunch and a drink to class.
YOUTH-608-1 $79
F/Jun. 29, 10 a.m.-4 p.m.
Lekha Sreedhar
Emergency Contact Information

All participants under the age of 18 in the Summer Youth Enrichment Program must have an Emergency Notification Form (ENF) on file. The ENF is incorporated into the online registration. For those who register by phone, in person or by mail, please visit www.jccc.edu/youth to complete the online or paper form. Instructions to submit a printed copy are located at the top of the form. Forms must be completed (only once) yearly.

Refund Policy

A refund will be honored if the cancellation request is received in the JCCC Continuing Education Registration office four business days before the course begins by calling 913-469-2323. The full refund policy is available on our website.

Student Conduct

Our policy requires that disruptive students be removed from course. If necessary, we will call parents for early pick up. Tuition refunds are not granted to students who are permanently removed from class.

Special Requests

JCCC is committed to providing assistance to those with disabilities. If you desire auditory, visual or mobility assistance, contact Access Services at 913-469-3521 or email accessservices@jccc.edu. The Access Services office is located on the 2nd floor of the Student Center. To request an interpreter, email and place “interpreter request” in the subject line or call using relay services. A 72-hour advance notice is requested.

Drop Off and Pick Up Procedures

For the safety of your child, all students 12 and under will need a parent/guardian to come inside to drop off and pick up their child to and from the JCCC classroom he/she will be attending. There will be a sign-in, sign-out log you will complete. Call the student enrichment program at 913-469-4420 if you have any questions or concerns. Your child must be picked up promptly after class.

1. It is recommended that you arrive 10 minutes before your child’s class begins.
2. For course location, please visit www.jccc.edu/maps.
3. Look for staff to direct you to your child’s classroom where you will sign in your child.
4. Follow the same procedures for the sign-out process.

Lunch and snacks

If your child is registered in a morning and afternoon course, please register him/her in the supervised lunch, regardless of age.

Students registered in supervised lunch and full-day courses must bring a sack lunch and a drink.

No students registered in our programs are allowed to be unsupervised on campus at any time. Campus Dining Services are not available to summer youth participants.

Healthy snacks and water bottle (labeled with student’s name) are encouraged. Vending machines are off limits due to risk of losing money and unhealthy choices. Please do not send any snack or product containing nuts.
Heartland Chamber Music Festival and Audition

The summer festival is an exciting nine days of chamber music, orchestra, master classes, music history, student, faculty performances and more! Each summer advanced string and piano students, ages 12 to 24, are selected by audition to work one-on-one with internationally renowned faculty members who have gathered for the festival with the purpose of inspiring and nurturing students development. The joy of their experience has proven to enlighten students’ interest in music and the arts, and the friendships they make during the process sometimes last a lifetime!

9 a.m.-4 p.m. Jul. 27-Aug. 4
Tuition/audition fees: heartlandchambermusic.org

Heartland Chamber Music Junior Festival and Audition

Heartland Chamber Music hosts six exciting days of chamber music coaching and chamber orchestra for selected string and piano students ages 15 and under. Students audition and are placed into a small chamber ensemble and work one-on-one with faculty in preparation for the final concert.

Noon-4:30 p.m. Jul. 28-Aug. 2
Tuition/audition fees: heartlandchambermusic.org

Have an extraordinary All Arts Day! JCCC offers programs for families, camps and school groups interested in combining a campus visit with a world-class performance and an interactive visual art experience. Call CAV leaders at 913-469-8500, ext. 4141, for details.

Get creative at the Nerman Museum!

Art Classes for Youth

Early Explorations classes (ages 5-7) and Contemporary Creations classes (ages 8-11) combine engaging, interactive tours with hands-on studio projects, and students explore different topics each week. Discover JCCC’s diverse and nationally acclaimed permanent collection and exhibitions in the Nerman Museum.

*Some summer classes meet four times, $60 per session.
*$15 per session/$10 for members of the Nerman Museum.

Pre-registration is required.

Saturdays, January-April
Weekdays, June-July
Saturdays, September-December
10 a.m.-noon or 2-4 p.m.

FREE admission, FREE NMOCA Kids Family Guide
FREE guided tours are available for groups kindergarten and older.
FREE self-guided activity booklets (K-6th grade) are available by request.

Visit the Museum’s website to make a reservation.
Email tours@nermanmuseum.org
Summer Youth 2018
Courses will fill fast.
Register today!
jccc.edu/youth

JCCC CONTINUING EDUCATION

Driver Education

Need options to fit your busy schedule?
JCCC offers quality face-to-face courses. Multiple- and single-day class options available. Plus, get up to six hours of scheduled behind-the-wheel drive time with our state-certified instructors.

- No permit required
- Most students finish in under six weeks
- Options to fit your busy schedule
- Customized behind-the-wheel lessons to ensure student success
- Same instructor from start to finish

For more information, call 913-469-3836.
Check www.jccc.edu/ce for class dates and times.