COLLEGE FOR KIDS & TEENS
Keep Young Minds Active All Summer Long!

SCHOOL OF CONTINUING EDUCATION

WHAT’S INSIDE

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

Registration Opens
January 17
uwm.edu/sce-kids
College for Kids and Teens (CFK/CFT), through the School of Continuing Education (SCE), is a hands-on enrichment program for students entering grades K-12 who have high academic potential, motivation and talent. Established in 1980, the program consists of one- and two-week classes in Creative Arts, Humanities/Social Sciences, Languages & Cultures, Math & Computers, and Science. Taught by UW system faculty or highly qualified and experienced instructors, all programs provide an “academic edge,” and class sizes are limited to 16 students unless otherwise noted.

When and Where?
Classes are held Mon-Fri, June 19-Aug 11 on the UWM campus, unless otherwise noted. Specific class dates/times are included in course descriptions.

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

How Do I Register?
Registration opens Jan 17, 2017. Call, fax in your registration, or go online to uwm.edu/sce-kids to enroll.

(Note: Mailed registrations add several days to the registration process and lessen the likelihood of availability in your desired class.)

Confirmation of Registration
Your receipt and parental permission forms will be emailed to you for completion and return. If you do not provide an email address, you will receive them by mail. You may also visit uwm.edu/sce-kids to download permission forms right away. All participants are encouraged to have their own health insurance, as only limited secondary accident insurance is provided by the university.

Please note: Confirmation dates reflect the entire summer program – June 19-Aug 11. Please refer to the catalog or website for specific dates and times of your registered classes.

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

Please Note

- Kindergartners must be five years old by June 10, and must have prior five-days-a-week school experience to participate in our program. This rule will be strictly enforced and children who do not meet this requirement will be subject to immediate withdrawal without a refund.
- When registering for CFK and CFT, use next year’s grade level.
- Some classes are designed for a broader range of students (e.g. grades 6-12), and others are more specifically targeted – look for grade levels listed next to each program number.
- Select courses have a $5-25 computer lab or material fee included in the price. Flash drive is required for all classes using a computer lab. This will be noted in each class description.
Before and After Care

To make things easier for students and parents, we offer supervised care in the Union Terrace before and after the program day, for a minimal charge. Chaperoning children to or from class is included in the fee. Come early or stay late. You must sign up for the full week.

- **Before Care:**
  - 7:30-9am – $25/week or $45/two-week session
- **After Care:**
  - 4:30-5:30pm – $25/week or $45/two-week session

**Early Morning Dropoff 7:30-9am**

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**Late Afternoon Pickup 4-5:30pm**

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**One-week Discovery Camps**

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**One-week Discovery Camps**

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## Discount
If registering for six or more classes, please use discount code CFK6PLUS to receive 15% off. Does not include before or after care.
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For more information, visit [uwm.edu/sce-kids](http://uwm.edu/sce-kids)
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The UWM Writing Project –
Young Writers’ Academy

Back by popular demand, this University of Wisconsin-Milwaukee Writing Project’s (UWMWP) camp is for aspiring writers who are entering grades 6th through 8th. During the camp, we meet each day in writing groups. This camp is facilitated by Teacher-Consultants (TCs), experienced writers and teachers who are involved in the UWMWP—and these TCs have a common goal of inspiring the imaginations and composition skills of young writers. We will write daily in a creative, supportive environment. While writers of all abilities are welcome, we will focus on some introductory concepts as well as more nuanced, stylistic skills.

During the Young Writers’ Academy, student writers will:

- Explore a variety of genres, including poetry, short fiction, essay/nonfiction writing, and more
- Receive individual instruction and feedback in small groups from UWMWP TCs
- Learn introductory and foundational writing techniques used by professional writers
- Meet and share writing with young writers from all around the state and country
- Engage in the entire writing process: brainstorming, drafting, revising, and editing

Because this writing academy is sponsored by the UWMWP, we utilize a strong curriculum anchored by low teacher-to-student ratios (1 instructor for every 5 or 6 students). This provides the opportunity to build an authentic rapport with student writers, which ultimately allows us to foster a stronger writing community.

The Young Writers’ Academy culminates in a celebration of writing at the end of the week, during which students are encouraged to share their favorite pieces. New and returning participants are welcomed to attend.

$199
Megan Sampson
8410-0439 June 26-30, 9am-1:30pm
Gr. 6-8, Discovery Camp 1

Please note there is a 30-minute, supervised lunch break every day. Please make sure students bring a bagged lunch or, if they have permission to leave unattended, they may bring money to purchase lunch in the UWM Union.

The University of Wisconsin-Milwaukee Writing Project (UWMWP) is an active chapter of the National Writing Project (NWP). Founded in 1974, NWP’s ongoing mission is to provide writing teachers resources and training in order to cultivate new methods of teaching, research on teaching, and a passionately professional writing community. Teacher-Consultants (TCs) participate in an accredited, graduate-level Summer Institute, as well as smaller in-services throughout the year. What makes TCs unique is their pledge and dedication to writing. This passion includes creating new ways to inspire writers of all ages and a personal commitment to their own writing practices.

College for Kids/Teens’ (CFK/T) partnership with the UWMWP allows student writers an opportunity for students to work with three professionally and academically trained TCs per class. These instructors utilize materials from the NWP to create a supportive and engaged writing community, which provides students with a week of invigorating writing experience. Furthermore, both CFK/T and the UWMWP share the goal of community building, and so the TCs selected to work each week are passionate writers from the Metro-Milwaukee community.

The UWM Writing Project –
Introductory Teen Writing Academy

Sponsored by the University of Wisconsin-Milwaukee Writing Project, this writing class is designed for teen students who are interested in practicing writing across three genres: fiction, poetry, and non-fiction/essay. These classes are facilitated by experienced writers and teachers—trained Teacher-Consultants with the UWM Writing Project—who will introduce writing activities that are fun, helpful and inspiring to the imagination.

During the Introductory Teen Writing Academy, student writers will:

- Explore concepts from three genres, including poetry, short fiction, and creative nonfiction/essay
- Choose two genres and produce polished written pieces
- Learn writing techniques used by professional writers
- Receive individual instruction and response in small groups
- Cultivate an initial writing process: brainstorming, free writing, drafting, and revising
- Celebrate writing with a culminating community event designed to share writing with parents, teachers and peers

Since this is a writing academy sponsored by the UWM Writing Project, we utilize a strong curriculum anchored by low teacher-to-student ratios (1 instructor for every 5 or 6 students). This allows us the opportunity to know writers as individuals and foster a stronger writing community.

This camp is open to all students, grades 9-12, who are interested in writing, even if they have not participated in other writing programs (some background in writing is welcomed and encouraged, but not mandatory). Students may bring previous work but will spend the week focusing on new writing projects that fit within our three genres.

$199
Megan Sampson
8440-4014 July 17-21, 9am-1:30pm
Gr. 9-12, Discovery Camp 2

Please note there is a 30-minute, supervised lunch break every day. Please make sure students bring a bagged lunch or, if they have permission to leave unattended, they may bring money to purchase lunch in the UWM Union.

For more information uwm.edu/sce-kids 414-227-3360
SPECIAL WEEK-LONG WRITING PROGRAMS

Creative Writing Camp for Teens: Advanced Writing
This one-week writing camp is for any high school writer who would like to learn and practice advanced writing techniques related to fiction, poetry, and various academic genres of writing. This camp will include an overview of those three genres as well as activities that will help with invention, feedback, revision and publishing. In addition, a professional instructor who is interested in teaching and writing will cover the following:

- Reading samples from fiction, poetry, and academic writing genres
- Writing within each genre with focus placed upon specific, advanced techniques
- How to warm up the writing brain with fun and engaging opening writing activities
- Practicing writing techniques in a supportive and exploratory environment
- Peer review feedback from fellow teen writers and the instructor
- An overview on how to and where to submit work for publication

While writers who have experience in other writing workshops and camps are the target audience for this camp, no experience is necessary for those students who also want to join our strong community and learn for the first time. Participants will receive a personal journal to write in throughout the week and are encouraged to bring laptops or portable writing devices that will help them type their work.

The week will also culminate with an open sharing event to which students may invite family and friends to hear the work cultivated throughout the camp by all writers. If you’re interested in a fun and supportive writing environment, please come join our writing community.

$199
Megan Sampson
8440-4021 July 31-Aug 4, 9am-1:30pm
Gr. 9-12, Discovery Camp 3

Please note there is a 30-minute, supervised lunch break every day. Please make sure students bring a bagged lunch or, if they have permission to leave unattended, they may bring money to purchase lunch in the UWM Union.

Creative Writing Camp for Teens: Fiction & Short Stories
Attention high school and teen writers who want to learn about the specifics of fiction and short story writing, this camp might be for you. This camp will let high school writers work on an ongoing project or start a new one and will be a combination of daily, focused writing and engaging writing activities all related to the craft of fiction writing.

Students who have participated in other writing camps and academies are welcome to attend, as well as students who have had some writing experience but no formal instruction. Fiction writing concepts this camp will cover are:

- Reading and writing about samples from fiction and short stories
- An in-depth analysis of texts from mainstream, literary fiction
- Daily activities that focus on characterization, plot, setting, and perspective
- Writing practice in a supportive environment guided by experienced instructors
- An opportunity to improve through practice and peer review of one piece of writing
- Information on how and where to submit work for publication

All writers will receive a personal journal to write in throughout the week and are encouraged to bring laptops or portable writing devices that will help them type out their work. At the end of the week, students will also have an opportunity to share their work with a larger audience. We look forward to creating a strong community of teen writers.

$199
Megan Sampson
8440-4029 Aug 7-11, 9am-1:30pm
Gr. 9-12, Discovery Camp 4

Please note there is a 30-minute, supervised lunch break every day. Please make sure students bring a bagged lunch or, if they have permission to leave unattended, they may bring money to purchase lunch in the UWM Union.
Mini-Courses Summer ACT Preparation Class
Prerequisite: Students must have a core GPA of 2.5.

Designed to help prepare 11th and 12th graders for the official ACT college entrance exam, you’ll cover math, reading, English, science reasoning and test-taking strategies. An unofficial ACT pre- and post-test experience opportunity is included. The Mini-Courses office will contact you directly once you are officially enrolled to schedule. Available dates for the pre- and post-tests are listed below.

PRE-TEST date options:
Sat, July 15, 8am-12pm OR
Mon., July 17, 5-9pm

POST-TEST date options:
Sat, Aug 5, 8am-12pm OR
Mon., Aug 7, 5-9pm

$185
Mini-Course ACT approved instructors
8440-4009 July 24-Aug 4, 2-4pm
Gr. 11 & 12 only, Session III
Limit 30 students

Please note there will be absolutely no make-up dates, and if you register for this class after the scheduled pre-test dates, you will not have the opportunity to take that test.

Scientific Glass Blowing
(Only 11th & 12th graders accepted into this program. If you sign up and do not meet the grade levels you will not be able to take the class and will not be refunded. This will be strictly enforced.)

The objective of this course is to learn basic scientific glassblowing hand operations and techniques to learn in a “hands-on” fashion how scientific glassware is made for use in the lab by scientists, researchers and students. Each class period begins with a demonstration by the instructor on how to perform a glassblowing seal and then the student will practice that seal for the remainder of the class period.

Dress Code (will be enforced):
• Safety glasses must be worn at all times
• Long hair should be tied back when working around open flames
• Avoid wearing synthetic clothing that will burn and melt when exposed to flames or hot glass
• Roll up long sleeves so they won’t potentially catch of fire
• Cut resistant gloves are available to protect you when cutting glass
• Footwear needs to cover the entire foot up to the, no sandals.

$154
Neal Korfhage
8440-4009 June 26-30, 9-11am
Gr. 11 & 12 only, Discovery Camp 1

8440-4013 July 17-21, 9-11am
Gr. 11 & 12 only, Discovery Camp 2

8440-4020 July 31-Aug 4, 9-11am
Gr. 11 & 12 only, Discovery Camp 3

8440-4028 Aug 7-11, 9-11am
Gr. 11 & 12 only, Discovery Camp 4

Please note the increase in class fee is due to the limit of four students and the nature of curriculum – sign up early to secure your spot.

The Mystery of Sunken Ships
Prerequisite: Must know how to swim.

Join the UWM School of Freshwater Sciences for a week-long field experience exploring sunken ships in the Great Lakes. Students begin their adventure taking weather-related data near Lake Michigan. They will become storm chasers to explore the principles of severe weather in order to identify firsthand how shipwrecks are caused on the Great Lakes. We will start our investigation on the sinking of the Edmund Fitzgerald in Lake Superior. After talking with ship captains and historians we will turn our focus to shipwrecks near Milwaukee to explore the circumstances of the shipwrecks in our back yard. Through our exploration students will have a chance to collect weather data using a variety of scientific instruments, snorkel in a quarry, and board a vessel for a trip on Lake Michigan.

$369
Liz Sutton
July 24-28, 8am-4pm
Gr. 5-8

To Register: Contact Liz at emsutton@uwm.edu or 414-382-1718

Please note this class meets at the UWM School of Freshwater Sciences, 600 E Greenfield Ave, Milwaukee, WI 53204

For more information uwm.edu/sce-kids 414-227-3360
CREATIVE ARTS

Classes are organized by grade level as well as by subject area. Courses that are offered for multiple grade levels are listed below, followed by courses only available for specific age groups. Please note that the curriculum increases in complexity for each grade level.

MULTIPLE GRADE LEVELS

NEW 3-D Paper Module
After folding unit origami modules, students can build three-dimensional polyhedral. Come learn the characteristics of 3-D geometric shapes like polyhedron. Using your own creativity, you can make new style of modules.

$154
Seon Joo So
8410-0430 June 19-30, 2-4pm
Gr. 6-12, Session I

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

$99
Angela Perrow
8410-0455 June 26-30, 2-4pm
Gr. 6-12, Discovery Camp 1

An Artist a Day
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.

$154
Nichole Zahn
8410-0401 June 19-30, 9-11am
Gr. K5-2, Session I
8410-0414 June 19-30, 11:30am-1:30pm
Gr. 3-5, Session I
8410-0427 June 19-30, 2-4pm
Gr. 6-8, Session I

Beginning Guitar
Designed for the beginning guitar student, survey aspects of playing the acoustic guitar and how to be a better musician. Learn basic concepts of how to read music (pitch and rhythm), playing the guitar from written music, music theory and the architecture of the fingerboard, technique, and performance. Please note: Reserve your guitar by July 15 with Brass Bell Music and take advantage of this special rental rate: $10.51/rental for Aug 4-14. (Deposit: $50) Anything reserved after July 15 will be based off of availability, call 414-963-1000. You are welcome to bring your own instrument or find a comparable rate.

$99
Andrew Lardner
8410-0139 Aug 7-11, 11:30am-1:30pm
Gr. 6-12, Discovery Camp 4

Jewelry and Metals – silver rings, stone setting pendants, and glass enamel on jewelry
Make your own jewelry as you explore metal, stone setting, and fused glass in this unique art class. Basic techniques of metalworking will be covered including cutting, drilling, texturing, shaping, enameling, and soldering. Students will learn to work with copper, brass, and sterling silver. We will add amazing faceted stones and cabochons to accent our jewelry. Students will craft a ring, a pendant, and more.

$164
Naomi Snortum & Sarah Benforado
8410-0054, July 24-Aug 4, 11:30am-1:30pm
Gr. 6-12, Session III

Kids on Canvas
Learn to paint on canvas paper, canvas board and stretched canvas using acrylics. Get inspired as you learn the techniques, style and vocabulary of such artists as Renoir, Mondrian, Laurel Burch, Jackson Pollock, Modigliani, Warhol, Sam Francis and Frank Stella.

$154
Em O’Connell
8410-0040 July 24-Aug 4, 9-11am
Gr. 6-8, Session III
8410-0059 July 24-Aug 4, 2-4pm
Gr. 3-5, Session III
NEW Korean Mask Making
Did you know that Korean masks are still prevalent in Korea today? Learn all about the history and culture as you make your very own mask.
$154
Seon Joo So
8410-0027 July 10-21, 2-4pm
Gr. 3-5, Session II

$99
8410-0067 July 17-21, 9-11am
Gr. K5-2, Discovery Camp 2
8410-0082 July 17-21, 11:30am-1:30pm
Gr. 6-12, Discovery Camp 2

NEW Landscape Photography
Capture the elements of nature in a pure representation through photography. We will focus on man-made features or landscapes as we explore the campus inside and out. Please note to bring a camera to class each day to save your photos.
$99
Angela Perrow
8440-4015 July 17-21, 11:30am-1:30pm
Gr. 9-12, Discovery Camp 2
8410-0092 July 17-21, 2-4pm
Gr. 6-8, Discovery Camp 2

NEW Live at the Improv!
Get on your feet and stay on your toes. Learn the fundamentals of improvisation by playing some of the same games that professionals at Comedy Sportz play.
$154
Rachel Zembrowski
8410-0010 July 10-21, 9-11am
Gr. 6-8, Session II
8440-4004 July 10-21, 2-4pm
Gr. 9-12, Session II

NEW Making Mandalas
Mandalas are mesmerizing designs that represent the universe and the wholeness of life. Mandalas have been around for many centuries and still appear today in the modern world. Learn how to plan, structure, and create your own beautiful mandala applying the artistic principles of symmetry, balance and color theory.
$99
Angela Perrow
8440-4031 Aug 7-11, 11:30am-1:30pm
Gr. 9-12, Discovery Camp 4
8410-0147 Aug 7-11, 2-4pm
Gr. 6-8, Discovery Camp 4

NEW Papier-Mâché
French for “chewed paper”, papier-mâché is a sculptural technique that has been around since the time of the ancient Egyptians. In this hands-on class students will learn to build their own papier-mâché sculptures. Don’t be afraid to get a little messy as we form and construct animals, human figures, and other subjects.
$99
Bryce Coppersmith
8440-4022 July 31-Aug 4, 11:30am-1:30pm
Gr. 9-12, Discovery Camp 3
8410-0118 July 31-Aug 4, 2-4pm
Gr. 6-8, Discovery Camp 3

NEW Paper Quilling Flowers
Using colorful corrugated paper, create flowers or figures through quilling. Each grade level progresses with more complex projects.
$154
Seon Joo So
8410-0052 July 24 – Aug 4, 11:30am-1:30pm
Gr. 6-8, Session III
8410-0056 July 24 – Aug 4, 2-4pm
Gr. K5-2, Session III

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.
$154
Erin O'Connell
8410-0018 July 10-21, 11:30am-1:30pm
Gr. 3-5, Session II
8410-0033 July 10-21, 2-4pm
Gr. 6-8, Session II

NEW Pottery
Nothing’s more fun than working with clay. Create pottery pieces using a variety of hand-building techniques: pinch and punch potting, coiling, slab building and more. Projects may include: bird houses, picture frames, mobiles, jewelry and garden ornaments. Please note there is downtime in this class while the pottery is firing/drying, therefore students will utilize this time to prep their room for the art show on the last day of class.
$174
Nicole Woodard
8440-4012 June 19-30, 11:30am-1:30pm
Gr. K5-2, Session I
8440-4026 June 19-30, 2-4pm
Gr. 3-5, Session I
8410-0022 July 10-21, 11:30am-1:30pm
Gr. 6-8, Session II
8410-0026 July 10-21, 2-4pm
Gr. K5-2, Session II
8410-0048 July 24-Aug 4, 11:30am-1:30pm
Gr. 3-5, Session III
8410-0064 July 24-Aug 4, 2-4pm
Gr. 6-12, Session III

NEW Theatre Workshop
Experience the magic of theatre. Explore the craft of theatre, including voice, movement, makeup and costumes. Put it all together to create a short play that we’ll present for family and friends on the final day of class.
$154
Rachel Zembrowski
8410-0015 July 10-21, 11:30am-1:30pm
Gr. K5-2, Session II
8440-4004 July 10-21, 2-4pm
Gr. 9-12, Session II

NEW Watercolor Wonders
Learn how to use watercolors to create graceful and delicately colored artworks. For beginners and for those who have a bit more experience.
$99
Erin O'Connell
8410-0436 June 26-30, 9-11am
Gr. 3-5, Discovery Camp 1
8410-0447 June 26-30, 11:30am-1:30pm
Gr. 6-8, Discovery Camp 1
8410-0450 June 26-30, 2-4pm
Gr. K5-2, Discovery Camp 1
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.

$154
Erin O’Connell
8410-0011 July 10-21, 9-11am
Gr. 6-12, Session II

GRADE K5-2

NEW 3-D Art
Create and decorate 3-D works of art. Learn how to cut out or sculpt our work, and will also practice origami.

$99
Nichole Zahn
8410-0083 July 17-21, 2-4pm
Gr. K5-2, Discovery Camp 2

NEW Got Milk?
Using milk cartons, children will use their imagination to make items such as pencil cases and flower vases. They will build their creativity with recycling products like milk cartons and help save the earth along the way.

$99
Seon Joo So
8410-0093 July 31-Aug 4, 9-11am
Gr. K5-2, Discovery Camp 3

NEW Mixed Art Bag
Explore your creative side. Participants will use clay, charcoal, pastels, watercolors, markers, pencils and much more to visualize and create their own 2-D and 3-D works of art.

$99
Instructor: TBA
8410-0141 Aug 7-11, 2-4pm
Gr. K5-2, Discovery Camp 4

NEW Cross Stitch Fun
Learn how to do basic cross stitch. After practicing, a cross stitch design will be made to take home. For beginners and experienced stitchers alike.

$99
Kim Islas
8410-0087 July 17-21, 2-4pm
Gr. 3-5, Discovery Camp 2

Start Drawing!
Learn the concepts of space, proportion and tone that you can use to create great imagery.

$99
Angela Perrow
8410-0433 June 26-30, 9-11am
Gr. K5-2, Discovery Camp 1

Toot and Play Music on the Precorder
The precorder was developed to give children access to playing an instrument at an earlier age. Students will learn the basics of playing the precorder: technique, reading music, and performing as a group. Students will receive their own precorder to practice on, and they will play music that is familiar to them. Please note that a $10 supply fee has been added to the course to cover the cost of the instruments. Students will keep the precorder and book after the course is over.

$109
Andrew Lardner
8410-0122 Aug 7-11, 9-11am
Gr. K5-2, Discovery Camp 4

Dance Around the World
Come join us as we learn short dances from Irish jigs, American swing, hip-hop, and other styles, while also learning a little bit of history of each style. On the final class day we will travel to various sites to perform the dances we learned throughout the week. A $5 fee is included to cover the cost of the bus transportation. Class will be canceled if we do not get at least eight students to enroll. Enroll early and get your friends to sign up too. See you on the dance floor.

$104
Nancy Weiss-McQuide
8410-0134 Aug 7-11, 11:30am-1:30pm
Gr. 3-5, Discovery Camp 4

GRADE K5-2

Homemade Cards
Nothing beats getting a letter in the mail from someone you love. Learn how to tap your creativity and make your own cards. Create a card for every occasion, including thank you, birthday, thinking of you, congratulations and get well cards. Practice writing a letter to a loved one and put a smile on their face when they get your letter in the mail. Maybe they’ll return the favor!

$154
Erin O’Connell
8410-0045 July 24-Aug 4, 11:30am-1:30pm
Gr. K5-2, Session III

NEW Mixed Art Bag
Explore your creative side. Participants will use clay, charcoal, pastels, watercolors, markers, pencils and much more to visualize and create their own 2-D and 3-D works of art.

$99
Instructor: TBA
8410-0141 Aug 7-11, 2-4pm
Gr. K5-2, Discovery Camp 4

NEW Cross Stitch Fun
Learn how to do basic cross stitch. After practicing, a cross stitch design will be made to take home. For beginners and experienced stitchers alike.

$99
Kim Islas
8410-0087 July 17-21, 2-4pm
Gr. 3-5, Discovery Camp 2

Dance Around the World
Come join us as we learn short dances from Irish jigs, American swing, hip-hop, and other styles, while also learning a little bit of history of each style. On the final class day we will travel to various sites to perform the dances we learned throughout the week. A $5 fee is included to cover the cost of the bus transportation. Class will be canceled if we do not get at least eight students to enroll. Enroll early and get your friends to sign up too. See you on the dance floor.

$104
Nancy Weiss-McQuide
8410-0134 Aug 7-11, 11:30am-1:30pm
Gr. 3-5, Discovery Camp 4

GRADE 3-5

NEW Cross Stitch Fun
Learn how to do basic cross stitch. After practicing, a cross stitch design will be made to take home. For beginners and experienced stitchers alike.

$99
Kim Islas
8410-0087 July 17-21, 2-4pm
Gr. 3-5, Discovery Camp 2

Dance Around the World
Come join us as we learn short dances from Irish jigs, American swing, hip-hop, and other styles, while also learning a little bit of history of each style. On the final class day we will travel to various sites to perform the dances we learned throughout the week. A $5 fee is included to cover the cost of the bus transportation. Class will be canceled if we do not get at least eight students to enroll. Enroll early and get your friends to sign up too. See you on the dance floor.

$104
Nancy Weiss-McQuide
8410-0134 Aug 7-11, 11:30am-1:30pm
Gr. 3-5, Discovery Camp 4

GRADE K5-2

Homemade Cards
Nothing beats getting a letter in the mail from someone you love. Learn how to tap your creativity and make your own cards. Create a card for every occasion, including thank you, birthday, thinking of you, congratulations and get well cards. Practice writing a letter to a loved one and put a smile on their face when they get your letter in the mail. Maybe they’ll return the favor!

$154
Erin O’Connell
8410-0045 July 24-Aug 4, 11:30am-1:30pm
Gr. K5-2, Session III

NEW Mixed Art Bag
Explore your creative side. Participants will use clay, charcoal, pastels, watercolors, markers, pencils and much more to visualize and create their own 2-D and 3-D works of art.

$99
Instructor: TBA
8410-0141 Aug 7-11, 2-4pm
Gr. K5-2, Discovery Camp 4

NEW Cross Stitch Fun
Learn how to do basic cross stitch. After practicing, a cross stitch design will be made to take home. For beginners and experienced stitchers alike.

$99
Kim Islas
8410-0087 July 17-21, 2-4pm
Gr. 3-5, Discovery Camp 2

Dance Around the World
Come join us as we learn short dances from Irish jigs, American swing, hip-hop, and other styles, while also learning a little bit of history of each style. On the final class day we will travel to various sites to perform the dances we learned throughout the week. A $5 fee is included to cover the cost of the bus transportation. Class will be canceled if we do not get at least eight students to enroll. Enroll early and get your friends to sign up too. See you on the dance floor.

$104
Nancy Weiss-McQuide
8410-0134 Aug 7-11, 11:30am-1:30pm
Gr. 3-5, Discovery Camp 4

GRADE K5-2

Homemade Cards
Nothing beats getting a letter in the mail from someone you love. Learn how to tap your creativity and make your own cards. Create a card for every occasion, including thank you, birthday, thinking of you, congratulations and get well cards. Practice writing a letter to a loved one and put a smile on their face when they get your letter in the mail. Maybe they’ll return the favor!

$154
Erin O’Connell
8410-0045 July 24-Aug 4, 11:30am-1:30pm
Gr. K5-2, Session III

NEW Mixed Art Bag
Explore your creative side. Participants will use clay, charcoal, pastels, watercolors, markers, pencils and much more to visualize and create their own 2-D and 3-D works of art.

$99
Instructor: TBA
8410-0141 Aug 7-11, 2-4pm
Gr. K5-2, Discovery Camp 4
Flash Mob Dance Fun
A flash mob is a spontaneous group dance performed in a public place, such as the food court of a mall, or a waiting area of a train station. The dance is not publicized, so it is surprise entertainment for the “audience” of onlookers. Join us to learn a flash mob dance, which will include hip-hop, Zumba, swing and folk dance steps. The last day of class will be spent performing the dance for the enjoyment of performers and audiences on campus. No previous dance experience required, just a desire to try moving to the music, making friends, getting some exercise, and having fun.

$99
Instructor: TBA
8410-0069 July 17-21, 9-11am
Gr. 3-5, Discovery Camp 2

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

$99
Angela Perrow
8410-0124 Aug 7-11, 9-11am
Gr. 3-5, Discovery Camp 4

NEW Playing Music on the Recorder
The recorder has been a staple in elementary education for decades, and for good reason; children love to have the opportunity to play an instrument at an early age. Students will learn the basics of playing the recorder: technique, reading music, and performing as a group. Students will receive a recorder to take home each day and practice on, and they will play music that is familiar to them. Please note that a $10 supply fee has been added to the course to cover the cost of the instruments. Students will keep the recorder and book after the course is over.

$109
Andrew Lardner
8410-0145 Aug 7-11, 2-4pm
Gr. 3-5, Discovery Camp 4

Building a Debate
Logic is the best tool for building a strong case in any debate. Develop and effectively present rational, fact-based arguments on both sides of a selected issue. Practice your delivery in class, because you never know when you’ll have to apply your new knowledge at home with your siblings.

$99
Chad Sorce
8410-0071 July 17-21, 9-11am
Gr. 6-8, Discovery Camp 2
8410-0077 July 17-21, 11:30am-1:30pm
Gr. 3-5, Discovery Camp 2
Michael Mandelman
8440-4017 July 17-21, 2-4pm
Gr. 9-12, Discovery Camp 2

NEW Career Discovery
Students will explore career options through assessments based on interests and skills while learning how to prepare for interviews. Get yourself ready for the next stage of your life as you learn how to make a resume, cover letter and thank you letter. Please note that by registering for this class you provide permission for your child to access the Internet. Flash drive is required.

$164
Matthew Gutierrez
8410-0019 July 10-21, 11:30am-1:30pm
Gr. 6-8, Session II
Limit 15 students
8440-4003 July 10-21, 2-4pm
Gr. 9-12, Session II
Limit 15 students

Bowling 101
Did you know that bowling incorporates math and physics? Learn the history of bowling, proper etiquette and how to find the right ball. From scoring drills to the four-step approach, learn ways to improve your game. The last day of class will be a fun day Cosmic/9 Pin Tap. No prior experience or equipment needed. Course taught by a U. S. Bowling Congress silver-certified coach.

$99
Chad Sorce
8410-0138 Aug 7-11, 11:30am-1:30pm
Gr. 6-12, Discovery Camp 4
8410-0037 June 26-30, 9-11am
Gr. 6-8, Discovery Camp 1
8410-0444 June 26-30, 11:30am-1:30pm
Gr. 3-5, Discovery Camp 1

Castles
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.

$154
Eric Czyzewski
8410-0023 July 10-21, 11:30am-1:30pm
Gr. 6-12, Session II
NEW Come Aboard

What’s your favorite board game? Have you ever wondered how to make a game or wished for the opportunity to design one using your own ideas? We will spend our time imagining and designing unique board games. We will have fun playing them, too.

$154
Sarah O’Connell
8440-4001 July 10-21, 9-11am
Gr. 9-12, Session II
8410-0020 July 10-21, 11:30am-1:30pm
Gr. 6-8, Session II

Delve into Your Memory

Do we really store everything that has ever happened to us in our memory? What’s the best way for you to memorize lists, new words, dates and names? Why do we so often remember something differently than our parents, siblings and friends? How does our brain make memories? What happens when memory fails? Examine your own memory skills, learn techniques for improving memory, play memory games, and examine both the biological and philosophical perspectives on memory.

$99
Eric Czyzewski
8440-4407 June 26-30, 9-11am
Gr. 9-12, Discovery Camp 1
8410-0446 June 26-30, 11:30am-1:30pm
Gr. 6-8, Discovery Camp 1

NEW Fantasy Workshop

Many kids love to read fantasy novels like “Lord of the Rings.” Most of them do not have the chance to design their own characters and write their own stories. Spend the week going where most students do not. Use your imagination to craft and write about characters from your wildest dreams.

$99
Sarah O’Connell
8410-0127 Aug 7-11, 9-11am
Gr. 6-8, Discovery Camp 4
8440-4030 Aug 7-11, 11:30am-1:30pm
Gr. 9-12, Discovery Camp 4
8410-0143 Aug 7-11, 2-4pm
Gr. 3-5, Discovery Camp 4

NEW Kitchen Kids

One cup of flour, one tablespoon of salt: have you ever wondered what these measurements mean? Cooking for one is easy, but how can you use the same recipe to cook for three? How about 10? In this class you will learn the math and measurements that chefs use on a daily basis to make the dishes we enjoy. Join us in this non-bake cooking class as we experiment with recipes. Non-bake treats will be made and tested by participants. Please note this is not a cooking class and food will not be eaten every day.

$99
Instructor: TBA
8410-0066 July 17-21, 9-11am
Gr. K5-2, Discovery Camp 2
8410-0078 July 17-21, 11:30am-1:30pm
Gr. 3-5, Discovery Camp 2

NEW Map & Compass Skills

Orienteering is an awesome sport that requires navigational skills using a map and compass to get from point to point. Students will gain valuable skills such as how to use a compass, learn to follow a map to a specific location, follow written directions to a specific location and how to recognize a topographical map and explain its function. Please note that students will spend a significant amount of time walking outside.

$154
Instructor: TBA
8410-0415 June 19-30, 11:30am-1:30pm
Gr. 3-5, Session I
8410-0422 June 19-30, 2-4pm
Gr. K5-2, Session I

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.

$99
Instructor: TBA
8410-0103 July 31-Aug 4, 11:30am-1:30pm
Gr. K5-2, Discovery Camp 3
8410-0114 July 31-Aug 4, 2-4pm
Gr. 3-5, Discovery Camp 3

Exploring Martial Arts

Learn about the different types of martial arts and the countries they come from. Discover how martial arts were used in the past and how we use them today. Students will learn some basic movements, including stances, blocks and kicks, as well as verbal defense (using words to de-escalate a conflict). This is a high-energy, interactive program, with an emphasis on respect toward teachers, parents and peers, and using self-discipline at school and at home. Students completing the class will earn their white belts and have the opportunity to earn an achievement medal by practicing and completing acts of self-discipline at home. Please note: An additional per-student fee of $10 will be applied to cover the costs of belts and boards (for breaking), please bring cash or check (payable to: J.K. Lee Black Belt Academy) to first day of class. This class has K5-5th and 3rd-8th grade ranges.

$154
J.K. Lee Black Belt Academy
8410-0403 June 19-30, 9-11am
Gr. K5-5, Session I
8410-0039 July 24-Aug 4, 9-11am
Gr. 3-8, Session III

NEW  Passing Strange
In this course, students will gather strange images and objects to inspire their writing and art work. The class allows students to take images that look bizarre or comical and use them to challenge their assumptions about valuable subjects in writing and art.

$99
Sarah O’Connell
8410-0097 July 31-Aug 4, 9-11am
Gr. 3-5, Discovery Camp 3
8410-0108 July 31-Aug 4, 11:30am-1:30pm
Gr. 6-8, Discovery Camp 3

NEW  Speech Communication
Come join us as we learn techniques to speak in front of an audience with ease. You will practice the skill by giving a number of different types of speeches. We will regularly visit the library and the computer lab so that students may research their speeches. A teacher-completed checklist will be given to students as an evaluation of their communication abilities. Please note that by registering for this class you provide permission for your child to access the Internet. Flash drive is required.

$164
Shannen Webb
8410-0419 June 19-30, 11:30am-1:30pm
Gr. 6-8, Session I
Limit 15 students
8440-4405 June 19-30, 2-4pm
Gr. 9-12, Session I
Limit 15 students

Sports Collectibles
Learn about the history of collecting cards and memorabilia. Explore how to start, protect and assess your collection.

$99
Chad Sorce
8410-0101 July 31-Aug 4, 9-11am
Gr. 6-12, Discovery Camp 3
8410-0107 July 31-Aug 4, 11:30am-1:30pm
Gr. 3-5, Discovery Camp 3

Study Skills & Test Taking Strategies
It’s never too early to learn effective study habits, test-taking strategies and techniques. This class is designed to help you improve your learning effectiveness, attitudes and motivation. Session topics include time management, concentration, note-taking skills, textbook study methods, and critical-thinking skills.

$154
Shannen Webb
8440-4006 July 24-Aug 4, 9-11am
Gr. 9-12, Session III
8410-0053 July 24-Aug 4, 11:30am-1:30pm
Gr. 6-8, Session III
8410-0060 July 24-Aug 4, 2-4pm
Gr. 3-5, Session III

The Cold War
Most of you have heard about the Cold War, but what did it all involve? See how spies learned about our enemies, stole secrets and escaped. Also see how the Cold War changed life right here in Wisconsin, with the creation of missile bases around Milwaukee.

$99
Chad Sorce
8410-0129 Aug 7-11, 9-11am
Gr. 6-12, Discovery Camp 4

The Writer’s Den
Imagine a week filled with chances to write creatively. The Writer’s Den will be a place to exchange ideas about character, setting, plot design, and all of the other elements that are necessary to a well-told story. There will be surprising prompts and helpful feedback for all who attend. Sharpen your pencil, and be bold enough to step into the den.

$99
Sarah O’Connell
8410-0435 June 26-30, 9-11am
Gr. 3-5, Discovery Camp 1
8440-4414 June 26-30, 2-4pm
Gr. 9-12, Discovery Camp 1
### New Want to be a CARD SHARK?

Come join us as we explore some favorite card games and learn the strategies behind them. Canasta, Crazy 8, King’s Corners, Solitaire – are just a few of the card games that you will play in this class. By the end, you’ll be so good you will be able to teach your family and friends.

**$154**
Instructor: TBA  
8410-0006 July 10-21, 9-11am  
Gr. 3-5, Session II

**$99**
Matthew Gutierrez  
8410-0119 July 31-Aug 4, 2-4pm  
Gr. 6-8, Session II

### New World War I Battles

Learn about the devastating “War to End all Wars.” Topics include battles, weapons, technology, leaders, and life as a soldier.

**$154**
Eric Czyzewski  
8410-0012 July 10-21, 9-11am  
Gr. 6-12, Session II

### New Writing for Television

Learn how to develop characters, theme, plot and dialogue while developing a script outline for a television show.

**$154**
Matthew Gutierrez  
8410-0043 July 24-Aug 4, 9-11am  
Gr. 6-8, Session III  
8440-4008 July 24-Aug 4, 11:30am-1:30pm  
Gr. 9-12, Session III

## Grade 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.

**$99**
Jen Bertrand-LaDuke  
8410-0048 June 26-30, 2-4pm  
Gr. K5-2, Discovery Camp 1

### New Detective Club

Join me as we read mystery books and complete case files together. What are the clues? Who are the suspects? Together we will solve the mystery!

**$154**
Jordan Lind  
8410-0013 July 10-21, 11:30am-1:30pm  
Gr. K5-2, Session II

### New My Place in the World

Students will explore their neighborhoods, as well as their city, state and country. We will travel around the world discovering geography, culture and art. Book your next trip today.

**$99**
Erin O’Connell/Sarah O’Connell  
8410-0042 June 26-30, 11:30am-1:30pm  
Gr. K5-2, Discovery Camp 1

### Phonics & Penmanship

Who says penmanship is a lost art? Learn correct letter formation and develop your ability to sound out words through this interactive course. Use fun games and printing activities to help you become a better printer and speller. You will also learn beginning sentence writing.

**$154**
Jen Bertrand-LaDuke  
8410-0057 July 24-Aug 4, 2-4pm  
Gr. K5-2, Session III

### New Playground Games

Learn sportsmanship, rules, make friends and have fun this summer playing games. Enjoy a stretching warm up and then play games such as kickball, capture the flag and relay races. Come dressed for fun and ready to play.

**$99**
Tim Nickel  
8410-0131 Aug 7-11, 11:30am-1:30pm  
Gr. K5-2, Discovery Camp 4

### Reading Made Easy

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.

**$154**
Becca Lind  
8410-0413 June 19-30, 11:30am-1:30pm  
Gr. K5-2, Session I

### Taste of CFK

Can’t make up your mind? Get a taste of all that CFK has to offer. Explore a different subject area every day, including creative arts, culture, humanities, math and science.

**$154**
Princess High  
8410-0046 July 24-Aug 4, 11:30am-1:30pm  
Gr. K5-2, Session III

### Wild Kingdom

Join us for some wild adventures to learn about a variety of jungle animals. Investigate where they live, what they eat and what we can do to protect them.

**$99**
Princess High  
8410-0076 July 17-21, 11:30am-1:30pm  
Gr. K5-2, Discovery Camp 2
NEW Write and Design Your Own Book
In this class we will make a new book every day, filling each with our very own creative ideas. You can make picture books, story books, and journals. Come learn how to make books and have fun filling them.
$154
Instructor: TBA
8410-0003 July 10-21, 9-11am
Gr. K-2, Session II

GRADE 3-5

Book Club
We will be reading “Poppy”, by Avi. The book will be read and discussed in class, so there’s no need to purchase or read the book ahead of time. The class will discuss characterization, plot, themes and lessons that we find in the book. The last day we will dissect owl pellets, as Poppy involves an owl as one of the characters. Spend a week with a good book.
$99
Kim Islas
8410-0451 June 26-30, 2-4pm
Gr. 3-5, Discovery Camp 1

NEW Book Making
Do you know the difference between an accordion book or a flip book? Come join us as we discuss the different types of books and then let your imagination wander as you create your own book.
$99
Kim Islas
8410-0443 June 26-30, 11:30am-1:30pm
Gr. 3-5, Discovery Camp 1

NEW My Perfect Game
This is a writing class for students who like sports. Have you ever wanted to write about your most successful game or the game you have yet to play? Have you ever wanted to take on the persona of a favorite athlete? Practice writing our own stories about sports. We will also try to assume the voices of famous sports stars in our writing. Join us for a week of creative, playful writing. Are you game?
$154
Sarah O’Connell
8410-0028 July 10-21, 2-4pm
Gr. 3-5, Session II

Six Traits of Writing
Practice writing using the six crucial components—ideas, organization, voice, word choice, sentence fluency and conventions—through hands-on, interactive exercises. Build confidence, and have fun while writing.
$99
Kim Islas
8410-0070 July 17-21, 9-11am
Gr. 3-5, Discovery Camp 2

GRADE 6-8

NEW 2-point Perspective Downtown Design
In this class you will recreate the skyline of downtown Milwaukee. You will learn how to use 2-point perspective drawing to create a vibrant view of the downtown of your dreams.
$99
Chris Pfaller
8410-0080 July 17-21, 11:30am-1:30pm
Gr. 6-8, Discovery Camp 2

NEW Autobiography Scrapbooking
Want the opportunity to take all the experiences you have had in your life up to this point and put them in chronological order in your very own book about YOU? Get ready to gather photos, keepsakes, and develop writings to make your scrapbook a more complete representation of you. Bring all of your interesting stories and creative energy as you develop your narrative and descriptive writing skills to create your own autobiography scrapbook.
$99
Instructor: TBA
8410-0454 June 26-30, 2-4pm
Gr. 6-8, Discovery Camp 1

NEW Celtic, Norse, Slavic, and Arthurian Myth
This is a social science course that examines the ideas about the divine and the human in the ancient religious stories of the UK, Central Europe and Scandinavia. We will address the interaction of the three cultures, investigate their beliefs in: creation, the divinities and heroes. We will also examine the stories of the 20th century that were inspired by these myths, from Tolkien to Lewis.
$99
Shannen Webb
8410-0090 July 17-21, 2-4pm
Gr. 6-8, Discovery Camp 2

NEW Leadership Skills
Do you like being the center of attention wherever you go? Do you strive to become a leader? Take this class to gain the necessary leadership skills to achieve positive self-esteem, confidence, and the ability to be a positive role model. Students will learn strategies to become effective communicators and sharpen their positive character traits. Emphasis is placed on understanding your personal traits, values, characteristics and building a foundation for continued leadership development.
$99
Instructor: TBA
8410-0146 Aug 7-11, 2-4pm
Gr. 6-8, Discovery Camp 4
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.
$154
Eric Czyzewski
8410-0032 July 10-21, 2-4pm
Gr. 6-8, Session II

GRADE 9-12

Ace Academic Writing: Strategies for Crafting an Excellent Essay
Do words like hook sentence, thesis statement, body paragraphs, and conclusion make you want to hide under your bed? Well, fear not! We will discuss the meaning behind those key terms, and we will use our newfound knowledge to organize mini-essays. These mini-essays will provide the ideas and the structures we need to organize early drafts in order to turn them into polished pieces of writing. Join us for a week filled with tips that will make writing fun.
$99
Sarah O'Connell
8440-4024 July 19-30, 9-11am
Gr. 9-12, Session I

NEW College Readiness
High school students will explore scholarship options. Prepare to file for FASFA and work on college essays. Please note that by registering for this class you provide permission for your child to access the Internet. Flash drive is required.
$104
Matthew Gutierrez
8440-4012 July 17-21, 9-11am
Gr. 9-12, Discovery Camp 2
Limit 15 students

NEW Understanding Participatory Culture
Do you blog about a favorite fandom? Do you write fan fiction? If so, you are involved in what is known as participatory culture. Come learn about the history of fandom and how digital culture is shaping audiences’ relationships with some of your favorite movies, TV shows, musical bands, and novels. Possible activities include: developing Tumblr posts, writing fan fiction, researching a fandom’s social media presences and more. Please note that by registering for this class you provide permission for your child to access the Internet. Flash drive is required.
$104
Jessica Johnston
8440-4033 Aug 7-11, 2-4pm
Gr. 9-12, Discovery Camp 4
Limit 15 students

NEW AP Prep Course
Would you like to earn college credits even before you get to the school of your dreams? Taken each May by students all over the world, the AP Exam is the final step after a year of hard work in an AP class. Imagine being able to graduate earlier. This workshop will give you the skills to study for, prepare, and build a plan towards getting a “5” on your AP Exam.
$99
Syed Ahmed
8440-4411 June 26-30, 11:30am-1:30pm
Gr. 9-12, Discovery Camp 1

NEW Representation in Television: The Sci-Fi/Fantasy Genre
Doctor Who, Firefly, and Buffy the Vampire Slayer have given us some of the most compelling characters and powerful narratives in television history – but how do they stack up in terms of representation? Television screenings from well-known series in the sci-fi and fantasy genre will set the stage as we discuss how women, people of color, the LGBTQ+ community, and people with disabilities are portrayed on TV. Please note that all episodes screened will be rated PG-13 or below.
$99
Jessica Johnston
8440-4412 June 26-30, 11:30am-1:30pm
Gr. 9-12, Discovery Camp 1

NEW SAT Workshop
This five-day intensive workshop will cover the major test strategies and most common SAT problem types. The workshop will focus on reinforcing writing skills, study techniques and test taking preparedness for the SAT, covering strategies along with math and verbal skills.
$99
Syed Ahmed
8440-4408 June 26-30, 9-11am
Gr. 9-12, Discovery Camp 1

NEW Introduction to Film Studies
Why do certain films make us feel different emotions? How do they help us reflect on critical issues in our society? This class will explore methods of analysis used in understanding the art of filmmaking and the philosophies it raises. Whether you are an aspiring filmmaker or are just interested in going deeper – “Inception”-style – into some of your favorite movies, Intro to Film Studies will challenge you to think differently about cinema. Please note all films screened will be rated PG-13 or below.
$154
Jessica Johnston
8440-4010 July 24-Aug 4, 2-4pm
Gr. 9-12, Session III

NEW World Religions & Cultures
This course is a study of the historical development of world religion from pre-civilization to the development of the major religions of India, (Hinduism Jainism, Buddhism, and Sikhism), the Far East (Taoism, Confucianism, and Shintoism), and the Near East (Zoroastrianism, Judaism, Christianity, and Islam).
$99
Syed Ahmed
8440-4415 June 26-30, 2-4pm
Gr. 9-12, Discovery Camp 1

NEW Travel Planning
There’s more to traveling than getting on a plane. Learn how to plan an entire trip to an area of your choice. We’ll cover cross-cultural communication, transportation, budgeting, food, different types of accommodations, and other skills necessary for independent travel.
$154
Shannen Webb
8410-0410 June 19-30, 9-11am
Gr. 9-12, Session I

NEW Introduction to Film Studies
Why do certain films make us feel different emotions? How do they help us reflect on critical issues in our society? This class will explore methods of analysis used in understanding the art of filmmaking and the philosophies it raises. Whether you are an aspiring filmmaker or are just interested in going deeper – “Inception”-style – into some of your favorite movies, Intro to Film Studies will challenge you to think differently about cinema. Please note all films screened will be rated PG-13 or below.
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This five-day intensive workshop will cover the major test strategies and most common SAT problem types. The workshop will focus on reinforcing writing skills, study techniques and test taking preparedness for the SAT, covering strategies along with math and verbal skills.
$99
Syed Ahmed
8440-4408 June 26-30, 9-11am
Gr. 9-12, Discovery Camp 1

NEW Understanding Participatory Culture
Do you blog about a favorite fandom? Do you write fan fiction? If so, you are involved in what is known as participatory culture. Come learn about the history of fandom and how digital culture is shaping audiences’ relationships with some of your favorite movies, TV shows, musical bands, and novels. Possible activities include: developing Tumblr posts, writing fan fiction, researching a fandom’s social media presences and more. Please note that by registering for this class you provide permission for your child to access the Internet. Flash drive is required.
$104
Jessica Johnston
8440-4033 Aug 7-11, 2-4pm
Gr. 9-12, Discovery Camp 4
Limit 15 students

NEW World Religions & Cultures
This course is a study of the historical development of world religion from pre-civilization to the development of the major religions of India, (Hinduism Jainism, Buddhism, and Sikhism), the Far East (Taoism, Confucianism, and Shintoism), and the Near East (Zoroastrianism, Judaism, Christianity, and Islam).
$99
Syed Ahmed
8440-4415 June 26-30, 2-4pm
Gr. 9-12, Discovery Camp 1
LANGUAGES & CULTURES

Classes are organized by grade level as well as by subject area. Courses that are offered for multiple grade levels are listed below, followed by courses only available for specific age groups. Please note that the curriculum increases in complexity for each grade level.

### MULTIPLE GRADE LEVEL

**NEW Advanced Korean Language**
If students can read Korean alphabets, they will be able to learn advanced Korean in this class as well as conversation tips and taking Korean fluency tests such as SAT II Subject Korean and TOPIK. They will gain an understanding of Korean writings, K-pop song contents, news and much more. Practice Korean language while becoming familiar with Korean culture.

$154  
Seon Joo So  
8440-4401 June 19-30, 9-11am  
Gr. 9-12, Session I  
8410-0417 June 19-30, 11:30am-1:30pm  
Gr. 6-8, Session I

**NEW Be a Spanish Detective!**
Pre-requisite: Successful completion of a Spanish 1 course. Solve mini-mysteries using logic, clues and observation. Team with a partner to gather information from witnesses and experts about possible suspects, motives and methods. Play the part of a witness or suspect. This class is NOT suitable for beginner students.

$99  
“Profe Pat” Pat Prosser  
8440-4019 July 31-Aug 4, 9-11am  
Gr. 9-12, Discovery Camp 3  
8410-0136 Aug 7-11, 11:30am-1:30pm  
Gr. 6-8, Discovery Camp 4

**NEW German Fairy Tales**
Come join us as we learn about the German language and culture through German fairy tales. Who were the Brothers Grimm? Read some of their famous stories and re-write a fairy tale into modern times. What characteristics of fairy tales will you use when you create your own fairy tale?

$154  
Janelle Pfaller  
8410-0099 July 10-21, 9-11am  
Gr. 6-8, Session II  
8410-0017 July 10-21, 11:30am-1:30pm  
Gr. 3-5, Session II  
8410-0025 July 10-21, 2-4pm  
Gr. K5-2, Session II

**NEW Introduction to Arabic**
Learn to communicate using the basics of Arabic. Come join us for some fun while singing, acting and exploring some Arabic cultures.

$99  
Ruba AlSaman  
8410-0036 July 24-Aug 4, 9-11am  
Gr. K5-2, Session III  
8410-0049 July 24-Aug 4, 11:30am-1:30pm  
Gr. 3-5, Session III  
8410-0063 July 24-Aug 4, 2-4pm  
Gr. 6-8, Session III

**NEW Say it in French**
Learn French expressions, songs, and play skits in French. Find out about France’s most popular monuments and food along the way as we spend two weeks exploring the French culture.

$154  
Ruba AlSaman  
8440-0036 July 24-Aug 4, 9-11am  
Gr. K5-2, Session III  
8410-0125 Aug 7-11, 9-11am  
Gr. 3-5, Discovery Camp 4  
8410-0142 Aug 7-11, 2-4pm  
Gr. K5-2, Discovery Camp 4

**NEW Spanish – Birthdays, Holidays and Festivals**
We will talk about dates, holidays and celebrations using the numbers 1-99, words for days, months and seasons, along with the names of some of the holidays in Spanish-speaking countries; (San Fermin, Dia de los Muertos, Carnaval, etc.) We will also practice conversations for getting to know someone; greetings and introductions, addresses and telephone numbers.

$99  
“Profe Pat” Pat Prosser  
8410-0125 Aug 7-11, 9-11am  
Gr. 3-5, Discovery Camp 4  
8410-0142 Aug 7-11, 2-4pm  
Gr. K5-2, Discovery Camp 4

**NEW Spanish – Social and Folkloric Dances**
We will learn several important basic steps used in most types of social and folkloric dances. Have fun learning the Mexican Mixer, Número Cinco, La Macarena and others (The Chicken Dance and the Bunny Hop in Spanish). We will practice words for directional terms (right, left, forward, back), numbers 1-12, and some body part terms (arm, leg, hand, foot,head, neck, hip, etc.). This is a physically active class. Wear appropriate/secure shoes (no flip-flops).

$99  
“Profe Pat” Pat Prosser  
8410-0104 July 31-Aug 4, 11:30am-1:30pm  
Gr. K5-2, Discovery Camp 3  
8410-0116 July 31-Aug 4, 2-4pm  
Gr. 3-5, Discovery Camp 3

**NEW 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.

$99  
Christopher Rawlings  
8440-4410 June 26-30, 11:30am-1:30pm  
Gr. 9-12, Discovery Camp 1  
8410-0068 July 17-21, 9-11am  
Gr. 3-5, Discovery Camp 2  
8410-0074 July 17-21, 11:30am-1:30pm  
Gr. K5-2, Discovery Camp 2  
8410-0089 July 17-21, 2-4pm  
Gr. 6-8, Discovery Camp 2

**NEW Celebrate Around the World**
Discover the holidays celebrated all over the world. Have fun as you learn about the stories, legends, food and games of cultures around the globe.

$154  
Princess High  
8410-0009 July 24-Aug 4, 9-11am  
Gr. K5-2, Session III  
8410-0049 July 24-Aug 4, 11:30am-1:30pm  
Gr. 3-5, Session III  
8410-0063 July 24-Aug 4, 2-4pm  
Gr. 6-8, Session III

**NEW 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.

$99  
Christopher Rawlings  
8440-4410 June 26-30, 11:30am-1:30pm  
Gr. 9-12, Discovery Camp 1  
8410-0068 July 17-21, 9-11am  
Gr. 3-5, Discovery Camp 2  
8410-0074 July 17-21, 11:30am-1:30pm  
Gr. K5-2, Discovery Camp 2  
8410-0089 July 17-21, 2-4pm  
Gr. 6-8, Discovery Camp 2

**NEW 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.

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8440-4410 June 26-30, 11:30am-1:30pm  
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8410-0068 July 17-21, 9-11am  
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8410-0074 July 17-21, 11:30am-1:30pm  
Gr. K5-2, Discovery Camp 2  
8410-0089 July 17-21, 2-4pm  
Gr. 6-8, Discovery Camp 2

For more information uwm.edu/sce-kids  
414-227-3360
MATH & COMPUTERS

Classes are organized by grade level as well as by subject area. Courses that are offered for multiple grade levels are listed below, followed by courses only available for specific age groups. Please note that the curriculum increases in complexity for each grade level.

MULTIPLE GRADE LEVELS

App Inventor
Create your very own app, from the simplest app to a complex game. You will use App Inventor, a free, cloud-based application in which you create apps with blocks instead of programming in Java. Have fun while learning software engineering concepts like logics, variables, loops and data types. Please note that by registering for this class you provide permission for your child to access the Internet. Flash drive is required.

$104
Michael Anderson
8410-0149 Aug 7-11, 2-4pm
Gr. 6-12, Discovery Camp 4
Limit 15 students

NEW Computer Coding, Puzzles, and Fun!
Join us in solving challenging puzzles and developing interactive games. Create programs to solve problems and develop interactive games or stories to share. You will work with characters from Minecraft, Frozen, Star Wars, or Angry Birds. After completing the class students will be presented with a certificate for demonstrating understanding of basic concepts of computer science. Please note that by registering for this class you provide permission for your child to access the Internet. Flash drive is required.

$164
Daryl Kirchen
8410-0050 July 24-Aug 4, 11:30am-1:30pm
Gr. 6-8, Session III
Limit 15 students

8410-0058 July 24-Aug 4, 2-4pm
Gr. 3-5, Session III
Limit 15 students

Developing Video Games
Have you ever wanted to develop your own video game? Use Game Maker and other related game design tools to learn how video games work and how to design one of your own. Amaze your friends and family with your creativity by developing a simple and fun game complete with sound, graphics and animation. Please note that by registering for this class you provide permission for your child to access the Internet. Flash drive is required.

$164
Daryl Kirchen
8410-0050 July 24-Aug 4, 11:30am-1:30pm
Gr. 6-8, Session III
Limit 15 students

8410-0058 July 24-Aug 4, 2-4pm
Gr. 3-5, Session III
Limit 15 students

NEW PC Repair Time
Would you love to take the first steps toward learning all about the functionality of computers? Come learn to build, repair, and maintain computers while also discovering the functions of hardware devices, operating systems and so much more.

$99
Instructor: TBA
8410-0110 July 31-Aug 4, 11:30am-1:30pm
Gr. 6-12, Discovery 3
8410-0115 July 31-Aug 4, 2-4pm
Gr. 3-5, Discovery 3

NEW Programming Primer
Get a step-by-step introduction to the core concepts of programming and then put your new skills to the test as you control; graphics and animations. Participants will experiment with Python, a modern, flexible programming language used in apps, games and more. Get comfortable with coding and apply your own creativity to extend and customize your projects. Please note that by registering for this class you provide permission for your child to access the Internet. An additional $10 fee has been added to the course in order to cover the charge of using the software needed.

$174
UWM CEAS faculty/staff
8410-0042 July 24-Aug 4, 9-11am
Gr. 6-8, Session III
Limit 15 students
8440-4007 July 24-Aug 4, 11:30am-1:30pm
Gr. 9-12, Session III
Limit 15 students

Minecraft
Think Minecraft is just a video game? Think again. You can create, explore and put problem solving-skills to the test with story boarding and level design. Learn logic using machines and the mechanics behind the game. Gain a greater understanding of what makes Minecraft function so you can conquer The Nether, The end, and beyond! Please note that students are required to have a Minecraft account purchased for a PC prior to class start date and come to class prepared with login information. Registering for this class you provide permission for your child to access the Internet. Flash drive is required.

$104
Michael Anderson
8410-0128 Aug 7-11, 9-11am
Gr. 6-8, Discovery Camp 4
Limit 15 students

8410-0135 Aug 7-11, 11:30am-1:30pm
Gr. 3-5, Discovery Camp 4
Limit 15 students
Web Page Design
Delve even deeper into the Web as you create your own webpage 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. Please note this is not a class for beginners. Students should have some computer experience, including use of the Internet. Registering for this class you provide permission for your child to access the Internet. Flash drive is required.

$164
Montreal Cain
8410-0406 June 19-30, 9-11am
Gr. 3-5, Session I
Limit 15 students

8410-0420 June 19-30, 11:30am-1:30pm
Gr. 6-8, Session I
Limit 15 students

8440-4406 June 19-30, 2-4pm
Gr. 9-12, Session I
Limit 15 students

#10 and Beyond
Calling all young minds with a curiosity for numbers. Learn mathematical concepts, including patterning, place value, shapes and estimating, to solve problems and challenges. Please note this is not a skill-building class. Children must know and recognize numbers 1-10 before class begins.

$154
Jen Bertrand-LaDuke
8410-0044 July 24-Aug 4, 11:30am-1:30pm
Gr. K5-2, Session III

Charts & Graphs Everywhere!
Graphing, charting and organizing data can be a lot of fun. Discover many things to graph, such as gummy worms, M&Ms, the number of times you can hop on one foot, and more.

$154
Princess High
8410-0411 June 19-30, 11:30am-1:30pm
Gr. K5-2, Session I

Discover the Possibilities
UW-Milwaukee School of Continuing Education is the largest provider of professional development in Southeastern Wisconsin. Our flexible learning opportunities are designed to accommodate busy schedules, and all courses are taught by expert instructors with real-world experience.

Take a look at the ways in which our wide variety of programs can improve, energize and enhance your life and career. Your next step starts here!

Engineering Programs • Business Communication
Early Childhood • Human Services
Osher Lifelong Learning Institute

NEW  Internet Research
Learn how to find information you need on the internet, along with basic computer skills. Locate websites for a class research project, along with finding and playing fun internet games. Please note that by registering for this class you provide permission for your child to access the Internet. Flash drive is required.

$104
Nichole Zahn
8410-0075 July 17-21, 11:30am-1:30pm
Gr. K5-2, Discovery Camp 2
Limit 15 students
Keyboarding: Basics & Beyond
You have to have fingers that can fly! You want digits that dash! Learn to type with accuracy and speed. See your typing skills improve while you have fun learning the basics. Please note that by registering for this class you provide permission for your child to access the Internet. Flash drive is required.

$104
Princess High
8410-0120 Aug 7-11, 9-11am
Gr. K-2, Discovery Camp 4
Limit 15 students

MadaMathaMatics
Are you mad about numbers? Learn problem solving tips and strategies. Estimation will be a plus.

$99
Princess High
8410-0112 July 31-Aug 4, 2-4pm
Gr. K-2, Discovery Camp 3

NEW Make Math Your Friend
Make math your friend will provide exposure to a variety of math concepts including comparing numbers, making equal groups, patterns, estimation, probability, height, and data analysis using charts and graphs.

$99
Princess High
8410-0085 July 17-21, 2-4pm
Gr. K-2, Discovery Camp 2

NEW Math Munchkins
Students are introduced to the construction of math sentences with the plus, minus and equal signs. Concepts such as elapsed time, the measurement of length and width, and 3-D geometry are explored.

$99
Tim Nickel
8410-0094 July 31-Aug 4, 9-11am
Gr. K-2, Discovery Camp 3

Musical Math
Catchy, familiar tunes you know and love are combined with fun, rhyming lyrics to describe essential math skills. Strengthen your math skills through fun melodies and rhythms.

$99
Princess High
8410-0130 Aug 7-11, 11:30am-1:30pm
Gr. K-2, Discovery Camp 4

GRADE 3-5

3-D Box Project
Study consumer boxes and use flat geometric nets (from flattened cubes and pyramids to pentagonal dodecahedrons and much more) in this ongoing project that combines creativity with challenging mathematical thinking. This activity has incredible power to help students in problem-solving, visual literacy, geometry, and measurement skills. They love it and will keep asking for more.

$99
Peter Wilson
8410-0086 July 17-21, 2-4pm
Gr. 3-5, Discovery Camp 2

NEW Be a Math Genius!
Does your child feel overwhelmed with math? Come join us to improve your math talent while learning all the skills to excel in everyday math.

$154
Princess High
8410-0404 June 19-30, 9-11am
Gr. 3-5, Session I

NEW Economics, it’s Not Just for Adults!
Do you get an allowance? Do you save it or spend it? Have you ever provided a service, like pet walking or babysitting? We know you made money, but did you make a profit? These questions and tons more can be answered by knowing about economics! Economics is not just money, it’s about business, too.

$154
Instructor: TBA
8410-0425 June 19-30, 2-4pm
Gr. 3-5, Session I

NEW Geometry
Explore geometry through hands-on activities. You will practice geometry and spatial sense through a variety of activities. We will use mirrors, tangrams, pentominoes, geoboards and more.

$99
Kim Islas
8410-0434 June 26-30, 9-11am
Gr. 3-5, Discovery Camp 1

NEW MathCamp
Problem solving in mathematics is far more complex than translating a word problem into numbers and symbols and applying an established method. It involves finding a path to a solution when there is no clear place to begin. In this course, students learn general strategies for solving problems that involve a wide range of mathematical concepts. Working individually or in small groups, students learn to ask precise and thought-provoking questions, to match appropriate strategies and to effectively communicate their thought processes along the way.

$154
Instructor: TBA
8410-0005 July 10-21, 9-11am
Gr. 3-5, Session II
Math Games
Focus on a new math skill each day, and then play a game to reinforce it. For example, the “Checkbook Game” will review adding, subtracting and money concepts, and “Fracto” will demonstrate fraction concepts. It’s skill and problem-solving practice made fun.
$99
Kim Islas
8410-0079 July 17-21, 11:30am-1:30pm
Gr. 3-5, Discovery Camp 2

Munching Away at Math!
Take a bite out of problem solving as you join in this fun math class using everyday items. You’ll be amazed at the way math helps us through every day puzzles and provides insight into how things work.
$99
Jen Bertrand-LaDuke
8410-0445 June 26-30, 11:30am-1:30pm
Gr. 3-5, Discovery Camp 1

Navigating Through Algebra
Algebra ideas will be introduced, developed and extended. Use algebraic reasoning to engage in and explore patterns, relations and functions through group activities.
$154
Jen Bertrand-LaDuke
8410-0038 July 24-Aug 4, 9-11am
Gr. 3-5, Session III

GRADE 6-8

Algebra Camp
Develop an understanding of some basic algebra concepts as you build models and use exercises to practice your algebraic-thinking skills. No previous knowledge of algebra is necessary for this fun and informal course.
$154
Luis Veloz
8410-0030 July 10-21, 2-4pm
Gr. 6-8, Session II

NEW Exploring Graphing with Desmos
In this class we will graph linear and non-linear functions to create math art. Explore the affect that domain and range have on a function, and use this to create pictures of houses, snowflakes, and even emoji’s! Please note that by registering for this class you provide permission for your child to access the Internet. Flash drive is required.
$104
Chris Pfaller
8410-0091 July 17-21, 2-4pm
Gr. 6-8, Discovery Camp 2

NEW Fun with Interactive Problem Solving
Could you set the world record for clipping paper clips together in 24 hours? How many cereal boxes fit in a classroom? What’s the probability that a two-piece Starburst pack will have exactly one yellow Starburst? Exactly two? In this class, we will answer each of these questions and more.
$99
Chris Pfaller
8410-0072 July 17-21, 9-11am
Gr. 6-8, Discovery Camp 2

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.
$154
Chudamani Poudyal
8410-0408 June 19-30, 9-11am
Gr. 6-8, Session I

NEW I’m a Human Calculator
36x48=? 351-85=? 33/99=? Learn how to solve these problems instantly and become a human calculator in this class. Among the fun of learning math-based magic, your child will learn quick calculation techniques for addition, subtraction, multiplication, and division.
$154
Michael Mandelman
8410-0062 July 24-Aug 4, 2-4pm
Gr. 6-8, Session III

For more information uwm.edu/sce-kids
414-227-3360
Investing 101
Gain knowledge and experience investing in the stock market and learn how to begin your financial path.
$99
Eric Czyzewski
8410-0456 June 26-30, 2-4pm
Gr. 6-12, Discovery Camp 1

NEW PowerPoint and Presentation
Learn about the exciting world of PowerPoint, the high-powered software tool used for presenting information in a dynamic slide show format. Text, charts, graphs, sound effects and video are just some of the elements PowerPoint can incorporate into your presentations with ease. PowerPoint shows you how to make a powerful impression on your audience. You’ll learn the basics on using PowerPoint’s toolbars, laying out your information, saving, moving your information to the place you’ll be presenting it – and much more. Please note that by registering for this class you provide permission for your child to access the Internet. Flash drive is required.
$164
Peter Couto
8410-0031 July 10-21, 2-4pm
Gr. 6-8, Session II
Limit 15 students

NEW What is the Chance?
In this course, students develop a greater understanding of probability and statistics, two areas of mathematics that easily transfer from the classroom to the real world. Students conduct experiments and generate data which they display in graphs, charts, and tables in order to compare the effects of particular variables. Students also explore probability and the study of chance, to learn how to use numerical data to predict future events.
$99
Luis Veloz
8410-0148 Aug 7-11, 2-4pm
Gr. 6-8, Discovery Camp 4

NEW Intermediate Algebra
Learn about interpretation of equations of lines and their graphs, systems of linear equations and their solutions, quadratic equations and properties of graphs of parabolas, graphs of other basic algebraic functions (polynomial, exponential, logarithmic), fractional/rational equations, equations with radicals in them, and interesting applications of all of the above.
$99
Steve Augustine
8440-4011 July 17-21, 9-11am
Gr. 9-10 only, Discovery Camp 2

GRADE 9-12
NEW Discrete Mathematics and Combinatorics
It is good to prepare high school students in the area of Finite Mathematics and Combinatorics. The contemporary high school mathematics curriculum focuses more on continuous mathematics. But for modern computerized digital world they need to understand how we express our practical situations into machine language. To achieve the goal, they should be trained for Discrete Mathematics and Combinatorics. Please note that by registering for this class you provide permission for your child to access the Internet. Flash drive is required.
$104
Chudamani Poudyal
8440-4025 July 31-Aug 4, 2-4pm
Gr. 9-12, Discovery Camp 3
Limit 15 students

NEW Statistics and Probability
Learn about how statistics can be used in everyday life to summarize datasets and draw conclusions from them. Study mean, median, mode, range and quartiles, box-and-line plots, standard deviation, and how to find untrustworthy observations in a dataset. Then learn about using basic probability rules to study probability distributions and make predictions about them.
$99
Steve Augustine
8440-4413 June 26-30, 2-4pm
Gr. 9-12, Discovery Camp 1

Trigonometry
Study triangles and the relationships between their angles and the lengths of their sides. Learn about graphs of trigonometric functions. Enrich your math knowledge and use basic concepts of trigonometry to calculate the height of the tallest tree on campus.
$99
Steve Augustine
8440-4023 July 31-Aug 4, 11:30am-1:30pm
Gr. 9-12, Discovery Camp 3

GRADE 11-12
NEW Pre-Calculus
Pre-calculus is the bridge between intermediate algebra and calculus, and is a great way to get acquainted with ideas about mathematical functions, their graphs, and their solutions. Learn about polynomial functions, exponential functions, logarithmic functions, algebraic sequences and series, geometric sequences and series, the domains and ranges of these function types, and the inverses of these functions. Also see the many useful applications of these functions.
$99
Steve Augustine
8440-4016 July 17-21, 11:30am-1:30pm
Gr. 11-12 only, Discovery Camp 2
Classes are organized by grade level as well as by subject area. Courses that are offered for multiple grade levels are listed below, followed by courses only available for specific age groups. Please note that the curriculum increases in complexity for each grade level.

### MULTIPLE GRADE LEVELS

**NEW Advanced Rocketry!**

This is your chance to build your own rocket and rocket launcher. Learn what it takes to build a rocket and blast off hundreds of feet into the air. You may find yourself working with power tools and also engage with electrical connections. At the end of class, you will be able to take it all home with you and amaze your friends and family. Please note an additional $20 supply fee has been added to cover the cost of the supplies for the rocket launcher each child will keep.

- **$119**
  - Peter Couto
  - 8410-0126 Aug 7-11, 9-11am
  - Gr. 6-8, Discovery Camp 4
  - 8410-0133 Aug 7-11, 11:30am-1:30pm
  - Gr. 3-5, Discovery Camp 4
  - 8410-0140 Aug 7-11, 2-4pm
  - Gr. K5-2, Discovery Camp 4

**Amusement Park Physics**

Explore the world of physics through your favorite amusement park attractions like loop-the-loops, Ferris wheels, swings, roller coasters, and more. Experiment, build and learn physics concepts in a fun, hands-on atmosphere. Learn about friction, gravity, momentum, velocity and other effects of force and motion.

- **$154**
  - Peter Couto
  - 8440-4002 July 10-21, 11:30am-1:30pm
  - Gr. 9-12, Session II

**Chemistry: What in the World Isn’t Chemistry?**

Learn about the nature of chemicals through simple and exciting laboratory experiments. Study chemical properties, and observe their actions and reactions with special emphasis on application to our everyday world.

- **$154**
  - Peter Couto
  - 8410-0407 June 19-30, 9-11am
    - Gr. 6-8, Session I
  - 8440-4403 June 19-30, 11:30am-1:30pm
    - Gr. 9-12, Session I
  - 8410-0424 June 19-30, 2-4pm
    - Gr. 3-5, Session I

**Engineering Wonders**

Have you ever wondered how a bridge or airplane is made? Well, roll up your sleeves and join us as we put our heads together in engineering teams and build marvels that really work.

- **$154**
  - UWM CEAS faculty/staff
  - 8410-0008 July 10-21, 9-11am
    - Gr. 6-8, Session II
  - 8440-4002 July 10-21, 11:30am-1:30pm
    - Gr. 9-12, Session II

**Gizmos and Gadgets**

Bicycles, pianos and scales are simple machines. Did you know that you use levers and gears every day? Learn a few principles of physics and create a few inventions of your own.

- **$99**
  - Mark Rhyner
  - 8440-4005 July 24-Aug 4, 9-11am
    - Gr. 9-12, Session III
  - 8410-0047 July 24-Aug 4, 11:30am-1:30pm
    - Gr. 3-5, Session III
  - 8410-0061 July 24-Aug 4, 2-4pm
    - Gr. 6-8, Session III
  - 8410-0102 July 31-Aug 4, 11:30am-1:30pm
    - Gr. K5-2, Discovery Camp 3

**NEW Go Beyond Geology 101**

Did you know that earthquakes, volcanoes and soil erosion affect all the people of the Earth, even if the geological event occurs halfway around the world? Find out facts like that and so much more as we uncover the Earth’s history. We will also explore the different variety of rocks, minerals, fossils, landforms and the layers of the Earth’s surface.

- **$99**
  - Tim Nickel
  - 8410-0123 Aug 7-11, 9-11am
    - Gr. 3-5, Discovery Camp 4
  - 8410-0137 Aug 7-11, 11:30am-1:30pm
    - Gr. 6-8, Discovery Camp 4
  - 8440-4032 Aug 7-11, 2-4pm
    - Gr. 9-12, Discovery Camp 4

**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! Please note this course helps you prepare for the FIRST (For Inspiration and Recognition of Science and Technology) LEGO® League Wisconsin tournaments in fall 2017.

- **$154**
  - Tina Gleason
  - 8410-0405 June 19-30, 9-11am
    - Gr. 3-5, Session I
  - 8410-0418 June 19-30, 11:30am-1:30pm
    - Gr. 6-8, Session I
  - Tim Nickel
  - 8410-0004 July 10-21, 9-11am
    - Gr. 3-5, Session II
  - 8410-0021 July 10-21, 11:30am-1:30pm
    - Gr. 6-8, Session II

For more information uwm.edu/sce-kids 414-227-3360
LEGO® MINDSTORMS® Robotics II (Advanced)

As an advanced programmer or experienced FIRST LEGO® League competitor, find the challenging and exciting adventure you’ve been looking for. Use advanced programming, special attachments and sensors, and creative problem-solving to complete missions from this year’s FIRST LEGO® League competition. Please note this is not an introductory course, but an extension to LEGO® MINDSTORMS® Robotics.

$154
Tina Gleason
8410-0037 July 24-Aug 4, 9-11am
Gr. 3-5, Session III
8410-0051 July 24-Aug 4, 11:30am-1:30pm
Gr. 6-8, Session III

NEW Microbiology

Microbiology is all about bacteria, viruses, and other small organisms. Students will have the opportunity to grow, identify and exams types of bacteria. They will learn about structures of different microorganisms, diseases, parasites, and cells, as well as, have the chance to take a closer look under the microscope.

$99
Kerry Brown
8410-0081 July 17-21, 11:30am-1:30pm
Gr. 6-8, Discovery Camp 2
8410-0088 July 17-21, 2-4pm
Gr. 3-5, Discovery Camp 2

NEW Organic Farming

Students learn the skills necessary to care for other living things through this organic farming class. Together we will discover where our food comes from. Learn about different crops, collect seeds, make compost, learn about worms, insects and pollinators and explore our natural environment in hands-on science based learning.

$99
Amanda Nickel
8440-4018 July 17-21, 2-4pm
Gr. 9-12, Discovery Camp 2
8410-0041 July 24-Aug 4, 9-11am
Gr. 6-8, Session III

NEW Reactive Science

It is reloaded and retooled so get ready for Reactive Science. We will start with some chemistry right from the kitchen. Then we will work with the wonderful world of magnets. Next, we will try to crack the code of the egg drop (hopefully without cracking anything else). And then we will go to the air with wet and wonderful water rockets. Be prepared to get wet and muddy, so dress appropriately.

$154
Princess High
8410-0035 July 24-Aug 4, 9-11am
Gr. K5-2, Session III
8410-0106 July 31-Aug 4, 11:30am-1:30pm
Gr. 3-5, Discovery Camp 3

NEW Understanding the Science of Nutrition

Students engage in learning about the science of nutrition. Content will include nutrition education in organic versus inorganic foods, carbohydrates, proteins, fats, and nutrients. Students will have the opportunity to take a closer look under the microscope and participate in experiments that explore sugar, iron, germs, and various foods.

$99
Instructor: TBA
8410-0109 July 31-Aug 4, 11:30am-1:30pm
Gr. 6-8, Discovery Camp 3
8440-4026 July 31-Aug 4, 2-4pm
Gr. 9-12, Discovery Camp 3

NEW Plants – What are They all About?

Plant, plants everywhere! Look at the inside and outside of the plants using microscopes to see the different layers. Experience plants through hands on experience through touch, smell and taste. Discover the importance of plants in everyday life. Come enjoy the beauty of plants.

$154
Charlene Osheim
8410-0014 July 10-21, 11:30am-1:30pm
Gr. K5-2, Session II
8410-0029 July 10-21, 2-4pm
Gr. 3-5, Session II

$99
8410-0073 July 17-21, 9-11am
Gr. 6-8, Discovery Camp 2

NEW Medical Camp

Ready to find out what medical science is really all about? Medical campers get clinical by learning the basics of CPR and first aid (they will not be certified). They will also focus on biotechnology by exploring some possible projects such as their blood type, solving crimes using DNA, dissecting real animal specimens, creating bacterial slides to examine under microscopes, and using various medical equipment and implements and so much more! Explore the many career opportunities available in the medical field through hands-on activities, in-depth experiments and possible guest speakers.

$99
Amanda Nickel
8440-4018 July 17-21, 2-4pm
Gr. 9-12, Discovery Camp 2
8410-0041 July 24-Aug 4, 9-11am
Gr. 6-8, Session III

NEW Plants – What are They all About?

Plant, plants everywhere! Look at the inside and outside of the plants using microscopes to see the different layers. Experience plants through hands on experience through touch, smell and taste. Discover the importance of plants in everyday life. Come enjoy the beauty of plants.

$154
Charlene Osheim
8410-0014 July 10-21, 11:30am-1:30pm
Gr. K5-2, Session II
8410-0029 July 10-21, 2-4pm
Gr. 3-5, Session II

$99
8410-0073 July 17-21, 9-11am
Gr. 6-8, Discovery Camp 2

NEW Medical Camp

Ready to find out what medical science is really all about? Medical campers get clinical by learning the basics of CPR and first aid (they will not be certified). They will also focus on biotechnology by exploring some possible projects such as their blood type, solving crimes using DNA, dissecting real animal specimens, creating bacterial slides to examine under microscopes, and using various medical equipment and implements and so much more! Explore the many career opportunities available in the medical field through hands-on activities, in-depth experiments and possible guest speakers.

$99
Amanda Nickel
8440-4018 July 17-21, 2-4pm
Gr. 9-12, Discovery Camp 2
8410-0041 July 24-Aug 4, 9-11am
Gr. 6-8, Session III

NEW Plants – What are They all About?

Plant, plants everywhere! Look at the inside and outside of the plants using microscopes to see the different layers. Experience plants through hands on experience through touch, smell and taste. Discover the importance of plants in everyday life. Come enjoy the beauty of plants.

$154
Charlene Osheim
8410-0014 July 10-21, 11:30am-1:30pm
Gr. K5-2, Session II
8410-0029 July 10-21, 2-4pm
Gr. 3-5, Session II

$99
8410-0073 July 17-21, 9-11am
Gr. 6-8, Discovery Camp 2
NEW 1, 2, 3 Blast Off!
Let’s take a ride on a rocket ship and learn about outer space in this cross-curricular class with activities for every subject. We will visit the moon, sun, stars, and many planets. By the end of this course you will be ready to fill out your astronaut application and lead your own space expedition.
$154
Jordan Lind
8410-0024 July 10-21, 2-4pm
Gr. K5-2, Session II

NEW Experiment Extravaganza
Be ready for anything as we will complete different, hands-on science experiments every day.
$99
Nichole Zahn
8410-0065 July 17-21, 9-11am
Gr. K5-2, Discovery Camp 2

NEW Future Physicist!
It’s time to think like real scientists. Using the scientific method, little brains ponder a variety of physics-related topics. From magnetism to density to friction, these future-physicists learn what it means to make hypotheses, perform experiments, record data, and examine results. Through hands-on projects such as designing a pinball run and constructing a mini-catapult, topics like gravity and motion come alive.
$99
Instructor: TBA
8410-0449 June 26-30, 2-4pm
Gr. K5-2, Discovery Camp 1

NEW Gloss in the Dark Science
Have you ever wondered why a firefly lights up, or how some objects glow in the dark? Discover the science behind luminescence and fluorescence as you make some eye catching projects.
$99
Instructor: TBA
8410-0084 July 17-21, 2-4pm
Gr. K5-2, Discovery Camp 2

NEW Human Anatomy & Physiology
Explore the human body from top to bottom, inside and outside. Take a journey through the muscular, skeletal, respiratory, circulatory, reproductive, and digestive systems of the human body. Use microscopes, models, and hand-on experiments to discover “what makes us tick.”
$99
Instructor: TBA
8410-0440 June 26-30, 11:30am-1:30pm
Gr. K5-2, Discovery Camp 1

NEW Ooze, Drip, Bubble & Bounce
Get an up-close look at science with exciting and somewhat messy experiments. It’s all in the name—if you believe oozing, dripping, bubbling and bouncing make science fun, join us.
$154
Tina Gleason
8410-0055 July 24-Aug 4, 2-4pm
Gr. K5-2, Session III

NEW Organ Investigators
How does your body work? Uncover this great mystery as you learn how your organs, muscles and other body parts rely on each other to keep you going. By the end of the class, you’ll have a life-size “clone” to take home with you.
$154
Becca Lind
8410-0402 June 19-30, 9-11am
Gr. K5-2, Session I

NEW Science Station Milwaukee
Explore the world of science through fun, hands-on experiments.
$99
Instructor: TBA
8410-0121 Aug 7-11, 9-11am
Gr. K5-2, Discovery Camp 4

NEW Sensory Science
Explore all of your senses in this exciting science class. These cool and simple, but effective, science experiments will have you begging for more while stimulating your mind. Come prepared to get your hands dirty with hands-on experiments.
$99
Instructor: TBA
8410-0113 July 31-Aug 4, 2-4pm
Gr. K5-2, Discovery Camp 3

NEW Weather & Nature Club
Join the club that is all about weather and nature. Learn what makes weather wet and wild while doing cool activities and games. Become a forecasting weather specialist. Explore nature while taking a closer look at plants, flowers, bugs, mammals and much more while walking the campus.
$99
Instructor: TBA
8410-0132 Aug 7-11, 11:30am-1:30pm
Gr. K5-2, Discovery Camp 4

Wicked Weather
How does weather change the Earth? What do we know about weather disasters like earthquakes, floods, tornadoes, blizzards and everything else? You live with it every day – now dive in to explore the causes, effects and mysteries of weather.
$154
Becca Lind
8410-0423 June 19-30, 2-4pm
Gr. K5-2, Session I
Young Scientist’s Toolbox
Experiment and measure with scientific tools and everyday items. Learn to use magnets, microscopes, magnifying glasses and measuring cups to explore science.
$99
Instructor: TBA
8410-0095 July 31-Aug 4, 9-11am
Gr. K-2, Discovery Camp 3

GRADE 3-5

Out of this World
Join an exciting trip to space, travel through the solar system and beyond to explore different worlds and the possibility of life outside our planet. Learn through our daily visits to UWM’s Manfred Olson Planetarium how to find constellations in the sky and their myths.
$154
Jean Creighton
8410-0416 June 19-30, 11:30am-1:30pm
Gr. 3-5, Session I

GRADE 6-8

Exploring the World of Horticulture
Do you still like to play in the dirt? Want to know if your thumb is green? The field of horticulture is vast and encompasses both the outdoors and indoors – from farmers to florists, botanists, to entomologists, arborists to landscape designers, architects and contractors. Through projects designed to identify some of these careers, possible projects may include, touring the UWM greenhouse, creating a fresh-cut floral design, potting a small indoor/outdoor plant or maybe even building a miniature terrarium.
$99
Karen Perlewitz (Master Gardener)
8410-0117 July 31-Aug 4, 2-4pm
Gr. 6-8, Discovery Camp 3

Meet Rube Goldberg
Make the most amazing and wacky machine possible, by combining science and your imagination. As you begin to understand the 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)? Build away with Pulitzer Prize-winning cartoonist, sculptor and author Rube Goldberg as your inspiration.
$154
Tina Gleason
8410-0428 June 19-30, 2-4pm
Gr. 6-8, Session I

NEW Pollution Solutions
Students are introduced to different types and sources of pollution such as air, water, and heavy metal pollution. Acid rain, heavy metal contamination, and water testing will be examined in hands-on experiments. Students will also identify contributing factors to pollution and learn ways to prevent it.
$99
Instructor: TBA
8410-0100 July 31-Aug 4, 9-11am
Gr. 6-8, Discovery Camp 3

Stars Galore
Explore the night sky during our daily visit to UWM’s Manfred Olson Planetarium. Jean Creighton, a native of Greece, will share her favorite myths associated with seasonal constellations to help you identify them. Be fascinated by northern lights to galaxies.
$154
Jean Creighton
8410-0429 June 19-30, 2-4pm
Gr. 6-8, Session I

GRADE 9-12

NEW Astronomy, Beasts & Constellations
Dive into astronomical themes such as exoplanets and black holes, listen to stories about mythological beasts such as Hydra and Medusa, and practice identifying many constellations in the night sky when you visit UWM’s Manfred Olson Planetarium daily with Astronomer Jean Creighton.
$154
Jean Creighton
8440-4402 June 19-30, 9-11am
Gr. 9-12, Session I

You asked, we responded!
In the past, many College for Kids and Teens (CFK/T) families have requested that we offer special reading programs. For the first time, the School of Continuing Education and CFK/T are partnering with the Reading Institute to offer “Reading Skills and Speed Reading Programs” for children and adults. Yes adults, you too can enroll to improve your reading skills. For more information check out the flyer on the next page and contact the number listed to enroll this summer.
OFFERED THIS SUMMER IN MILWAUKEE, GLENDALE AND GREENDALE

Program for 4-Year-Olds and Entering Kindergartners
In this fun summer program, your child will learn to read. Children in this program learn letter recognition, beginning phonics, and easy sight words. Your child will learn to read simple words and short sentences, and will develop a love of books and reading.

Program for Entering 1st Graders
Your child will learn to read independently in this fun summer program. Children in this program learn phonics and sight words, improve comprehension, and develop a love of books and reading. Your child will get excited about learning to read and get off to a great start in first grade.

Program for Entering 2nd Graders
In this fun summer program, your child will become a fluent, independent reader. Children in this program build solid phonics and word-attack skills, and develop reading fluency and comprehension. Your child will gain confidence and develop a love of books and reading.

Program for Entering 3rd Graders
Your child will become a strong, fluent reader in this fun summer program. Children in this program develop long-word decoding skills, reading fluency, and good comprehension. Your child will gain confidence and develop a love of books and reading.

Programs for Entering 4th Graders and Entering 5th Graders
In these fun and effective summer programs, your child will become a skilled, enthusiastic reader. Students in these programs develop long-word decoding skills, fluency, and strong comprehension. Your child will complete homework more quickly and easily, be more successful in school, and develop a love of books and reading.

Programs for Entering 6th-8th Graders and Entering 9th-11th Graders
In these effective and enjoyable programs, your student will improve comprehension in both fiction and non-fiction, and will learn to read twice as fast. Students in these programs learn the best way to read textbooks, take notes, and study for tests. Your student will complete homework more quickly and easily, get better grades, and enjoy reading more.

Program for Adults, Entering 12th Graders, and College Students
Learn to double your reading speed in difficult material and triple your reading speed in easier material, while improving comprehension, concentration, and retention. You’ll save time and get more out of everything you read!

Highly Skilled Teachers Make Learning Fun!
These enrichment programs are offered by the University of Wisconsin-Milwaukee School of Continuing Education, a nonprofit organization. Classes are taught by professional instructors from the Institute of Reading Development.

FOR MORE INFORMATION OR TO REGISTER
Call 1-800-964-8888
Mon.-Fri., 7am–9pm; Sat., 7am–6pm; and Sun., 9am–5pm
## Registration Form for Classes

**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**
- **MC**
- **VISA**
- **AMEX**
- **DISCOVER**

**REQUIRED:** Address on credit card statement is:
- **Same as address of orderer**
- **Other**
  - **Address**
- **City State Zip**

**VOLUNTARY INFORMATION ON YOUR CHILD**

- **Gender:**
  - **Male**
  - **Female**
- **Birth Date:** Month ___ Day ___ Year ___
- **Heritage:**
  - **African American**
  - **Hispanic/Latino**
  - **Asian/Pacific Islander**
  - **White/Other**
  - **American Indian/Alaskan Native**

**Student’s Information** (Kindergartners must be five years old by June 10 and must have prior five-days-a-week school experience.)

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<tr>
<th>1st Student</th>
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<td><strong>Alternate Course:</strong></td>
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**Total**

- **Subtotal:** $___________

- **Less Gift Certificate:** $___________
- **Less Discount Code:** $___________

**TOTAL:** $___________

- **Gift Certificate #:** $___________

**Discount** – If registering for six or more classes, please use discount code **CFK6PLUS** to receive 15% off. Does not include before or after care.

**Discount Code:**

- **Yes! I would like to receive program information by email.**
  - **(We do not sell our lists to organizations outside of UWM.)**
- **Email Address**

- **Yes, I would like to donate to scholarships for children otherwise unable to attend, in the amount of $___________**

**Office use only: Order #________ Initials __________ Date __________**
IMPORTANT INFORMATION

Skip Ahead!
Advanced check-in: June 1-16 (M-F), 9am-4pm. Avoid the long lines and get acquainted with campus early – stop by our office located in the Union, room W179. Please call 414-227-3360 (before 6/1) or 414-940-1896 (after 6/1) for other questions.

Check-In
Check in at the Union Terrace on your child’s first day. Here, we will make sure you’ve filled out all the proper paperwork, and then students will receive their CFK/CFT drawstring backpacks and wristbands. It is helpful to bring your confirmation receipt with you on the first day. Please note: You only need to do this one time during the summer on your first day of your first class. Please arrive 15-30 minutes before your class start time in order to get checked in and start class on time. If a large number of students arrive right before class start time to check in there will be a significant delay in getting students to their class and receiving the full instruction.

Age requirement
Kindergartners must be five years old by June 10, and must have prior five-days-a-week school experience to participate in our program. This rule will be strictly enforced and children who do not meet this requirement will be subject to immediate withdrawal with no refund given.

Pickup & Dropoff
Pickup and dropoff are at the Union Circle, 2200 E. Kenwood Blvd., or inside the Union Terrace (SW corner on the ground floor).

Instructors will bring their students to the Union Terrace at the end of class time. You must pick your child up within 15 minutes (e.g. if class ends at 4pm, pickup must be no later than 4:15pm). Students will be allowed to wait for their ride either inside the Union Terrace or outside at the circle drive. Please make sure your child knows where they are meeting you.

You will be charged $10 for every 15 minutes past the pickup time (e.g. 4:16-4:31pm would be $10; 4:32-4:47pm would be $20, 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 granting them permission to 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.

If you need to pick up your child early or drop them off late, you will need to go directly to the classroom. Please do not drop children off at the Union if you are running late. If you do not see a staff member standing outside the Union, students and instructors have already left, and you will need to take your child to his/her classroom. If you do not know the classroom location, please call our office at 414-940-1896 or visit the Union information desk – located on the ground floor.

Wristbands
Wristbands are given out on the first day of a session, and are to be worn every day. 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 every day. The colors indicate to our staff what privileges each child has, such as leaving campus unattended or not being included in pictures. Children are not allowed to participate in class unless they are wearing a wristband to verify that they are enrolled.

The cost to replace the wristbands is $20 for the orange and $3 for all others. (If you need to take it off for any reason, please bring it back and it will be replaced for free.)

Meals
Lunch and snacks are not included. Please provide your child with a bag lunch and/or snack each day. Only students that have permission to leave unattended (orange wristband) will be able to purchase food on campus.

Drawstring Backpacks!
All participants will receive a FREE CFK/CFT drawstring backpack – handed out at check-in.

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 class, please contact us before enrolling to fill out additional paperwork. 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 414-227-3360. Please refer to your name and address exactly as it appears on the mailing label. Or, fill out the form at uwm.edu/sce-kids.

Other Important Information
Do not leave your car unattended in the Union circle drive, 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 driveway. Street parking is also available.

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

Scholarships
Needs-Based:
To be eligible for a limited number of needs-based scholarships, student must be entering grades K-5 and be eligible for the free or reduced lunch program. Needs-based recipients will be notified by phone the first 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 uwm.edu/sce-kids. Due to the high number of requests, only those receiving scholarships are notified by email. Scholarships are first come, first served; please apply as soon as possible since most years we have reached our maximum number to award by early April.

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• Updated course listings
• Information about important deadlines

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*We promise.