SUMMER 2013
College for Kids & Teens

Creative Arts
Humanities/Social Science
Languages & Cultures
Math & Computers
Science

SCE-KIDS.UWM.EDU
POWERFUL IDEAS
PROVEN RESULTS
What is College for Kids and College for Teens?
College for Kids (CFK), through the School of Continuing Education (SCE), is a hands-on enrichment program for children in grades K5-8, who have high academic potential, motivation, a talent, or an interest in computers, math, science, languages, creative arts and humanities. Now in its 33rd year, the program consists of one and two-week classes taught by UW system faculty or highly qualified and experienced instructors. All programs at UW–Milwaukee provide an "academic edge." Class size is limited to 16 students unless otherwise noted.

College for Teens (CFT) is the same great program as CFK but for students entering grades 9-12. (*Classes may include grades 6-8.)

Please note, Kindergartners must be five years old by June 10 and must have prior five-days-a-week school experience. When registering for CFK or CFT, use Fall 2013 grade levels.

Program Information

When are Classes?
Classes are Mon.-Fri., June 17-Aug. 9 and are held on the UWM campus, unless otherwise noted. Specific class dates/times are included in course descriptions.

Registration Policy
Once your child/teen is registered there are no refunds or transfers. Refunds are made only for classes cancelled by CFK/CFT.

CFK/CFT offers summer discounts. The more you enroll, the less you pay.

2013 Summer Discounts!
Frequent Student Discounts
• Register for three to five classes and receive $10 off each class.
• Register for six or more classes and receive $20 off each class.

Must register for classes together to receive discounts.

How Do I Register?
Registration opens each year on Jan. 15. Call, fax in your registration, or go online to sce-kids.uwm.edu. (Mailed registrations add several days to the registration process and lessen the likelihood of availability in your desired class.) If Jan. 15 falls on a holiday or weekend it will open the next business day.

Confirmation of Registration
Within two weeks of your registration, your receipt and parental permission forms are mailed to you for completion and return. All participants are encouraged to have their own health insurance as limited secondary accident insurance is provided by the University.

Before and After Care
• Early Morning Drop-Off: 7:30-9am - $25/week or $45/two week session
• Late Afternoon Pick-Up: 4-5:30pm - $25/week or $45/two week session

We offer two options to make things easier for kids and parents. For a minimal charge, supervised care is available before and after the program day. So come early or stay late, however you must sign up for the whole week.

Before Care (7:30-9am) and After Care (4-5:30pm) will meet in the Union Terrace Room. Chaperoning child to or from class is included in this fee.

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Before and After Care Fines
• Early Morning Drop-Off: $25
• Late Afternoon Pick-Up: $25

CFK/CFT offers summer discounts. The more you enroll, the less you pay.

2013 Summer Discounts!
Frequent Student Discounts
• Register for three to five classes and receive $10 off each class.
• Register for six or more classes and receive $20 off each class.

Must register for classes together to receive discounts.

Classes that do not reach sufficient enrollment by May 15 will be canceled. Please register before this date to ensure classes run.

SCE  |  All classes held on UWM campus unless otherwise noted.
Please use the grid below to organize your child’s schedule. This will help prevent registering for two classes at the same time.

Child’s Name _______________________________________________________________________

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**Week 1**  
June 17-21

**Week 2**  
June 24-28

**Week 3**  
July 8-12

**Week 4**  
July 15-19

**Week 5**  
July 22-26

**Week 6**  
July 29-Aug. 2

**Week 7**  
Aug. 5-9

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**Please note:** College for Kids/College for Teens only supervises students while they are enrolled in a class or are registered for before and after care. Students enrolled in back-to-back classes or before and after care will be chaperoned to their next destination. No extended supervision (longer than the 30 minutes between consecutive class times) is available between 9am-4pm for those not enrolled in class during any part of the day.

**Please have your child bring a copy of this schedule to class each day so we can make sure they get to the correct class.**

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<tr>
<th>ABOUT THE PROGRAM</th>
<th>CLASS DESCRIPTIONS</th>
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sce-kids.uwm.edu | 414-227-3360
**Kindergartners must be five years old by June 10 and must have prior five-days-a-week school experience.**

### June 17-28  Session I

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### July 29-Aug. 2  Discovery Camp 3

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### June 24-28  Discovery Camp 1

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### Schedule at a Glance

- **June 24-28:** Discovery Camp 1
- **July 22-Aug. 2:** Session III (Cont.)
- **July 15-19:** Discovery Camp 2
- **July 29-Aug. 2:** Discovery Camp 3

* Classes for grades 6-12  
  sce-kids.uwm.edu  | 414-227-3360  
  5
July 29-Aug. 2  Discovery Camp 3 (Cont.)

11:30am-1:30pm  
Come Read with Me  K5-2  8410-0097 $94  16
Wonders of the Coral Reef  K5-2  8410-0098 $94  28
Architectural Model Building  3-5  8410-0099 $94  15
Chemistry & Beyond  3-5  8410-0100 $94  31
Japanese  3-5  8410-0101 $94  20
Advanced Web Page Design  6-8  8410-0102 $94  22
Meteorology  6-8  8410-0103 $94  28
Those Amazing Flying Machines  6-8  8410-0104 $94  16
It's Electric  9-12  8440-4021 $94  27
Wall Street  9-12  8440-4022 $94  26

2-4pm  
Japanese  K5-2  8410-0105 $94  20
Writing is Magic  K5-2  8410-0106 $94  17
Creating with Found Objects  3-5  8410-0107 $94  11
Fit Finances  3-5  8410-0108 $94  25
Wonders of the Coral Reef  3-5  8410-0109 $94  28
Spanish Immersion  6-8  8410-0110 $94  26
Sports Greatest Moments  6-8  8410-0111 $94  16
Where Should My Money Go?  6-8  8410-0112 $94  26
Advanced Web Page Design  9-12  8440-4023 $94  22
Architectural Model Building  9-12  8440-4024 $94  15

Aug. 5-9  Discovery Camp 4

8am-4pm  
One- Week WATER Field Adventure – Marine Mussel Mystery  4-8  7930-1005 $349  8

9am-11am  
American Sign Language  K5-2  8410-0113 $94  19
Dinosaur Detectives  K5-2  8410-0114 $94  17
Passionate about Play-Doh?  K5-2  8410-0115 $94  13
Biology  3-5  8410-0116 $94  27
Nose for News  3-5  8410-0117 $94  17
Piñata Pizzazz  3-5  8410-0118 $94  12
Common Cents Math  6-8  8410-0119 $94  25
Compelling Camera Shots  6-8  8410-0120 $94  12
Everyday Science  6-8  8410-0121 $94  27
Shipwrecks  6-8  8410-0122 $94  18
*Music in Pop Culture  6-12  8410-0123 $94  11
Career Discovery  9-12  8440-4026 $94  19

9am-4pm  
Japanese  9-12  8440-4025 $94  21

11:30am-1:30pm  
How Do You Know?  K5-2  8410-0124 $94  29
I Wanna Be...  K5-2  8410-0125 $94  15
Math & Memory Games  K5-2  8410-0126 $94  24
American Sign Language  3-5  8410-0127 $94  19
Chemistry & Beyond  3-5  8410-0128 $94  31
Weaving: Warped & Wonderful  6-8  8410-0130 $94  27
Biology  6-8  8410-0131 $94  12
Piñata Pizzazz  6-8  8410-0132 $94  15
Public Speaking  6-8  8410-0133 $94  12
Compelling Camera Shots  9-12  8440-4027 $94  22
Everyday Science  9-12  8440-4028 $94  27

2-4pm  
Little Chemists  K5-2  8410-0134 $94  16
Tickets & Passports  K5-2  8410-0135 $94  20
Underwater Adventures in Art  3-5  8410-0136 $94  14
Compelling Camera Shots  3-5  8410-0137 $94  22
Fun2  3-5  8410-0138 $94  25
I Wanna Be...  3-5  8410-0139 $94  15
American Sign Language  6-8  8410-0140 $94  19
Geometry & Spatial Sense  6-8  8410-0141 $94  23
*Calligraphy  6-8  8410-0142 $94  32
Biology  6-8  8410-0143 $94  10
Maximizing Memory  9-12  8440-4029 $94  27

Special Program Dates

June 24-28, 9am-1:30pm  
The Writing Project – Young Writer’s Camp  5-8  8410-0438 $179  8
Stanley $199  21

June 24-28, 9am-4pm  
Spanish Intensive Spanish for Beginners  9-12  8440-4407 $249  21

June 24-28, 9am-3:30pm  
The UWM Writing Project – Teen Writing Academy  9-12  8440-4014 $179  8

July 24-28, 9am-4pm  
German  9-12  8440-4045 $249  21

July 15-19, 9am-4pm  
American Sign Language  6-12  8410-0071 $299  7

July 15-19, 9am-4pm  
*Archaeology Field School  9-12  8440-4007 $329  7

July 22-Aug. 1, 9am-1:30pm  
Adventures in Aquaponics (This class will not meet on Fridays, Mon.—Thurs. only)  9-12  8440-4012 $185  7

July 22-Aug. 2, 2-4pm  
Mini-Courses Summer ACT Preparation Class  **11-12  8440-4012 $185  7

July 22-Aug. 2, 9am-11am & Aug. 5-9, 9am-4pm  
Movin’ to the Music  5-8  8410-0038 $295  9

July 22-Aug. 2, 11:30am-1:30pm & Aug. 5-9, 9am-4pm  
Magic on the Move  5-8  8410-0048 $295  9

July 22-Aug. 2, 2-4pm & Aug. 5-9, 9am-4pm  
Traveling Theatre Troupe  5-8  8410-0059 $295  9

July 29-Aug. 2, 9am-4pm  
Korean  9-12  8440-4020 $249  21

Aug. 5-9, 8am-4pm  
Jason Project  4-8  7930-1005 $349  8

Aug. 5-9, 9am-4pm  
Japanese  9-12  8440-4025 $249  21

SCHEDULE AT A GLANCE

Creative Arts
Pedestrian/Social Sciences
Languages & Cultures
Math & Computers
Science
Adventures in Aquaponics!

Have you participated in an aquaponics program or project at school and WANT TO LEARN EVEN MORE? Find out about all the behind-the-scenes science that is making aquaponics front page news in the field of science and technology! This two-week workshop will take your aquaponics knowledge to the next level!

The summer workshop will be held **Monday - Thursday** from 9am-1:30pm from July 22 - August 1. Topics may include:

- Life Cycle of Food
- Chemistry of Water
- Study of Lake Michigan
- Aquaponics equipment
- Food safety
- Animal Protection
- Effects of Mercury on Human Health
- Fishing Habits of ethnic groups
- Aquaponics in the Water-Centric Sustainable City of the Future

Up to FOUR fieldtrips will be included!
Trips may include:

- Cruise on the Dennis Sullivan
- Sweetwater Organics
- School of Freshwater Sciences
- Discovery World

**Fee:** $325
Karin Gratz
Session III (Monday-Thursday only), 9am-1:30pm
Gr. 9-12, Prog. No. 8440-4007
**Note:** This workshop is most appropriate for students who have worked on an aquaponics project in the past and/or have a good understanding of aquaponics.

Archaeology Field School

One of our most popular classes returns this summer with a twist. After 10 years of excavations, work with scientists as we analyze our finds and tell the rest of the story of Trimborn Farm. The adventure begins on campus with an orientation to archaeology and the early history of Milwaukee followed by lab work with the artifacts. We will spend two days at the dig site to complete our stories of Trimborn Farm. This class is offered in cooperation with the UWM Archaeology Field School and the UWM Archaeological Research Laboratory.

**Fee:** $299
Jocelyn Boor
July 15-19, 9am-4pm
*Gr. 6-12, Prog. No. 8410-0071

Mini-Courses Summer ACT Preparation Class

**Prerequisite:** Students must have a core GPA of 2.0

Designed to help prepare 11th and 12th graders for the official ACT college entrance exam. Students cover math, reading, writing, science reasoning and test-taking strategies. A scheduled unofficial ACT pre- and post-test experience is included. Call the Mini-Course office directly at (414) 229-6236 to schedule the pre-test. Enrollment Limit: 30 students

**Fee:** $185
Instructor: TBA
Session III, 2-4pm
Gr. 11 & 12 only, Prog. No. 8440-4012

* Classes for grades 6-12
The UWM Writing Project - Young Writers’ Camp

Back by popular demand, the University of Wisconsin-Milwaukee Writing Project (UWMWP) is sponsoring a camp for aspiring writers entering grades 5-8. Meet each day in writing groups facilitated by experienced writers and teachers whose common goal is to inspire the imagination and have fun! Students of all writing abilities are welcome. Write daily in a creative, supportive environment.

- Explore a variety of genres, including poetry, short stories, plays, graphic novels, essays, and more
- Learn writing techniques used by professional writers
- Receive individual instruction and response in small groups from UWMWP writing teachers
- Meet and share writing with young writers from throughout the county
- Engage in process writing: generating ideas, drafting, revising, editing, and publishing

Young Writers’ Camp culminates in a celebration of writing and an opportunity to share your favorite pieces! Past participants are encouraged to attend!

Fee: $179
Instructors: UWMWP approved
Discovery Camp 1, 9am-1:30pm
Gr. 5-8, Prog. No. 8410-0438
Students will have a 45 minutes supervised lunch break each day. Please bring your bag lunch with you or you will need to have permission to leave unattended to eat at the student union on your own.

The UWM Writing Project - Teen Writing Academy

Meet each day in groups facilitated by experienced writers and teachers whose common goals are to inspire the imagination, develop as writers and have fun! Writers will:

- Explore a variety of genres, including poetry, short stories, plays, graphic novels and essays
- Choose a genre on which to produce a final, polished piece of writing
- Learn writing techniques used by professional writers
- Receive individual instruction and response in small groups
- Engage in process writing: generating ideas, drafting, revising, editing and publishing writing
- Submit writing to the Scholastic Writing Competition with the chance to win college scholarships
- Celebrate our writing with a culminating community event designed to share our writing with parents, teachers and peers

You are required to identify a genre of focus for the week (poetry, fiction, narrative or essay), and are required to bring at least one piece or writing (completed or in progress) to the first day of the academy.

Fee: $179
Instructors: TBA
Discovery Camp 2, 9am-1:30pm
Prog. No. 8440-4014

One-Week WATER Field Adventure – Marine Mussel Mystery

Freshwater Ecosystem & Investigative Reporting for 4th-8th Graders

REAL PROBLEM: During the last 10 years the Great Lakes Basin and the surrounding freshwater areas have been inundated by the introduced species, the zebra mussel! Millions of these mussels have crowded out native species, cleared the water column and posed a danger to the water system. NOW they have become the hunted! A new introduced mussel called the quagga is the invader.

REAL CHALLENGE: Imagine you and your team of investigative reporters are challenged to determine who ecologically wins, the zebra mussel or the quagga mussel and to tell the story to others. To do this you and your team must mount an investigation using video, digital images and your knowledge of science to search the Milwaukee River, the River Basin, and Lake Michigan to locate those dreaded invaders, and identify the abiotic and biotic factors that support them. You must put your scientific knowledge and journalistic skills together to identify what these mussels need to live on Lake Michigan and then track them down.

Fee: $349
Liz Sutton
Aug. 5-9, 8am-4pm
Gr. 4-8, Prog. No. 7930-1005
Note: This class meets at the UWM School of Continuing Education, 161 W. Wisconsin Ave., Milwaukee, WI 53203

All classes held on UWM campus unless otherwise noted.
TRAVELING SHOWTIME!

Get your show on the road! Share the stage and display your new found acting talent. Light up the stage in this newly designed course, as all three programs travel together to perform on the road. Movin’ to the Music, Magic on the Move and Traveling Theatre Company classes will travel to different areas of the city putting on performances that are sure to “wow” the crowd! During the final week, Aug. 5-9, the company meets from 9am-4pm, performing twice daily for a variety of audiences throughout the Milwaukee areas. As of print time the locations have not yet been secured, but past performances have been at Betty Brinn Museum, Mitchell Park Domes and State Fair. Locations this year will be similar to the past. Transportation to and from the campus and performances is provided during the final week of performances.

Movin’ to the Music

College for Kids, in association with UWM’s Department of Theatre and Dance–Peck School of the Arts, welcomes, Movin’ to the Music! This exciting multi-performance touring company seeks students who love to dance. Rehearsals/classes meet July 22-Aug. 2, 9-11am, on the UWM campus. If you feel the beat and love to dance, then this class is for you! Several dances (beginner level) will be taught, including jazz, swing and hip hop, and then performed for other kids and programs all around Milwaukee. (No previous dance training required.)

Fee: $295
Nancy Weiss McQuide
July 22-Aug. 2, 9-11am
and Aug. 5-9, 9am to 4pm
Gr. 5-8, Prog. No. 8410-0038
Note: This program requires all day attendance during the final week of performances at off campus sites.

Magic on the Move

Magic on the Move now in its fourth year will join the new Movin to the Music and Traveling Theatre Troupe Programs which will perform around the community during its final week of class. Class entry is open to anyone entering 5-8th grade in the fall. Rehearsals/classes meet July 22-Aug. 2, 11:30am-1:30pm, on the UWM campus. This unique and dynamic program offers an enriching “magical” experience, from auditions to classes, and from rehearsals to the final show! Come “wow” the crowd with your amazing new abilities.

Fee: $295
Professor Pinkerton
July 22-Aug. 2, 11:30am-1:30pm
and Aug. 5-9, 9am to 4pm
Gr. 5-8, Prog. No. 8410-0048
Note: This program requires all day attendance during the final week of performances at off campus sites.

Traveling Theatre Troupe!

College for Kids, in association with UWM’s Department of Theatre and Dance–Peck School of the Arts, welcomes the Traveling Theatre Troupe, July 22-Aug. 9. We will now begin our 12th season; this exciting multi-performance touring company seeks aspiring actors entering grades 5-8 next fall. Rehearsals/classes meet July 22-Aug. 2, 2-4pm, on the UWM campus. This unique and dynamic program offers an enriching theatre experience, from auditions to classes, and from rehearsals to the final show!

Fee: $295
Matthew Konkel
July 22-Aug. 2, 2-4pm
and Aug. 5-9, 9am to 4pm
Gr. 5-8, Prog. No. 8410-0059
Note: This program requires all day attendance during the final week of performances at off campus sites.
Advanced Drawing

Can you draw? Do you want to turn your basic drawings into a drawing that has value shading and three-dimensional depth? Advanced Drawing is the class that will take your drawing skills on a new journey. You will work with a variety of drawing materials to create realistic drawings. You will also gain drawing knowledge for proportionate drawings.

Fee: $94
Ming Yon Blackwell
Discovery Camp I, 2-4pm
Gr. 6-12, Prog. No. 8410-0454

Caricature Creations NEW!

A caricature is a portrait that exaggerates or distorts the essence of a person, animal or object to create an easily identifiable visual likeness. Caricatures can be insulting or complimentary and can serve a political purpose or be drawn solely for entertainment. Caricatures of politicians are commonly used in editorial cartoons while caricatures of movie stars are often found in entertainment magazines. Come put your imagination to the test as you discover the “caricature” within you.

Fee: $94
Natasha Flatoff
Discovery Camp I, 9-11am
Gr. 6-12, Prog. No. 8410-0437

Beginning Filmmaking

In this hands-on starter filmmaking program you will gain knowledge in all aspects of making a movie including writing, production, composition, editing and presentation while learning filmmaking technique. You’ll complete at least one short film.

Fee: $144
Matthew Konkel
Session I, 9-11am
Gr. 3-5, Prog. No. 8410-0404
Session I, 11:30am-1:30pm
Gr. 9-12, Prog. No. 8440-4404
Session I, 2-4pm
Gr. 6-8, Prog. No. 8410-0427

Comic Connections

Create your own characters and learn how to place them in your own unique comic book.

Fee: $94
Instructor TBA
Discovery Camp II, 2-4pm
Gr. 6-8, Prog. No. 8410-0085
Discovery Camp III, 9-11am
Gr. 3-5, Prog. No. 8410-0090

Comic Creations

Learn about a different artist every day and incorporate that artist’s style into pieces of artwork. You will use materials such as paint, clay and other materials similar to what the artist used or uses.

Fee: $144
Erin O’Connell
Session III, 11:30am-1:30pm
Gr. 3-5, Prog. No. 8410-0045
Session III, 2-4pm
Gr. 6-8, Prog. No. 8410-0060

Comic Connections

Create your own characters and learn how to place them in your own unique comic book.

Fee: $94
Instructor TBA
Discovery Camp II, 2-4pm
Gr. 6-8, Prog. No. 8410-0085
Discovery Camp III, 9-11am
Gr. 3-5, Prog. No. 8410-0090

CFK/CFT Panther Glee Club

Gleeks wanted! Do you like to sing and dance? Join the craze as you learn songs and create a performance for family and friends. You and your new friends will amaze everyone with your energy and talent.

Fee: $144
Mary Husslein
Session I, 9-11am
Gr. 6-12, Prog. No. 8410-0410

Calligraphy: The Art of Fine Handwriting

In the 21st century, word processors may be foretelling the ruin of fine handwriting. Join us as we learn the art of beautiful (Kalli-) writing (graphein), producing our own thank you notes, greeting cards, and more.

Fee: $94
Instructor TBA
Discovery Camp II, 2-4pm
Gr. 6-12, Prog. No. 8410-0096
Angela Perrow
Discovery Camp IV, 2-4pm
Gr. 6-12, Prog. No. 8410-0143

Multiple Grade Levels

Classes are organized by grade level as well as by subject area. If there is a class offered for multiple grade levels it will be listed below. However, other courses are available specific to an age group in the coming pages. Please note that the curriculum will be appropriate for each grade level and course content complexity increases at each increased grade level offering.
Creating With Found Objects

The artistic version of the “Midas Touch” is the ability to transform discarded trash into artistic treasure. Create exciting works of art using natural and man-made things you might find in your attic, yard, junk drawer or other nooks and crannies.

Fee: $144
Erin Maddox
Session II, 9-11am
Gr. K5-2, Prog. No. 8410-0002
Fee: $94
Instructor TBA
Discovery Camp 3, 2-4pm
Gr. 3-5, Prog. No. 8410-0107

Dance Fun for Everyone

Moving to different types of music is a lot of fun, and good exercise too. Study basic and beginner dance steps in folk dance, musical theater, and especially hip-hop, and learn to rock the house!

Fee: $94
Ceci Scalish
Discovery Camp 2, 11:30am-1:30pm
Gr. 3-5, Prog. No. 8410-0074
Discovery Camp 2, 2-4pm
Gr. K5-2, Prog. No. 8410-0080

Get Ready, Set, Paint!

Let’s take a time machine back to the 1800’s to discover how Vincent Van Gogh drew, the colors he saw, and how he made and mixed his paints. We will paint indoor and outside. You’ll make your own miniature gallery as part of an exhibit for the last day of class. No painting experience necessary.

Fee: $144
Erin O’Connell
Session II, 9-11am
Gr. 3-5, Prog. No. 8410-0004
Session II, 2-4pm
Gr. K5-2, Prog. No. 8410-0024

Intro to Improv

This introductory class will focus on the fundamentals of improvisation in a safe and positive class environment. Intro to Improv incorporates movement-based exercises, scene-work and group exercises to explore the primary fundamentals of improvisation, making you more confident, trusting and graceful on stage. The class emphasizes creating a rich environment for your scenes, committing to your decisions and your scene partner and beginning with the body as inspiration. There will be a final Improv performance for friends and family.

Fee: $144
Matthew Konkel
Session II, 9-11am
Gr. 9-12, Prog. No. 8440-4003
Session II, 11:30am-1:30pm
Gr. 6-8, Prog. No. 8410-0017
Session II, 2-4pm
Gr. 3-5, Prog. No. 8410-0028

Latin Dance NEW!

Do you love Latin music but are unsure how to dance to it? We have just what you need. From Salsa to Samba, you’ll learn the fundamentals of great Latin moves and be able to ¡Baila! your way across the dance floor. Solo work to partner work, you’ll be able to dance to an entire number with ease. By the end of this class, you’ll look like a pro. Great music, great moves, great fun! ¡Ven a bailar con nosotros! Come dance with us!

Fee: $144
Ceci Scalish
Session III, 11:30am-1:30pm
*Gr. 6-12, Prog. No. 8410-0051

Music in Pop Culture NEW!

This class will focus on the music we listen to every day, touching on different styles, artists and groups that populate our society. What makes these songs popular? Why are they catchy? Where are these songs played and how do they infiltrate and affect society? Listen to songs in your generation, your parents’ generation and even your grandparents’ generation and dive into the culture and theory of these great songs and musicians, looking at what made them tick then and what makes them tick today.

Fee: $94
Mary Husslein
Discovery Camp 4, 9-11am
*Gr. 6-12, Prog. No. 8410-0123

* Classes for grades 6-12
Musical Theatre  NEW!
Love to sing? Love to dance? Love to act? Well, you can do them all in Musical Theatre. We’ll show you how to perform just like the pros in Broadway. From acting out a great scene to singing and dancing in a group or solo number, learn the secrets of giving a great performance during a musical. So warm up those vocal chords, brush up your facial expressions and dust off your dancing shoes! Musical Theatre is waiting for a star like you!

Fee: $144
Instructor: Ceci Scalish
Session II, 9-11am
*Gr. 6-12, Prog. No. 8410-0010

Origami
Learn the traditional Japanese art of paper folding. Make different creatures, animals and other cool objects by simply folding paper! No glue, no tape, no scissors! All you need is a square of paper, your hands and your imagination!

Fee: $94
Instructor: TBA
Discovery Camp 4, 11:30am-1:30pm
*Gr. 6-12, Prog. No. 8410-0133

Passion for Fashion
Explore the world of fashion from your summer sandals to the latest in winter headgear. This course talks about the fashion industry and how it creates a desire for us to own new clothes and accessories. Investigate the latest design trends and project into the future. Show your creativity and unique style by creating your own designs!

Fee: $144
Instructor: Ming Yon Blackwell
Session I, 9-11am
Gr. 6-8, Prog. No. 8410-0049
Session I, 11:30am-1:30pm
Gr. 3-5, Prog. No. 8410-0045
Instructor: Angela Perrow
Session II, 2-4pm
Gr. 9-12, Prog. No. 8440-0004

Piñata Pizzazz  NEW!
Learn the art of paper mâché as you create and design your own paper mâché party piñata. Bring your own candy and surprises to fill your piñata to take home and share with friends and family.

Fee: $94
Instructor: TBA
Discovery Camp 4, 9-11am
Gr. 3-5, Prog. No. 8410-0014
Discovery Camp 4, 11:30am-1:30pm
Gr. 6-8, Prog. No. 8410-0131

Pottery
Nothing’s more fun than working with clay! Create pottery pieces in this class using a variety of hand-building techniques: pinch and punch potting, coiling, slab building and more. This year’s projects could include: bird houses, picture frames, mobiles, jewelry, garden ornaments and more! The class culminates with an art show of student work.

Fee: $169
Ben Tyjeski
Session I, 11:30am-1:30pm
Gr. K-2, Prog. No. 8410-0011
Session I, 2-4pm
Gr. 3-5, Prog. No. 8410-0021
Session II, 11:30am-1:30pm
Gr. K-2, Prog. No. 8410-0012
Session II, 2-4pm
Gr. 6-8, Prog. No. 8410-0031
Session III, 11:30am-1:30pm
*Gr. 6-12, Prog. No. 8410-0052
Session III, 2-4pm
Gr. 3-5, Prog. No. 8410-0058

Sketch This!
Sharpening your drawing skills by doing quick sketches is an essential part of an artist’s training. Jump in and get started, all you need is a pencil and paper. Don’t worry about the results or anyone else’s opinion. Sketching skills can only be developed with practice.

Fee: $94
Angela Perrow
Discovery Camp 2, 11:30am-1:30pm
Gr. 3-5, Prog. No. 8410-0076
Take a Seat!
Bring in an old chair, and give it new life! Add your own personal touches to make it your own, and design a piece of furniture you’ll be proud to show off.

Fee: $94
Erin O’Connell
Discovery Camp 1, 9-11am
Gr. 3-5, Prog. No. 8410-0434
Discovery Camp 1, 11:30am-1:30pm
Gr. 6-8, Prog. No. 8410-0445

Creative Drama
Through simple games of improvisation, fun drama exercises, storytelling and other activities learn the use of body, voice and imagination to develop your creative expression. This basic performance class builds self-esteem and communication skills. Class ends with a performance on the final day.

Fee: $144
Matthew Konkel
Session III, 9-11am
Gr. K5-2, Prog. No. 8410-0032

Weaving 101
Learn basic weaving techniques, construct a loom and learn how to make a coil basket. Become aware of different cultures that incorporate woven textiles into their everyday life.

Fee: $144
Erin O’Connell
Session II, 11:30am-1:30pm
*Gr. 6-12, Prog. No. 8410-0022

Holiday Hoopla NEW!
Each day of class we’ll explore a different holiday. How and where did it start? Who participates in the celebration? We’ll research the holiday and then you will use your imagination to make a special art piece to represent that special event.

Fee: $94
Shannon Webb
Discovery Camp 1, 11:30am-1:30pm
Gr. K5-2, Prog. No. 8410-0439

Passionate about Play-Doh? NEW!
Do you love to create with Play-Doh? Let your imagination run wild and show others what’s in your mind’s eye. Then, together we’ll write a story about your creations.

Fee: $94
Angela Perrow
Discovery Camp 4, 9-11am
Gr. K5-2, Prog. No. 8410-0115

Outside Art
Do you like to be outside? Do you have an interest in art? Put both of your favorite things together! See what you observe outdoors as you use chalk, craypas, watercolor, markers, and much more to express your inside “outside.”

Fee: $94
Natasha Flatoff
Discovery Camp 1, 2-4pm
Gr. K5-2, Prog. No. 8410-0447

Pint-size Picasso’s
Splash, sponge, and spread the paint. We’ll learn about composition, line, design, and color by creating original works by famous artists.

Fee: $94
Natasha Flatoff
Discovery Camp 3, 9-11am
Gr. K5-2, Prog. No. 8410-0089

Grades K5-2
Capturing Color NEW!
Humans can see color and it makes our world exciting! Children will learn about how artists employ colors, rainbows are formed and how different cultures use color to express their heritage. This class encourages child interaction, imagination, and exploration through the use of art and color.

Fee: $144
Natasha Flatoff
Session III, 11:30am-1:30pm
Gr. K5-2, Prog. No. 8410-0042

I Made This! NEW!
Use your imagination and create a piece of art from clay, household items, canvas and more. Your family and friends will marvel at your artistic inspiration.

Fee: $144
Erin Maddox
Session III, 2-4pm
Gr. K5-2, Prog. No. 8410-0053

* Classes for grades 6-12

“I really enjoyed my classes. I learned a lot and can’t wait to show my parents everything that I made. It was an awesome experience!”

- CFK Participant
Grades K5-2

**Sticky, Icky, ART**

Sticky, icky, ooey and gooey. That’s the kind of fun art should be. We’ll be up to our eyeballs in surprise art projects. Be sure to wear appropriate clothes – this class is messy.

Fee: $144
Angela Perrow
Session I, 2-4pm
Gr. K5-2, Prog. No. 8410-0422

**Underwater Adventures in Art**

Join me for an underwater adventure in art! We will be taking a look at different types of aquatic life and using what we see to create drawings, paintings/prints and paper mache sculptures!

Fee: $94
Natasha Flatoff
Discovery Camp 4, 2-4pm
Gr. K5-2, Prog. No. 8410-0136

Grades 3-5

**Monster Mash**

Monsters come in all shapes and sizes. Learn about friendly and not-so-friendly monsters by reading “Where the Wild Things Are” to “There’s a Nightmare in my Closet”.

Fee: $94
Erin O’Connell
Discovery Camp 1, 2-4pm
Gr. 3-5, Prog. No. 8410-0451

**Theatre Workshop**

Experience the magic of theater! Explore the craft of theater, including voice, movement, make-up and costumes. In addition, we create a short play to be presented for family and friends on the final day of class.

Fee: $144
Nancy Weiss-McQuide
Session II, 9-11am
Gr. 3-5, Prog. No. 8410-0006

**Weaving: Warped & Wonderful NEW!**

Students will explore weaving using a variety of unexpected materials and create functional mixed media works of art.

Fee: $94
Angela Hayes
Discovery Camp 4, 11:30am-1:30pm
Gr. 3-5, Prog. No. 8410-0129

Grades 6-8

**Unleash your 3-D Creativity NEW!**

Wood, cardboard, soda cans and more! Use all these things to create 3 dimensional works of art! Come with an open mind to creating art with new and recycled materials.

Fee: $144
Erin O’Connell
Session III, 9-11am
Gr. 6-8, Prog. No. 8410-0041

Grades 9-12

**Screenwriting NEW!**

In this class you will transform an idea from any genre into a treatment, then an outline and finally a completed short screenplay. Through examples and writing exercises, participants will learn screenwriting concepts such as structure, plot, character, dramatic tension, and climax and catharsis. There will be an emphasis on character development and scene work, with tips and tricks for overcoming blocks and productive brainstorming. This class is perfect for those new to the art of screenplay or those looking to enhance their knowledge of creating the screen story. We will workshop writing exercises and screenplays in a fun, low-pressure environment. Participants will complete one short screenplay ready for production or submission.

Fee: $144
Matthew Konkel
Session III, 11:30am-1:30pm
Gr. 9-12, Prog. No. 8440-4009
Classes are organized by grade level as well as by subject area. If there is a class offered for multiple grade levels it will be listed below. However, other courses are available specific to an age group in the coming pages. Please note that the curriculum will be appropriate for each grade level and course content complexity increases at each increased grade level offering.

**Genealogy 101**

When did our family come to America? How did we end up here? So many stories about our family histories are interwoven with important events in the US and the world. Learn basic research to find out more about your family’s story.

Fee: $94
Erin Maddox
Discovery Camp 2, 11:30am-1:30pm
*Gr. 6-12, Prog. No. 8410-0079
Discovery Camp 2, 2-4pm
Gr. 3-5, Prog. No. 8410-0083

**How Real Government Works**

This class will focus on real and hypothetical local issues that influence our political, economic, and social lives. We will learn about building coalitions and implementing ideas to improve our society.

Fee: $144
Eric Czyzewski
Session I, 9-11am
*Gr. 6-12, Prog. No. 8410-0400

**I Wanna Be A…**

Doctor, lawyer, teacher, registered nurse? Guest speakers will give you insight into their careers as well as other fascinating careers. Learn what type of education you will need and start planning now. It is never too early to start planning for your future.

Fee: $94
Jen Bertrand
Discovery Camp 4, 11:30am-1:30pm
Gr. K-2, Prog. No. 8410-0125
Discovery Camp 4, 2-4pm
Gr. 3-5 Prog. No. 8410-0139

**Public Speaking**

Your stomach flips and your palms sweat. It’s your turn to speak in front of a group. Would you like to be more effective at thinking and speaking on your feet? Come learn some tricks to make public speaking a piece of cake.

Fee: $94
Chad Sorce
Discovery Camp 2, 11:30am-1:30pm
Gr. 9-12, Prog. No. 8440-4017
Discovery Camp 4, 11:30am-1:30pm
Gr. 6-8, Prog. No. 8410-0132
Fee: $144
Erin Maddox
Session III, 9-11am
Gr.3-5, Prog. No. 8410-0037

**Ready, Set, Geocache!**

Explore the adventurous world of geocaching. Learn how to use GPS devices and access the geocaching.com website to find caches hidden in your area.

Fee: $94
Instructor TBA
Discovery Camp 1, 9-11am
Gr. K-2, Prog. No. 8410-0432
Discovery Camp 1, 11:30am-1:30pm
Gr. 3-5, Prog. No. 8410-0432
Discovery Camp 1, 2-4pm
Gr. 6-8, Prog. No. 8410-0453

**Self Portrait**

Write a description of yourself, family, friends, pets, and hobbies to help create your self portrait.

Fee: $94
Laine Andzejewski
Session I, 2-4pm
Gr. K-2, Prog. No. 8410-0421
Regina Prahl
Session III, 11:30am-1:30pm
Gr. 3-5, Prog. No. 8410-0046
Taste of CFK

Get a taste of all that CFK has to offer. Each day you will explore a different subject area including creative arts, culture, humanities, math, and science.

Fee: $144
Regina Prahl
Session I, 9-11am
Gr. 3-5, Prog. No. 8410-0405
Session I, 11:30am-1:30pm
Gr. K5-2, Prog. No. 8410-0413

US Navy  **NEW!**

Anchors Away - join this class to learn about our Navy. From the origins in the Revolutionary War until today's Super Carriers the Navy has a long and rich history. We will discuss every major conflict and ship type as well as watch videos about key engagement.

Fee: $94
Chad Sorce
Discovery Camp 2, 9-11am
*Gr. 6-12, Prog. No. 8410-0070

Where in the World?

Travel the seven continents and four oceans with us. Make your own globe, passport, and travel log. Leave a little room in your suitcase for souvenirs like musical rainsticks from Chile and a dashiki from Africa. Mail postcards home from the places we visit. Sign up now for a trip around the world!

Fee: $144
Shannen Webb
Session I, 2-4pm
Gr. 3-5, Prog. No. 8410-0426
Fee: $94
Shannen Webb
Discovery Camp 2, 2-4pm
Gr. K5-2, Prog. No. 8410-0081

Titanic  **NEW!**

Learn about the most famous of shipwrecks. It may have sunk 100 years ago, but the legend still lives on in modern culture. Topics we will cover include making a timeline, learning Morse Code and seeing how ships can sink.

Fee: $94
Chad Sorce
Discovery Camp 1, 9-11am
Gr. 3-5, Prog. No. 8410-0435
Discovery Camp 1, 11:30am-1:30pm
*Gr. 6-12, Prog. No. 8410-0446

The Music of War  **NEW!**

In this class you will combine two very emotional topics; music and war. Find out more about wartime songs throughout American history. Additionally, students will create their own song relating to their lives (performing is optional).

Fee: $144
Eric Czyzewski
Session I, 2-4pm
*Gr. 6-12, Prog. No. 8410-0429

Grades K5-2

Come Read with Me!

Learn to read and spell with greater ease through lively interactive games and activities. This class can help you polish your beginning reading skills or improve your existing reading skills.

Fee: $94
Jen Bertrand
Discovery Camp 3, 11:30am-1:30pm
Gr. K5-2, Prog. No. 8410-0097
Dinosaur Detectives NEW!
Enter the land before time. Study the dinosaurs and their lives. Look at fossils and learn how to classify them. Some plants have not changed since the times when dinosaurs had them on their menus. Find out which ones they are and much more.

Fee: $94
Sara Kazmierski
Discovery Camp 4, 9-11am
Gr. K5-2, Prog. No. 8410-0114

Penmanship – Practice Makes Perfect!
Develop specific fine motor skills that are essential for correct pencil grip and pencil manipulation as well as letter formation in developmentally appropriate ways. This class will help those students needing a more solid foundation of skills as well as students whose parents want to give them a head start.

Fee: $94
Lisa Vick
Discovery Camp 2, 11:30am-1:30pm
Gr. K5-2, Prog. No. 8410-0073

Reading Made Easy NEW!
A book is the window into imagination. Come with us through that window, open a book and no longer fear you won’t be able to understand the words. After this class – reading will be a breeze!

Fee: $144
Regina Prahl
Session III, 9-11am
Gr. K5-2, Prog. No. 8410-0033

Spelling Times NEW!
Learn memory tricks to figure out the correct spelling of words. We will incorporate games and challenges to help you conquer your spelling fears.

Fee: $144
Regina Prahl
Session II, 9-11am
Gr. K5-2, Prog. No. 8410-0003

States: Facts and Figures
Learn fun facts about our states as you travel throughout the country.

Fee: $144
Regina Prahl
Session II, 11:30am-1:30pm
Gr. K5-2, Prog. No. 8410-0013

Three Times the Fun! Read, Read, Read!
Come join us as we learn about Three Little Bears, Three Billy Goats Gruff, Three Little Pigs, Three Blind Mice, and other children’s stories based on threes mean 3x’s the fun!

Fee: $144
Vanessa Zampardi
Session I, 9-11am
Gr. K5-2, Prog. No. 8410-0403

Writing is Magic
Can you tell a story? Would you like to be able to remember it? We’ll help you learn how to write and share the magic of stories with others.

Fee: $94
Instructor TBA
Discovery Camp 3, 2-4pm
Gr. K5-2, Prog. No. 8410-0106

Adventures in Fact & Fiction
Are you up for adventure? In stories, maps, films, and art there are adventures for us to follow, given to us by the women and men who had the adventures – or dreamed them up: Marco Polo, Jack London, Beryl Markham, Mutiny on the Bounty, The Right Stuff... all for us. We will make our own adventures as well, keeping an exciting map and diary of our own true life and imaginary adventures. This is reading and writing for the sheer excitement of it!

Fee: $144
Patricia Kemp
Session II, 2-4pm
Gr. 3-5, Prog. No. 8410-0027

Build Your Own Business
From start to finish, you are in charge. Found your own company. Identify the product your company creates. Determine how much it should sell for, do your own advertising and marketing. Sell your product at the end of class where your fellow business leaders will decide what product they want to buy with “fun money.”

Fee: $144
Jen Bertrand
Session II, 11:30am-1:30pm
Gr. 3-5, Prog. No. 8410-0016

Nose for News NEW!
Bring your imagination and turn yourself into a star reporter as you put together a newscast with your classmates. Learn interviewing skills and practice writing sporting event coverage, restaurant critiques, movie/book reviews and more.

Fee: $94
Patricia Kemp
Discovery Camp 4, 9-11am
Gr. 3-5, Prog. No. 8410-0117

* Classes for grades 6-12
Puzzling Possibilities NEW!

Can you think your way out of a problem? Can you stump your classmates? Using a wide variety of puzzles and games, we will learn problem solving techniques. We’ll work on focus and forms. We’ll work at puzzle solving independently and also how to work with others.

Fee: $94
Lisa Vick
Discovery Camp 2, 9-11am
Gr. 3-5, Prog. No. 8410-0066

Castles NEW!

What makes European castles so fascinating? Learn the history and architecture behind their construction, and the technological advancements they inspired. Students will design their very own castle and be able to take it home and show it off.

Fee: $144
Eric Czyzewski
Session II, 2-4pm
Gr. 6-8, Prog. No. 8410-0029

Psychology 101

Get acquainted with your inner self. Find out what motivates you and what turns you off. Are you a visual or kinesthetic learner? Do your people skills need fine-tuning? Join this class and find out more about you!

Fee: $144
Eric Czyzewski
Session I, 11:30am-1:30pm
Gr. 6-8, Prog. No. 8410-0419

The Presidents NEW!

Which President owned a goat? Who was the shortest President? Which President manifested the idea – ‘Sea to Shining Sea’? Take a look at history through the outcome of elections. Learn facts, trivia, and the importance of the Presidents’ personal, as well as, professional lives.

Fee: $144
Eric Czyzewski
Session II, 9-11am
Gr. 6-8, Prog. No. 8410-0008

Trivia Games NEW!

(This course is taught by 3-time Jeopardy! champion and long-time game show fanatic Michael Falk.)

Think you know your facts? Do you love trivia? Are you an expert at history, science, geography, or reading? In this class, you’ll play several different trivia games including Split Second, Jeopardy!, quiz bowl, and others; learn facts to elevate your game; and work with coach Michael Falk, whose quiz bowl teams have scored in the top-25 nationwide the past two years.

Fee: $144
Michael Falk
Session II, 11:30am-1:30pm
Gr. 6-8, Prog. No. 8410-0019

Shipwrecks NEW!

We know you have heard of the Titanic, but did you know her sister ship, the Britannic, sank as well? How about the Lusitania or the Andrea Doria? Ever wonder what really makes the Bermuda Triangle so spooky? Did you know the Great Lakes have more shipwrecks than most oceans? Learn all about these topics and more in this fun class.

Fee: $94
Chad Sorce
Discovery Camp 4, 9-11am
Gr. 6-8, Prog. No. 8410-0122

The Writer’s Club

Instead of joining the book club, think outside the box and join our “Writer’s Club.” Work with others to improve your writing technique. Share your style with other students and learn new tricks from theirs.

Fee: $144
Patricia Kemp
Session III, 2-4pm
Gr. 6-8, Prog. No. 8410-0062

It’s in Your Stars! – Astrology not Astronomy NEW!

Are you a water or earth sign? What does it mean if Mercury is in its second house? Astrology was one of the ancient attempts to understand the mysteries of life and the human experience. Come learn all about it!

Fee: $94
Instructor TBA
Discovery Camp 1, 2-4pm
Gr. 9-12, Prog. No. 8440-4409
Career Discovery  

Come explore some of the many careers that are possible for your future. What do you like to do? How does that translate into future employment? What steps do you need to take to make that career possible? Find out the answers to these and other questions.

Fee: $94
Instructor TBA
Discovery Camp 4, 9-11am
Gr. 9-12, Prog. No. 8440-4026

Criminal Psychology

What makes someone commit a crime? In this class, we’ll delve into various theories on criminal psychology, profiling serial killers, adolescent thieves, and white collar criminals to discover how different types of crimes correlate to various personality traits and socioeconomic backgrounds.

Fee: $144
Marilyn Kindwall
Session II, 9-11am
Gr. 9-12, Prog. No. 8440-4001

Leadership 101  

Do you enjoy setting the course of action for a group? Do you enjoy helping others? Learn new ways to improve your already outgoing attitude. Or…would you like to be the one ‘in charge’? Do you need help in learning leadership skills? If so, sign up now. Learn how to use your talents and personality to become a better leader at your school and in your community. This course is based on the Book, "The Seven Habits of Highly Effective Teens" by Sean Covey.

Fee: $144
Shannen Webb
Session III, 2-4pm
Gr. 9-12, Prog. No. 8440-4010

Maximizing Memory

Want to improve your memory? Learn how the brain creates memory and how you can increase what you remember. Discover the difference between short term and long term memories. Explore working memory. Find out why some memories are vivid and others are barely remembered. Practice techniques to strengthen your ability to have TOTAL RECALL!

Fee: $94
Instructor TBA
Discovery Camp 4, 2-4pm
Gr. 9-12, Prog. No. 8440-4030

American Sign Language

Learn the basics of sign language using games, videos and art projects. Grow a vocabulary of words you can sign, and learn more about the deaf culture.

Fee: $94
Instructor TBA
Discovery Camp 4, 9-11am
Gr. K-2, Prog. No. 8410-0113
Discovery Camp 4, 11:30am-1:30pm
Gr. 3-5, Prog. No. 8410-0127
Discovery Camp 4, 2-4pm
Gr. 6-8, Prog. No. 8410-0140

Bonjour! French Immersion Class

Did you know that French is spoken on five continents? Come explore the world of French culture in this class. You will speak French throughout the class. Each day explore a new theme from travel abroad, from French artists to French explorers and more! What is life like in France? What sports do kids play? What are some favorite foods? This is a great class for those with all levels of foreign language experience.

Fee: $144
Instructor TBA
Session II, 2-4pm
Gr. K-2, Prog. No. 8410-0023
Gr. 6-8, Prog. No. 8410-0075
Introduction to Chinese and Its Culture

It could be that before too long most people will be expected to know at least some Chinese. China is a global giant just beginning to slowly open itself to the world. Develop basic language skills in a Chinese-speaking environment. Learn to listen and speak in Mandarin Chinese and read and write in Pinyin Chinese. Chinese culture will be discussed too.

Fee: $94
Instructor TBA
Discovery Camp 1, 9-11am
Gr. K5-2, Prog. No. 8410-0431
Discovery Camp 1, 11:30am-1:30pm
Gr. 3-5, Prog. No. 8410-0441
Discovery Camp 1, 2-4pm
Gr. 6-8, Prog. No. 8410-0452

Introduction to Japanese

Whether you are a language aficionado, an anime enthusiast or a future mangaka, this course is for you. Learn to read and write the hiragana and katakana syllabaries as you develop conversational skills in an engaging learning environment.

Fee: $94
Meiko Ikeno
Discovery Camp 3, 9-11am
Gr. 6-8, Prog. No. 8410-0094
Discovery Camp 3, 11:30am-1:30pm
Gr. 3-5, Prog. No. 8410-0101
Discovery Camp 3, 2-4pm
Gr. K5-2, Prog. No. 8410-0105

Tickets and Passports

Little travelers get an authentic Student Passport Journal, and “visit” major countries around the world. Through virtual Learning Stations, art projects and discussions, we’ll learn about an exciting new country each day: the climate, population, education, animals and games. As we travel, students receive an airline “ticket” with their destination. Get your passport stamped after you present your art project or new facts you’ve learned during your travels. And yes, there will be prizes (Shhhh! It’s a surprise!).

Fee: $94
Instructor TBA
Discovery Camp 4, 2-4pm
Gr. K5-2, Prog. No. 8410-0135

Country Customs

Travel the globe discovering interesting things about countries, the people in them, and their customs. You will learn about flags, food and more.

Fee: $94
Jackie Anclam
Discovery Camp 1, 2-4pm
Gr. 3-5, Prog. No. 8410-0450
Grades 9-12

This year our classes will run all day for one week for grades 9-12. We want the students to be immersed in the language and come away with a one-of-a-kind language experience.

German - Guten Tag!  NEW!

Explore life as a kid in Germany. Immerse yourself in a German school setting, learning colors, numbers, foods, school supplies, etc. Find out what their culture is like and how to travel abroad.

Fee: $249
Stephanie Bay
Discovery Camp 2, 9am-4pm
Gr. 9-12, Prog. No. 8440-4015

Korean – “Immerse Yourself in Korea” NEW!

Come spend a week with us learning the “ins” and “outs” of Korea. You will discover so many different things in this exciting class taught by UWM professor Suyong Yi. Professor Yi will invite special guest lecturers to talk about their expertise in Korean culture.

1. Master survival Korean for a trip
2. Learn and sing K pops to enjoy Korean pop culture
3. Compare cultural differences after watching K dramas and movies
4. Practice calligraphy which improves your concentration
5. Enjoy and learn a Korean percussion instrument
6. Learn Taekwondo which will help you protect yourself

Fee: $249
Suyong Yi
Discovery Camp 3, 9am-4pm
Gr. 9-12, Prog. No. 8440-4020

Japanese Immersion  NEW!

Spend a week of your summer studying Japanese language and culture.

Immerse in Japanese basic language including manga (animation or comic book) while you experience mini culture such as Tanabata (the star festival), Undokai(sport festival), shodo, origami, wearing kimono’s and much more. Find friends who like Japanese language and culture and network with them. Japanese language is a useful and beautiful language. Learning Japanese will help you get the most out of international travel, improve your current knowledge of language and culture, and prepare your future for whatever field you choose.

Fee: $249
Mieko Ikeno
Discovery Camp 4, 9am-4pm
Gr. 9-12, Prog. No. 8440-4025

Spanish  NEW!

Intensive Spanish for Beginners

After completing this course, you should be able to hold a basic conversation, ask and answer simple questions, deal with common traveling situations (times, costs, locations, restaurant choices, shopping phrases) and use other Spanish resources (guidebooks, phrasebooks, pocket translators) more effectively. This course will also prepare you for a more thorough Spanish 1 class when you wish to become more proficient. Course will include thirty (30) hours of classroom activities (instruction, games, oral presentations and projects), access to online practice materials and the opportunity to create a binder of Spanish resources for future use. This is an excellent beginning Spanish course which solves the problems common to most first-year students. Written by an experienced Spanish teacher, this course is a MUST for students who plan to take Spanish in college! Learn to speak BETTER Spanish FASTER!

Fee: $249
Pat Prosser
Discovery Camp 1, 9am-4pm
Gr. 9-12, Prog. No. 8440-4407

Languages and Cultures

*sce-kids.uwm.edu | 414-227-3360

* Classes for grades 6-12

“The CFK/CFT program is really great. I am new to Wisconsin and was looking for a great (educational) program for my kids. I appreciate the organization of the program and the way you keep the kids safe.”

- CFK Parent
Advanced Web Page Design

Do you have your own web page? Do you want to make it better? Improve it with exciting, state of the art graphics. Use the latest technology. Amaze your parents and yourself. This is an advanced class. It is not for beginners.

Fee: $144
Amandeep Binnar
Session II, 2-4pm
Gr. 3-5, Prog. No. 8410-0026
Fee: $94
Amandeep Binnar
Discovery Camp 3, 11:30am-1:30pm
Gr. 6-8, Prog No. 8410-0102
Discovery Camp 3, 2-4pm
Gr. 9-12, Prog. No. 8440-4023

Algebra Camp

Develop an understanding of some basic concepts of algebra as you build models and use exercises to develop your algebraic-thinking skills. No knowledge of algebra is necessary, as we’ll connect previous mathematical knowledge and algebra. This is a fun and informal course.

Fee: $94
Instructor TBA
Discovery Camp 2, 9-11am
Gr. 6-8, Prog. No. 8410-0068
Joseph Gayle
Discovery Camp 2, 11:30am-1:30pm
Gr. 9-12, Prog. No. 8440-4016
Fee: $144
Instructor TBA
Session III, 11:30am-1:30pm
Gr. 6-8, Prog. No. 8410-0049

Build Your Own Computer

Building your own computer isn’t as hard as you may think. We’ll go through the entire process and you’ll be able to understand what computer components you’ll need and how to put them together. When it’s time to upgrade your computer, you’ll understand when and how to do so. As a class, we will build a computer.

Fee: $94
Andrea Zwiefel
Discovery Camp 2, 2-4pm
*Gr. 6-12, Prog No. 8410-0087

Compelling Camera Shots

We’ll discuss the basics of camera operation, including lenses, tripods, and exposure. What does it mean to take a great picture? We’ll discuss composition and framing, and then it’s off in search of photos to use what we have learned! While walking to Downer Woods and other campus locations, we will capture images of people, the landscape, wildlife, architecture, and much more. Students must bring a digital camera.

Fee: $94
Erin Maddox
Discovery Camp 4, 9-11am
Gr. 6-8, Prog No. 8410-0120
Discovery Camp 4, 11:30am-1:30pm
Gr. 9-12, Prog. No. 8440-4027
Discovery Camp 4, 2-4pm
Gr. 3-5, Prog. No. 8410-0137

Design Your Own Computer Games

Ever wonder how your computer game works behind the “screens”? Using Visual Basic or related game design tools, you can learn how your games work, and how to design a game of your own. Amaze your friends and family with your creativity by developing plots and sequences complete with sound, graphics and animation.

Fee: $144
Amandeep Binnar
Session II, 9-11am
*Gr. 6-12, Prog. No. 8410-0009
Session II, 11:30am-1:30pm
*Gr. 6-12, Prog. No. 8410-0020

Classes are organized by grade level as well as by subject area. If there is a class offered for multiple grade levels it will be listed below. However, other courses are available specific to an age group in the coming pages. Please note that the curriculum will be appropriate for each grade level and course content complexity increases at each increased grade level offering.

Multiple Grade Levels
Geometry and Spatial Sense
From doing puzzles to rearranging your room, you probably use geometry more than you realize. Discover mathematical relationships through explorations and demonstrations. Improve your spatial and understanding of geometric concepts.

Fee: $94
Instructor TBA
Discovery Camp 2, 2-4pm
Gr. 3-5, Prog. No. 8410-0084
Discovery Camp 4, 2-4pm
Gr. 6-8, Prog. No. 8410-0141

Internet Explorations
Come explore what the Internet has to offer. Learn what sites to trust and which to discard. Learn tricks to make your searches easier and to verify the truth of the information.

Fee: $94
Jackie Anclam
Discovery Camp 1, 9-11am
Gr. 3-5, Prog. No. 8410-0433
Discovery Camp 1, 11:30am-1:30pm
Gr. K-2, Prog. No. 8410-0440

Prezi - Make Your Presentations Come Alive!

Think of your presentation as a canvas that’s waiting for you to create something fantastic. Prezi takes your presentations to the next level. Make your presentations speak through storylines, watch movies, view PowerPoint slides, and include pictures and files into your presentation. In the class we will create a FREE Prezi account then create a basic Prezi presentation.

Fee: $94
Andrea Zwiefel
Discovery Camp 1, 2-4pm
*Gr. 6-12, Prog. No. 8410-0455

Web 2013
Blogging, Googling, and more! Explore interactive tools and applications that will enhance your academic and recreational online experience. Come spend some time in the computer lab to learn some cool tricks to make your searches easier.

Fee: $94
Instructor TBA
Discovery Camp 2, 9-11am
Gr. 3-5, Prog. No. 8410-0067
Discovery Camp 2, 11:30am-1:30pm
Gr. 6-8, Prog. No. 8410-0078

Stock Market
Want to be a millionaire? Learn how the stock market works, research stocks to determine the best buys, invest play money, track your stocks, and make wise decisions on when to sell. Write and receive checks for your purchases and sales, and balance your bank account.

Fee: $144
Eric Czyzewski
Session II, 11:30am-1:30pm
*Gr. 6-12, Prog. No. 8410-0021

Web Page Design
Delve even deeper into the Web as you create your own web page (or improve the one you already have). Learn to use graphics as well as a digital camera and scanner to make your page stand out and tell your own exciting story. NOTE: This is not a class for beginners. Students should have some computer experience, including use of the Internet.

Fee: $144
Amandeep Binnar
Session I, 9-11am
Gr. 3-5, Prog. No. 8410-0406
Session I, 11:30am-1:30pm
Gr. 6-8, Prog. No. 8410-0420
Session I, 2-4pm
*Gr. 6-12, Prog. No. 8410-0430

* Classes for grades 6-12
sce-kids.uwm.edu | 414-227-3360
Math & Computers

Grades K5-2

Geometry All Around
Investigate the world as a mathematician using literature and hands-on activities. Solve geometric mysteries and play stimulating math games. Create geometric solids using everyday objects including non-traditional math tools and even food!

Fee: $144
Jen Bertrand
Session I, 9-11am
Gr. K5-2, Prog. No. 8410-0401

Gobble Up Math
In this class it’s O.K. to play with your food! You’ll eat up activities about patterns, measurements, fractions, and geometry. What a delicious way to learn about math!

Fee: $144
Jen Bertrand
Session II, 2-4
Gr. K5-2, Prog. No. 8410-0025

Got Math?
Believe it or not, math can be fun. In this class you will brush up on your math skills while playing math games. Enjoy!

Fee: $94
Shannen Webb
Discovery Camp 2, 9-11am
Gr. K5-2, Prog. No. 8410-0064

Internet Savvy!  NEW!
Want to increase your confidence on the computer? Spend two weeks in this class to learn the basics – from typing skills to searching the net. We will bring you up to speed very quickly.

Fee: $144
Instructor TBA
Session III, 2-4pm
Gr. K5-2, Prog. No. 8410-0054

Math: Easy as 1, 2, 3
Mathematical concepts will be explored in this class including counting, patterning, place value, shapes and estimating. Challenge your thinking and problem solving techniques. This is a great class for young minds with a curiosity for numbers. Please note: This is not a skill building class. Children must know and recognize numbers 1-10 before taking this class.

Fee: $94
Jen Bertrand
Discovery Camp 3, 9-11am
Gr. K5-2, Prog. No. 8410-0088

Vacation Math
Would you like to see Mt. Rushmore, hike the Grand Tetons or visit the San Diego Zoo? Learn what it would take by planning your ultimate road trip across the United States. Calculate costs of gas, food and hotel expenses along the way as you balance your travel budget.

Fee: $144
Jen Bertrand
Session I, 2-4pm
Gr. K5-2, Prog. No. 8410-0423

Grades 3-5

Algebra + Mazes = Amazing Fun!
Discover how to solve hands-on equations to learn the basics of algebra. Solve equations (3x + 5 = x + 19) using pawns and cubes. Strengthen your math knowledge and practice algebra in the real world.

Fee: $144
Instructor TBA
Session II, 11:30am-1:30pm
Gr. 3-5, Prog. No. 8410-0015

Arithmetic Architectures
Do you enjoy building things? Explore the geometric challenges as you work with geoboards, miras, tangrams, symmetry, pattern blocks and more. Work with dowels and spaghetti to create your own designs!

Fee: $144
Instructor TBA
Session III, 9-11am
Gr. 3-5, Prog. No. 8410-0035
Computer Creations
Become a pro at creating with the computer. Learn how to generate calendars, t-shirt designs, banners and more.
Fee: $94
Ming Yon Blackwell
Discovery Camp 3, 9-11am
Gr. 3-5, Prog. No. 8410-0091

Fit Finances
Should you save, spend or invest? Learn how to make smart decisions about what to do with your allowance.
Fee: $94
Jen Bertrand
Discovery Camp 3, 2-4pm
Gr. 3-5, Prog. No. 8410-0108

From Zero to Googolplex
Mathematics is not about adding, subtracting, multiplying or dividing. It’s about the science of numbers! If you are as fascinated by numbers as the ancient Greeks, join us for a non-stop adventure of math riddles and cool calculations.
Fee: $144
Jen Bertrand
Session I, 11:30am-1:30pm
Gr. 3-5, Prog. No. 8410-0414

FUN²
Math can be fun, exciting and creative - you just have to learn how. Crack math problems, magic squares and math riddles. Stump your friends, your parents and teachers with all your new knowledge.
Fee: $94
Sara Kazmierski
Discovery Camp 4, 2-4pm
Gr. 3-5, Prog. No. 8410-0138

MadaMathaMatics
Are you mad about numbers? Learn problem solving tips and strategies. Estimation will be a plus!
Fee: $94
Instructor TBA
Discovery Camp 1, 11:30am-1:30pm
Gr. 3-5, Prog. No. 8410-0442

Advanced Engineering with Autodesk Inventor
Explore advanced features of Autodesk Inventor. Design a solution to an everyday problem of your choice and develop interactive solid models, assembly designs and multi-view drawings of your design. Previous experience with Autodesk Inventor required.
Fee: $144
Quinn Ruppel
Session III, 9-11am
Gr. 6-8, Prog. No. 8410-0039

Common Cents Math
Do you wonder why you need to know about percentages, decimal numbers or fractions? You will work on applying your math skills to things like shopping, balancing a checkbook, understanding baseball averages and more.
Fee: $94
Instructor TBA
Discovery Camp 4, 9-11am
Gr. 6-8, Prog. No. 8410-0019

Advanced Cryptology
Build on what you learned in the basic Cryptology class. Use pattern analysis and computer programs to decipher substitution ciphers and polyalphabetic ciphers. Use pattern matching and brute-force attacks to find weaknesses in both classical and modern ciphers. Learn about information security and steganography (hidden writing).
Fee: $144
Michael Falk
Session II, 9-11am
Gr. 6-8, Prog. No. 8410-0007

Cryptology
This course explores codes and ciphers through history. Learn how people try to keep things secret - and how others try to find out those secrets. We’ll study secret messages from the beginning of time through modern-day computer security. Students should be comfortable with mathematics to really enjoy this class.
Fee: $144
Michael Falk
Session I, 11:30am-1:30pm
Gr. 6-8, Prog. No. 8410-0417

* Classes for grades 6-12
**Grades 6-8**

**Introduction to Engineering with Autodesk Inventor**

Learn the basics of CAD as a replacement for drawing and designing with pencil and paper. Using Autodesk Inventor, you will transform designs from conceptual sketches to interactive solid models, assembly designs and multi-view drawings.

Fee: $144  
Quinn Ruppel  
Session I, 9-11am  
Gr. 6-8, Prog. No. 8410-0408

**Game Show Math**

(This course is taught by 3-time Jeopardy! champion and long-time game show fanatic Michael Falk)

Discover and compute the odds, probabilities, and strategies behind your favorite game shows. We’ll talk about Deal or No Deal, Wheel of Fortune, Jeopardy!, The Price Is Right, Card Sharks, Who Wants To Be A Millionaire, and more. Students should be comfortable with fractions, decimals, and percents (middle school math in general) to keep up with this class.

Fee: $144  
Michael Falk  
Session I, 9-11am  
Gr. 6-8, Prog. No. 8410-0407

**Pre-Calculus**

Pre-calculus bridges Algebra II and Calculus, and is a great way to get acquainted with the main ideas of calculus including functions and rates of change. Analyze angles and geometric shapes to find absolute values. Discover new ways to record solutions with interval notation, and plug trig identities into your equations.

Fee: $144  
Joseph Gayle  
Session III, 9-11am  
Gr. 9-12, Prog. No. 8440-4006

**Grades 9-12**

**Algebra II**

You asked for it, so here it is, take the next step to advancing your math mind. Start with introducing yourself to matrices, logarithms, and trigonometry. End it with a better understanding of the complex concepts that make algebra, algebra.

Fee: $144  
Joseph Gayle  
Session I, 11:30am-1:30pm  
Gr. 9-12, Prog. No. 8440-4403

**Trigonometry**

Calculate the height of the tallest tree on campus. Understand the basic concepts of trigonometry in this math enrichment class.

Fee: $144  
Instructor: Joseph Gayle  
Session II, 2-4pm  
Gr. 9-12, Prog. No. 8440-4005

**Geometry**

Learn about angles, areas and volumes. How does a surveyor plot positions? What do you do with the information? Reviewing geometric concepts is what this class is all about. If you want to know what the major theorems used in the study of analytic and transformational geometry are, sign up now.

Fee: $94  
Joseph Gayle  
Discovery Camp 1, 9-11am  
Gr. 9-12, Prog. No. 8440-4406

**Wall Street**

Learn about the exciting world of investments. How do you increase the money you have? Why do prices go up? When and what do you buy? When do you sell? These are just a few of the questions that will be answered in this exciting new class. Each student will start out with the same amount of play money and invest it over the week. Who will be the one to increase their cash? Will it be you? Sign up to find out.

Fee: $94  
Erin Maddox  
Discovery Camp 3, 11:30am-1:30pm  
Gr. 9-12, Prog. No. 8440-4022
SCIENCE

Multiple Grade Levels

Advanced Chemistry

If you have taken our Chemistry classes in the past this is your chance to expand your knowledge of chemical reactions! This class opens your eyes to endless possibilities of chemistry in the world around you.

Fee: $144
Joshua Zimmerman
Session I, 9-11am
Gr. 9-12, Prog. No. 8440-4402
Session II, 11:30am-1:30pm
Gr. 3-5, Prog. No. 8410-0014
Fee: $94
Discovery Camp 1, 11:30am-1:30pm
Gr. 6-8, Prog. No. 8410-0444

Anatomy & Physiology

Explore the human body from top to bottom, inside and outside. Take a journey through the muscular, skeletal, respiratory, circulatory and digestive systems of the human body. Use microscopes, models, and hand-on experiments to discover “what makes us tick.”

Fee: $94
Jason Dropek
Discovery Camp 1, 9-11am
Gr. 6-8, Prog. No. 8410-0436
Discovery Camp 1, 11:30am-1:30pm
Gr. 9-12, Prog. No. 8440-4408
Discovery Camp 1, 2-4pm
Gr. 3-5, Prog. No. 8410-0449

Biology

You won’t believe all the interesting little things you find using a microscope. Practice dissection on food and specimens! Learn how very, very small animals live, breath and function!

Fee: $94
Jason Dropek
Discovery Camp 4, 9-11am
Gr. 3-5, Prog. No. 8410-0116
Discovery Camp 4, 11:30am-1:30pm
Gr. 6-8, Prog. No. 8410-0130
Discovery Camp 4, 2-4pm
Gr. 9-12, Prog. No. 8440-4029

Everyday Science

It’s used to make cupcakes or to discover a cure for the flu. Everyone uses it, it’s the scientific method! Learn how to draft a hypothesis, conduct the experiment and write clear conclusions. Then, impress your family and friends with a display of your results.

Fee: $94
Sara Kazmierski
Discovery Camp 2, 2-4pm
Gr. 3-5, Prog. No. 8410-0082
Joshua Zimmerman
Discovery Camp 4, 9-11am
Gr. 6-8, Prog. No. 8410-0121
Discovery Camp 4, 11:30am-1:30pm
Gr. 9-12, Prog. No. 8440-4028

Healthy Habits  NEW!

We all want to be healthy and we each come with our own laboratory – our human body. What do we need to know to keep the aches and pains away? Join this class to learn about wellness tips that can get you on the right path to a healthier lifestyle.

Fee: $94
Instructor TBA
Discovery Camp 2, 9-11am
Gr. 9-12, Prog. No. 8440-4013
Discovery Camp 2, 11:30am-1:30pm
Gr. 6-8, Prog. No. 8410-0077

It’s Electric!

Get hands-on experience building safe circuits and motors. Learn all about the electrical currents all around you – in your house, your computer, your school.

Fee: $94
Joshua Zimmerman
Discovery Camp 2, 2-4pm
Gr. 6-8, Prog. No. 8410-0086
Discovery Camp 3, 11:30am-1:30pm
Gr. 9-12, Prog. No. 8440-4021

* Classes for grades 6-12

Classes are organized by grade level as well as by subject area. If there is a class offered for multiple grade levels it will be listed below. However, other courses are available specific to an age group in the coming pages. Please note that the curriculum will be appropriate for each grade level and course content complexity increases at each increased grade level offering.
LEGO® MINDSTORMS®
Robotics

Learn how to build and program robots using the famous LEGO® MINDSTORMS® kits. Gain familiarity with servo motors, touch sensors, sound sensors, ultrasonic sensors, and light sensors. Define a mission for your robot, program the robot to accomplish the mission, and then test it. This course helps you prepare for the FIRST (For Inspiration and Recognition of Science and Technology) Lego League Wisconsin tournaments in Fall 2013.

Fee: $144
Jason Dropik
Session II, 9-11am
Gr. 3-5, Prog. No. 8410-0005
Session II, 2-4pm
Gr. 6-8, Prog. No. 8410-0030
Session III, 9-11am
Gr. 3-5, Prog. No. 8410-0036

Meteorology

What’s the difference between a tornado and a cyclone? Why don’t we have hurricanes on Lake Michigan? And, is it going to rain tomorrow? In meteorology, we will learn all about thunderstorms, tornadoes, lightning, hurricanes, snowstorms, and everyday weather, as well as how to do your own weather forecasting.

Fee: $144
Instructor TBA
Session I, 2-4pm
Gr. 6-8, Prog. No. 8410-0428
Session III, 2-4pm
Gr. 3-5, Prog. No. 8410-0057

Wonders of the Coral Reefs

Coral Reefs are essential to keeping the seas healthy. Often called “rainforests of the sea”, coral reefs form some of the most diverse ecosystems on Earth. They are most commonly found at shallow depths in tropical waters, but deep water and cold water corals also exist on smaller scales in other areas. Come let your mind swim through the endless information that can be learned in this class.

Fee: $94
Joshua Zimmerman
Discovery Camp 3, 9-11am
Gr. 6-8, Prog. No. 8410-0095
Instructor TBA
Discovery Camp 3, 11:30am-1:30pm
Gr. K5-2, Prog. No. 8410-0098
Discovery Camp 3, 2-4pm
Gr. 3-5, Prog. No. 8410-0109

Phun with Physics

Electricity, light and sound are just a few examples of how physics is a part of your everyday life. Join us for this class of daily laboratory experiments where you will learn and explore the principles and facts of physics through mechanics, electricity, heat, hydraulics, magnetism and more!

Fee: $144
Jason Dropik
Session II, 11:30am-1:30pm
Gr. 6-8, Prog. No. 8410-0018
Joshua Zimmerman
Session III, 2-4pm
Gr. 9-12, Prog. No. 8440-4011

Animal Habitats

Discuss and observe where and why animals live where they live. Students will construct a habitat for an animal (Example: Soda Bottle Aquarium or a Terrarium)

Fee: $94
Instructor TBA
Discovery Camp 2, 11:30am-1:30pm
Gr. K5-2, Prog. No. 8410-0072
Backyard Biologist
Explore botany and the wonders of plant life. Find out how much fun biology can be by working in a laboratory, using microscopes and participating in scientific adventures. You might even get to visit UWM’s greenhouse, take plant cuttings and explore the mysteries of germination. Examine some other flying insects and slithering bugs in your backyard!

Fee: $144
Sara Kazmierski
Session II, 9-11am
Gr. K5-2, Prog. No. 8410-0001

Bubbles, Balloons, Blastoff
The return of one of our most popular classes for young scientists. What’s up with bubbles? How do they hold together? Why do they pop? Did you know that balloons are the simplest aircraft? This class is for you if you are fascinated with flight.

Fee: $94
Instructor TBA
Discovery Camp 2, 9-11am
Gr. K5-2, Prog. No. 8410-0063

How Do You Know? NEW!
Science helps us understand why things happen. Learn about things like your fingerprints and what makes you unique. Explore why your bike is sometimes easy to pedal and sometimes hard. Why did your cupcakes fail to rise? How come your birthday balloons will fly away outside if you don’t tie them down? These and other questions will be explored to help you understand how science can explain your world.

Fee: $94
Instructor TBA
Discovery Camp 4, 11:30am-1:30pm
Gr. K5-2, Prog. No. 8410-0124

Jr. Astronaut
Even you can be an astronaut and travel in space. Yes, you really can! Find out how astronauts train to travel and live in space. Learn about foods and other activities on the flight, as well as what it takes for you to get there.

Fee: $144
Laine Andzejewski
Session I, 9-11am
Gr. K5-2, Prog. No. 8410-0402

Little Chemists NEW!
Mix a little of this and a little of that and what do you get? Sign up for this class to find out. It’s never too early to experiment with what might be your future.

Fee: $94
Instructor TBA
Discovery Camp 4, 2-4pm
Gr. K5-2, Prog. No. 8410-0134

“Mindstorm was a great experience. I learned about technology and programming our robots, and making them move. It was a great class to be in.”
- CFK Participant

"CFK is fun because it goes above and beyond typical 'summer school.' There are a wide variety of classes from sciences to humanities that go past the basics ... like a crime class that includes science concepts in a new way."
Kaleb Schroeder, CFK Participant

* Classes for grades 6-12
Grades K5-2

Ooze, Drip, Bubble & Bounce

This class is right for you only if you believe that it isn’t really a scientific experiment unless it involves oozing, dripping and bubbling. Learn how here!

- **Fee:** $144
- **Sara Kazmierski**
  - **Session II, 11:30am-1:30pm**
  - **Gr. K5-2, Prog. No. 8410-0011**
- **Shannen Webb**
  - **Session III, 11:30am-1:30pm**
  - **Gr. K5-2, Prog. No. 8410-0044**

Optics, Electricity & Magnetism

What is the difference between a lens and a prism? Concave and convex? What is the difference between static electricity and current electricity? What are the differences between magnets and electromagnets? Join us for hands-on activities and make scientific discoveries of your own!

- **Fee:** $144
- **Jason Dropik**
  - **Session III, 2-4pm**
  - **Gr. K5-2, Prog. No. 8410-0055**

Science Station Milwaukee

Explore the world of science through fun, hands-on experiments!

- **Fee:** $144
- **Laine Andzejewski**
  - **Session I, 11:30am-1:30pm**
  - **Gr. K5-2, Prog. No. 8410-0412**

Wicked Weather

How does the weather change our earth? What do we know about weather disasters like earthquakes, floods, tornadoes, blizzards, and all that other stuff? Inquiring minds want to know, do you? Come find out this and much more as you explore the mysteries of weather.

- **Fee:** $94
- **Instructor TBA**
  - **Discovery Camp 1, 2-4pm**
  - **Gr. K5-2, Prog. No. 8410-0448**

Wonders of the Sky

Hop aboard as we explore the sky, identifying the clouds, stars, Sun and Moon. Learn about the entertaining stories of Greek mythology that swirl in the patterns of stars above us. Enjoy making a colorful solar system book and other fun hands-on projects.

- **Fee:** $144
- **Jean Creighton**
  - **Session III, 9-11am**
  - **Gr. K5-2, Prog. No. 8410-0034**

Grades 3-5

Bodily Functions!

You live in your human body, but what do you know about it? Why is your heart racing when you chase a friend? Why do you shiver when you are cold? How come sometimes you can’t tell when you are thirsty? Find out all about your blood and guts.

- **Fee:** $94
- **Instructor TBA**
  - **Discovery Camp 2, 9-11am**
  - **Gr. 3-5, Prog. No. 8410-0065**
Chemistry: What In The World Isn’t Chemistry?
Learn about the nature of chemicals through simple and exciting laboratory experiments. We will study chemical properties and observe their actions and reactions with special emphasis on application to our everyday world. (Safety information will be distributed prior to class. Course curriculum progresses in complexity from lower to upper grades.)

Fee: $144
Joshua Zimmerman
Session I, 2-4pm
Gr. 3-5, Prog. No. 8410-0424

Chemistry & Beyond
Expand on your chemistry experience with this advanced class using different experiments from the chemistry class.

Fee: $94
Ray Scolavino/Chris Stewart
Discovery Camp 3, 11:30am-1:30pm
Gr. 3-5, Prog. No. 8410-0100
Discovery Camp 4, 11:30am-1:30pm
Gr. 3-5, Prog. No. 8410-0128

Stellar Heroes and Monsters
Uncover the interesting myths behind the universe’s unique cast of characters from stellar heroes to galactic monsters! Enjoy learning how to use a star map and becoming familiar with the stars in the night sky. Awesome prizes will be given to the space explorer who can identify the most constellations!

Fee: $144
Jean Creighton
Session III, 11:30am-1:30pm
Gr. 3-5, Prog. No. 8410-0047

The Sky’s The Limit
Fly into the wild blue yonder as we learn about the basics of aeronautics and Bernoulli’s principle. We will build complex paper airplanes, a balsa wood glider and test our planes in a wind tunnel. Become an aerospace engineer and design a parachute system that will safely land a raw egg from a fall of fifty feet! Our final class project will include building hot air balloons with your classmates.

Fee: $144
Instructor TBA
Session I, 11:30am-1:30pm
Gr. 3-5, Prog. No. 8410-0416

Lego Robotics II
Are you an advanced programmer? Have you competed in FLL? Have you already taken Lego Mindstorms? If you answered yes to any of these questions then you are ready for this exciting adventure. Use advanced programming, special attachments and sensors, and creative problem-solving to complete missions from this year’s First Lego League competition. This is not an introduction to robotics but an extension of that course. Are you ready?

Fee: $144
Jason Dropik
Session III, 11:30am-1:30pm
Gr. 6-8, Prog. No. 8410-0050

Did you know that one of our past scholarship students, Awmorreunce “Mo” Broadway just finished up his 1st year in college right here at UWM? He will also be one of our student workers this summer.
Meet Rube Goldberg

Make the most amazing and wacky machine possible by combining the laws of science with your imagination. As you discover and begin to understand laws of physics, you will be able to use them in ways that will both startle and amuse you. Who says science isn’t fun (or funny)? And just who is this Rube Goldberg, anyway?

Fee: $144
Instructor TBA
Session I, 11:30am-1:30pm
Gr. 6-8, Prog. No. 8410-0418

Meet Your Internal Organs

Learn how the human body works. Examine how the stomach breaks down food. Find out how your eye processes color and how your brain "sees" things differently from your eyes. Investigate body systems and how they work together.

Fee: $94
Instructor: TBA
Discovery Camp 4, 2-4pm
Gr. 6-8, Prog. No. 8410-0142

The Night Sky: Facts and Myths

Observe the constellations from different locations on Earth. Learn about our galaxy and our universe with all its galaxies and the methods we use to understand it.

Fee: $144
Jean Creighton
Session III, 2-4pm
Gr. 6-8, Prog. No. 8410-0061

Engineering Wonders

Have you ever wondered how a bridge or airplane is made? Join us as we work in engineering teams to build marvels that really work.

Fee: $144
Instructor TBA
Session II, 9-11am
Gr. 9-12, Prog. No. 8440-4002

Geology

Work with a wide variety of rocks, minerals, and fossils. Use a microscope to observe how crystals grow.

Fee: $144
Instructor TBA
Session I, 2-4pm
Gr. 9-12, Prog. No. 8440-4405

Stellar Science

Explore the science of astronomy: use Galileo’s data to understand the moons of Jupiter; think of ways to quantify the vastness of time and space; try to land a robot through an opaque atmosphere; appreciate the beauty of the night sky and learn some constellations at the UWM Planetarium.

Fee: $94
Jean Creighton
Discovery Camp 2, 2-4pm
Gr. 9-12, Prog. No. 8440-4018

SCE

Grades 6-8

Grades 9-12
### Parent Information

- **Parent/Guardian Name**
- **Mailing Address (For Enrollment Confirmation Information)**
  - **City**
  - **State**
  - **Zip**
- **Weekday/Daytime Phone**
- **Email**

### Method of Payment

- **Check Enclosed. Please Make Checks Payable to:**
  - **UWM COLLEGE FOR KIDS**
- **Credit Card Number**
- **Expiration Date**
- **Name on Card**
- **Parent/Guardian Signature**

### Student's Information

**Student's Name**

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<tr>
<th>1st Student</th>
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<th>3rd Student</th>
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**Discounts** (see inside cover for discount explanation)

- **Discount for multiple classes**
- **Subtotal $___________________**
- **Less gift Certificate or discount amount (if applicable) $___________________**
- **Total $___________________**

**Discount explanation:**

- **Yes! I would like to receive program information by email.**
  - (We do not sell our lists to organizations outside of UWM.)
- **Yes, I would like to donate to SMILE to increase scholarships for children otherwise unable to attend in the amount of $___________________**.

**Please enter the keycode located to the left of the name on the mailing panel.**

- **KEYCODE: __________________**
- **MESSAGE CODE: JL-16-12-W**

**Office use only:** Order #______________ Initials ________________ Date ________________
Find What You’re Searching for this Spring…and Beyond!

### Personal Enrichment
- CFK/CFT
  [sce-kids.uwm.edu](sce-kids.uwm.edu)
- Dean’s Distinguished Lecture
  [sce-events.uwm.edu](sce-events.uwm.edu)
- Educational Travel & Tours
  [sce-travel.uwm.edu](sce-travel.uwm.edu)
- Osher
  [sce-osopher.uwm.edu](sce-osopher.uwm.edu)
- Personal Experiential Learning
  [sce-pel.uwm.edu](sce-pel.uwm.edu)

### Professional Development
- Business & Management
  [sce-business.uwm.edu](sce-business.uwm.edu)
- Career Transitions Center
  [sce-ctc.uwm.edu](sce-ctc.uwm.edu)
- Early Childhood
  [sce-earlychildhood.uwm.edu](sce-earlychildhood.uwm.edu)
- Engineering
  [sce-eng.uwm.edu](sce-eng.uwm.edu)
- Human Services
  [sce-humanservices.uwm.edu](sce-humanservices.uwm.edu)
- Internet Technology
  [sce-internet.uwm.edu](sce-internet.uwm.edu)
- Languages
  [sce-languages.uwm.edu](sce-languages.uwm.edu)
- Nonprofit Management
  [sce-nonprofit.uwm.edu](sce-nonprofit.uwm.edu)
- Public Administration
  [sce-publicadmin.uwm.edu](sce-publicadmin.uwm.edu)
- Project Management
  [sce-pm.uwm.edu](sce-pm.uwm.edu)
- Water Technology
  [sce-watertechnology.uwm.edu](sce-watertechnology.uwm.edu)

### Community Development
- Center for Consumer Affairs
  [sce-consumer.uwm.edu](sce-consumer.uwm.edu)
- Center for the Study of the Workplace
  [StudyofWork.com](StudyofWork.com)
- Center for Transportation Education & Development
  [sce-cted.uwm.edu](sce-cted.uwm.edu)
- Center for Urban Community Development
  [sce-urban.uwm.edu](sce-urban.uwm.edu)
- Center for Workforce Development
  [sce-workforce.uwm.edu](sce-workforce.uwm.edu)
- Employment & Training Institute
  [sce-eti.uwm.edu](sce-eti.uwm.edu)
- Youth Work Learning Center
  [sce-youthwork.uwm.edu](sce-youthwork.uwm.edu)

Even when you’re not attending a class, there are many easy ways to stay in touch with SCE!
1. Visit [sce-keepmeposted.uwm.edu](sce-keepmeposted.uwm.edu) to sign up for email/mail updates in the areas that interest you
2. Browse [sce.uwm.edu](sce.uwm.edu) to see all the School has to offer
3. Join participants, alumni, faculty and staff on popular social media outlets – visit [sce-connect.uwm.edu](sce-connect.uwm.edu)
**IMPORTANT INFORMATION**

**SKIP AHEAD!**
Advanced check in: June 3-14, 9am-4pm. Avoid the long lines and get acquainted with campus early by stopping by our office located in the Union, Room W143. Please call 227-3360 (before June 1) or 229-6364 (after June 1) for other questions.

**Check In**
On your child’s first day, check in at the Union Terrace Room, where you will make sure you’ve filled out all the proper paperwork. You will then receive your CFK/CFT drawstring backpack and wristband. (Please note: you need to do this for your first class only. The lines may be long, so please arrive 30 minutes early.)

**Pick Up – Drop Off**
You may pick up or drop off at the Union Circle, 2200 E. Kenwood Blvd., or inside the Union in the Terrace Room (SW corner on the ground floor).

The instructors will bring their students to the Union Terrace at the end of class time. You must pick your child up within 15 minutes of the end of class (i.e. if class ends at 11 am, pick up must be no later than 11:15am). Students will be allowed to wait for their ride either inside at the Union Terrace or outside at the drive-up. (Please make sure your child knows where they are meeting you.)

You will be charged $7 for each 15 minutes you are late. (i.e. 4:16-4:31 would be $7, 4:32-4:47 would be $14 and so on). If your child is not picked up within one hour CFK/CFT will contact the UWM police. Your child will not be allowed to return to classes until the fee has been paid.

Only students who have a signed parental consent form indicating that they can leave unattended will be able to leave without an adult. If your child is to go home on their own, make sure you sign that form. These students will be given “orange” wristbands to wear throughout the program.

**Wristbands**
Wristbands are given out on the first day of a session and are to be worn each day of the program. If your child is enrolled in more than one session, he/she can receive a new band at the beginning of each session. Please bring the old wristband back in order to get a new one. It is your responsibility to make sure your child wears the wristband each day. This is the way we identify our students. The colors tell the staff what privileges the child has, such as leaving campus unattended or not being included in pictures. It also verifies that your child is in our program. Your child will not be allowed to participate in class unless he/she has the wristband on.

**Meals**
Lunch and snacks are not included. Feel free to send food along with your child. Only students with orange wristbands can purchase food on campus.

**Drawstring Backpacks!**
All participants will receive a FREE CFK/CFT drawstring backpack! Backpacks are handed out on the first day when you drop off your child.

**What Not To Bring**
Please do not bring games, toys, trading cards, electronic devices and other similar materials to classes unless the instructor has requested you to do so. CFK/CFT is not responsible for lost, broken or missing items.

**Disciplinary Information**
Disruptive students are taken to the CFK/CFT office and their parents are notified. Continued disruption results in removal from the program.

**Children with Special Concerns**
If your child has special needs or requires medication during camp please contact us before enrolling. This will ensure that we can address all of your concerns.

**Mail List Requests**
To update your name and address, remove your name from our mailing list, or eliminate duplicate mailings, call 414-227-3186. Please refer to your name and address exactly as it appears on the mailing label. Or, fill out the form on our website at sce-kids.uwm.edu.

**Other Important Information**
Do not leave your car unattended in the Union Circle, you will be ticketed by campus police and there is nothing CFK/CFT can do about it! A parking ramp is available just to the east of the Union Circle.

If students are enrolled in back-to-back classes they will be supervised in the Union Terrace room, unless you have given them permission to be unattended.

**Scholarships**
Needs-Based: To be eligible for a limited number of needs-based scholarships, the student must be eligible for free or reduced lunch program. Needs-Based recipients will be notified by phone the 1st week of May.

DPI Pre-College Scholarship Program: Applicants must be going into 6th grade or above, have a 2.5 grade point average in core courses and be eligible for the free or reduced lunch program.

If you qualify for either of these scholarships, please call for an application, contact your school or download forms at www.sce-kids.uwm.edu. Due to the high number of requests, only people receiving scholarships are notified.

**For More Information**
Cindy Ruffert  Liz Sutton
Director  Assistant Director
cfkids@uwm.edu  414-227-3360
sce-kids.uwm.edu

In Partnership with UW-Extension. No Wisconsin tax dollars were used in the printing of this publication.
When Less Means More. Instead of receiving one large school-wide catalog, you can now select from smaller resources that are better targeted to your specific needs. Sign up to receive electronic or printed program materials by visiting sce-keepmeposted.uwm.edu

Connect with us today at www.facebook.com/UWMMKids

"Like" our College for Kids & Teens Facebook page, and reap the benefits! Throughout the year, our fans will be the first to receive class discounts, giveaways, and other exclusive information. Plus, over the summer we’ll post pictures of your kids showcasing all the fun they are having on campus.

School of Continuing Education
(SCE) is the largest provider of noncredit continuing education in Southeastern Wisconsin, with nearly 13,000 participants, 1,000 programs and 600 practitioner instructors. Our state-of-the-art classrooms and conference services are located in downtown Milwaukee – the heart of the city’s business and commercial district. SCE is one of 14 schools and colleges at the University of Wisconsin–Milwaukee.