



2024



# COLLEGE FOR KIDS & TEENS

Keep Young Minds Active All Summer Long!



WHAT'S  
INSIDE

Creative Arts

Humanities/Social  
Sciences

Languages & Cultures

Math & Computers

Science

Registration opens Tuesday,  
February 6, 2024, at 10am

[uwm.edu/sce/kids](http://uwm.edu/sce/kids)



**School of  
Continuing Education**



# Welcome to the UWM School of Continuing Education

## College for Kids & Teens

### Program Contacts



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### What Is College for Kids & Teens?

College for Kids & Teens (CFK&T) through the School of Continuing Education is a hands-on enrichment program for students entering grades K5-12 who have high academic potential, motivation and talent. Established in 1980, we will be celebrating our 44th year! 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.

#### Registration Policy

Once your child or teen is registered, there are no refunds or transfers. Refunds are made only for classes canceled by CFK&T. This policy is specific to College for Kids & Teens and does not apply to School of Continuing Education courses.

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Classes that do not reach sufficient enrollment by May 13, 2024, will be canceled. Please register before this date to ensure classes run.



#### Important Information

- Kindergartners must be five years old by June 10, 2024, and must have prior five-days-a-week school experience to participate in our program. This rule will be strictly enforced. Must be completely potty trained. Children who do not meet this requirement will be subject to immediate withdrawal without a refund given.
- Once your child or teen is registered, there are no refunds or transfers. Refunds are made only for classes canceled by CFK&T. This policy is specific to College for Kids & Teens and does not apply to any School of Continuing Education courses.
- When registering for CFK&T, use next year’s grade level.
- Discount – If registering for six or more classes, please use discount code CFK6PLUS to receive 15% off. This does not include before or aftercare.
- 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.
- Disruptive students are taken to the CFK&T office and their guardians are notified. Continued disruption results in removal from the program without a refund of fees.

#### Health and Safety Policy and Procedures

Our program is subject to Universities of Wisconsin and UWM Policy with regards to on-campus, in-person youth programming. This may affect aspects of our delivery of programming, including social distancing, age-group cohorting and reduced class sizes. Any information related to these health and safety policies and procedures which relate to program decision making as well as the possibility of reverting to an online delivery method can be found on our website. Updates will be made as the policy has been mandated by Universities of Wisconsin and UWM.

*Our policy states that we do not offer refunds or transfers after registration. We are mandated by UWM policies, in the event our program changes our delivery method to online for any reason due to Health and Safety concerns then an exception to the refund policy may take effect. For more information, please see our website policy changes and information. [uwm.edu/sce/kids](https://uwm.edu/sce/kids)*

#### Break Times

Students participating in break periods in their classrooms will need to eat snacks and/or cold lunches brought from home. No food or vending will be available for students. During these break times the student will be supervised by instructors and/or CFK&T staff. Breaks will be located in your students’ next scheduled classrooms and/or outdoor space, weather permitting. After snacks or lunches are completed, students will begin their next classes.

For further procedural information please visit our website: [https://uwm.edu/sce/program\\_area/college-for-kids-teens/summer-program-information-resources/](https://uwm.edu/sce/program_area/college-for-kids-teens/summer-program-information-resources/)

# Before and After Care

To make things easier for students and guardians, we offer supervised care in Merrill Hall for before and after the program day for a minimal charge. Please refer to our website closer to the beginning of the program for further details. Chaperoning children to or from class is included in the fee. Come early or stay late. You must sign up for the full week.

Note: CFK&T only supervises registered students while they are in class or before/after care. Students enrolled in back-to-back classes or before/after care will be chaperoned to their next destination. No extended supervision (longer than 30 minutes between consecutive class times) is available between 9am and 4pm.

## Late Pick-up Policy for After Care

Please be advised that after care ends by 5:30pm. If families are late for pick up, there will be a \$10 charge for every 10 minutes that the student is not picked up (5:41pm= \$10, 5:55pm= \$20 etc.). If a child is left in our care until 6pm we are required to take the child to the campus police department.

## Before Care

7:30-9am – \$30/week or \$50/two-week session (students may not be dropped off before 7:30am if they have any other wristband color than orange)

## After Care

4-5:30pm – \$30/week or \$50/two-week session

## Early Morning Drop Off 7:30-9am

Two-week Sessions	Prog#	Fee
June 17-28	8410-E1003	\$50
July 22-Aug 2	8410-E1007	\$50
Aug 5-16	8410-E1011	\$50

## One-week Discovery Camps

June 10-14	8410-E1001	\$30
June 24-28	8410-E1005	\$30
July 8-12	8410-E1009	\$30
July 29-Aug 2	8410-E1013	\$30
Aug 5-9	8410-E1015	\$30

## Late Afternoon Pick Up 4-5:30pm

Two-week Sessions	Prog#	Fee
June 17- 28	8410-L1004	\$50
July 22-Aug 2	8410-L1008	\$50
Aug 5-16	8410-L1012	\$50

## One-week Discovery Camps

June 10-14	8410-L1002	\$30
June 24-28	8410-L1006	\$30
July 8-12	8410-L1010	\$30
July 29-Aug 2	8410-L1014	\$30
Aug 5-9	8410-L1016	\$30

## Sponsor a Student

You hold the power to change a child's life by supporting their participation in CFK&T's upcoming summer session. Contributions, no matter the size, help to ensure that every child receives the education they deserve. Will you consider making a gift to enable a deserving child to join our classes at College for Kids & Teens? On behalf of our students, we extend a heartfelt thank you for your generosity and gift of education.

## To learn more about the ways to give, contact:



Liza Longhini  
University Advancement Director  
414-227-3252  
lizal@uwm.edu

[uwm.edu/sce/give](http://uwm.edu/sce/give)





# Schedule at a Glance



## 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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## June 10-14 Discovery Camp A

**Note: Discovery Camp A is a one-week session that begins and ends during a time when some schools might be in session.**

9-11am	Grade	Prog#	Fee	Page
Outside Art	K5-2	8410-101	\$99	12
Superhero Mythology	3-5	8410-102	\$99	19
Money Magic	3-5	8410-103	\$99	25
Fairies, Elves and Trolls. Oh My!	6-8	8410-104	\$99	14
DIY—Jewelry Making	6-8	8410-105	\$99	11
Philosophy 101	9-12	8410-106	\$99	21

9am-1:30pm	Grade	Prog#	Fee	Page
The UWM Writing Project – Introductory Teen Writing Academy	9-12	8410-107	\$229	9

11:30am-1:30pm	Grade	Prog#	Fee	Page
Playground Games	K5-2	8410-108	\$99	17
Fairies, Elves and Trolls. Oh My!	3-5	8410-109	\$99	14
DIY—Jewelry Making	3-5	8410-110	\$99	11
The Writer's Den	6-8	8410-111	\$99	15
Roll The Dice	6-8	8410-112	\$99	26
Delve Into Memory	9-12	8410-113	\$99	21

2-4pm	Grade	Prog#	Fee	Page
New! Kid's Photography Art Camp	K5-2	8410-114	\$99	11
The Writer's Den	3-5	8410-115	\$99	15
Full STEAM Ahead	3-5	8410-116	\$99	30
Investing 101	6-8	8410-117	\$99	15
Design Squad Engineering	6-8	8410-118	\$99	30
What's the Chance?	6-12	8410-119	\$99	23
Creative Writing	9-12	8410-120	\$99	14

## June 17-28 Session I

9-11am	Grade	Prog#	Fee	Page
Nature's Storytime	K5-2	8410-121	\$164	29
Smart Money	K5-2	8410-122	\$164	24
Italian Cooking	3-5	8410-123	\$184	22
LEGO® Mindstorms® Robotics	3-5	8410-124	\$174	28
Minecraft: EDU	3-5	8410-125	\$174	23
MythBusters & More	3-5	8410-126	\$164	30
Celtic, Norse, Slavic & Arthurian Myth	6-8	8410-127	\$164	20
Architecture and Fabrication I	6-8	8410-128	\$174	20
New! Sci-Fi Fiction Writing	6-8	8410-129	\$164	20

Jewelry & Metalsmithing	PECK	6-12	8410-130	\$174	11
Comic Connections		9-12	8410-131	\$164	10

9am-1:30pm	Grade	Prog#	Fee	Page
Introduction to Data Science	9-12	8410-132	\$299	8
HYBRID DATA				

9am-12pm	Grade	Prog#	Fee	Page
Intro to Painting/Advanced Painting	10-12	8410-157	\$225	7
- ArtsECO - Art & Design (Core)	PECK			

1-4pm	Grade	Prog#	Fee	Page
Experimental Studio/Drawing	10-12	8410-158	\$225	7
- ArtsECO - Art & Design (Floating Core)	PECK			

11:30am-1:30pm	Grade	Prog#	Fee	Page
Where in the World?	K5-2	8410-133	\$164	17
Puppet Parade	K5-2	8410-134	\$164	12
Games, Cards & More!	3-5	8410-135	\$164	25
Monster Makers	3-5	8410-136	\$164	13
Saving Bob!	3-5	8410-137	\$164	30
Theatre Games	3-5	8410-138	\$164	13
Italian Cooking	6-8	8410-139	\$184	22
Comic Connections	6-8	8410-140	\$164	10
LEGO® Mindstorms® Robotics	6-8	8410-141	\$174	28
All About Politics	6-12	8410-142	\$164	14
Minecraft: EDU	6-12	8410-143	\$174	23
New! Rhetorics	9-12	8410-144	\$164	21
Architecture and Fabrication II	ARCH 9-12	8410-145	\$174	21

2-4pm	Grade	Prog#	Fee	Page
Cool Carnivores	K5-2	8410-146	\$164	29
Animal Habitats	K5-2	8410-147	\$164	29
New! Lebanese Cultural Cooking	3-5	8410-148	\$184	22
Sketch This	3-5	8410-149	\$164	13
Math Contests	3-5	8410-150	\$164	25
History Comes Alive	3-5	8410-151	\$164	18
Adventures in Statistics DATA	6-8	8410-152	\$164	26
Amusement Park Physics	6-8	8410-153	\$164	30
Mythology	6-12	8410-154	\$164	15
Python Programming DATA	9-12	8410-155	\$174	27
Architecture and Design ARCH	9-12	8410-156	\$184	7

## June 24-28 Discovery Camp 1

**Note: Discovery Camp 1 is a one-week session and runs simultaneously with the second week of Session I.**

9-11am	Grade	Prog#	Fee	Page
Word Detective Camp	K5-2	8410-159	\$99	17
1, 2, 3 Blast Off!	K5-2	8410-160	\$99	29
New! Kid's Photography Art Camp	3-5	8410-161	\$99	11
New! Trading Card Games	3-5	8410-162	\$99	16
Fun²	3-5	8410-163	\$99	25
Stock Market	6-8	8410-164	\$99	26
Beginning Guitar	6-12	8410-165	\$115	10
So, You Want to Be a Lawyer?	6-12	8410-166	\$99	15
New! African Art Exploration	6-12	8410-167	\$99	10
New! Introduction to Health Professions	9-12	8410-168	\$99	30

9am-1:30pm	Grade	Prog#	Fee	Page
The UWM Writing Project	6-8	8410-169	\$229	9

9am-3pm (June 24-27)	Grade	Prog#	Fee	Page
ACT Preparation Boot Camp (Pre-Test – June 17th 8am-12pm) (Post-Test – June 28th 8am-12pm)	11-12	8410-170	\$220	9

11:30am-1:30pm	Grade	Prog#	Fee	Page
STEM Challenge	K5-2	8410-171	\$99	29
Oh, the Places We'll Go!	K5-2	8410-172	\$99	16
American Sign Language	3-5	8410-173	\$99	22
Beginning Guitar	3-5	8410-174	\$115	10
Fun with Words	3-5	8410-175	\$99	18
Gizmos and Gadgets	6-8	8410-176	\$99	30
New! Trading Card Games	6-12	8410-177	\$99	16

Watercolor Basics	6-8	8410-178	\$99	13
New! Space Architecture <b>ARCH</b>	9-12	8410-179	\$99	21
<b>2-4pm</b>	<b>Grade</b>	<b>Prog#</b>	<b>Fee</b>	<b>Page</b>
American Sign Language	K5-2	8410-180	\$99	22
Oodles & Doodles	K5-2	8410-181	\$99	12
Problems Solved	3-5	8410-182	\$99	25
Friendship Bracelets for Beginners	3-5	8410-183	\$99	13
Glow in the Dark Science	3-5	8410-184	\$99	30
Public Speaking	6-8	8410-185	\$99	20
I'm a Human Calculator	6-8	8410-186	\$99	26
Earth Science	9-12	8410-187	\$99	30
Discrete Mathematics and Combinatorics <b>DATA</b>	9-12	8410-188	\$99	27

## July 8-12 Discovery Camp B

<b>9-11am</b>	<b>Grade</b>	<b>Prog#</b>	<b>Fee</b>	<b>Page</b>
Solar System Exploration	K5-2	8410-189	\$99	29
Beginning Piano	K5-2	8410-190	\$115	10
Monster's Lit	3-5	8410-191	\$99	18
Start Drawing	3-5	8410-192	\$99	12
New! Learn about Ojibwemowin	3-5	8410-193	\$99	22
New! Wrestling: Past, Present, and Future	6-8	8410-194	\$99	20
Crime Solvers	6-12	8410-195	\$99	28
Embroidery	9-12	8410-196	\$99	11

<b>9am-1:30pm</b>	<b>Grade</b>	<b>Prog#</b>	<b>Fee</b>	<b>Page</b>
Blacksmithing <b>PECK</b>	6-12	8410-197	\$210	10
Freshwater Science	9-12	8410-198	\$250	9

<b>11:30am-1:30pm</b>	<b>Grade</b>	<b>Prog#</b>	<b>Fee</b>	<b>Page</b>
Math as Easy as 1, 2, 3	K5-2	8410-199	\$99	24
Dragon Tales	K5-2	8410-200	\$99	16
Embroidery	3-5	8410-201	\$99	11
New! Building Tiny Houses	3-5	8410-202	\$99	25
Start Drawing	6-8	8410-203	\$99	12
Debate Forensics 101	6-8	8410-204	\$99	20
Beginning Piano	6-12	8410-205	\$115	10
New! Learn about Ojibwemowin	6-12	8410-206	\$99	22
Algebra Camp	9-12	8410-207	\$99	27
What's the Plot	9-12	8410-208	\$99	21

<b>2-4pm</b>	<b>Grade</b>	<b>Prog#</b>	<b>Fee</b>	<b>Page</b>
An Artist a Day	K5-2	8410-209	\$99	12
New! Learn about Ojibwemowin	K5-2	8410-210	\$99	22
Beginning Piano	3-5	8410-211	\$115	10
Kid's Chemistry	3-5	8410-212	\$99	30
Embroidery	6-8	8410-213	\$99	11
African Life & Culture	6-12	8410-214	\$109	22
The Science of Sport	6-12	8410-215	\$99	28
Advanced Geometry <b>ARCH</b> <b>DATA</b>	9-12	8410-216	\$99	27
Start Drawing	9-12	8410-217	\$99	12

## July 22-Aug 2 Session II

<b>9-11am</b>	<b>Grade</b>	<b>Prog#</b>	<b>Fee</b>	<b>Page</b>
Making Cents of It	K5-2	8410-218	\$164	24
Superheroes in Training	K5-2	8410-219	\$164	17
Theater Workshop	3-5	8410-220	\$164	12
LEGO® Mindstorms® Robotics	3-5	8410-221	\$174	28
Games, Cards & More!	3-5	8410-222	\$164	25
Coding Academy	6-8	8410-223	\$174	23
Ceramics <b>PECK</b>	6-8	8410-224	\$184	10
Biology: Mysteries of Life	6-8	8410-225	\$164	28
New! Tabletop Strategy Games	6-12	8410-226	\$164	15
Communication 101	9-12	8410-227	\$164	21

<b>9am-1:30pm</b>	<b>Grade</b>	<b>Prog#</b>	<b>Fee</b>	<b>Page</b>
Entrepreneurial Data Science	9-12	8410-228	\$250	8

<b>11:30am-1:30pm</b>	<b>Grade</b>	<b>Prog#</b>	<b>Fee</b>	<b>Page</b>
Ooze, Drip, Bubble & Bounce	K5-2	8410-229	\$164	28
Fairytales on Trial	K5-2	8410-230	\$164	16
Ceramics	3-5	8410-231	\$184	10
Geometry All Around	3-5	8410-232	\$164	23

Coding Academy	3-5	8410-233	\$174	23
LEGO® Mindstorms® Robotics	6-8	8410-234	\$174	28
Comic Books and Graphic Novels	6-8	8410-235	\$164	20
Genetics	6-12	8410-236	\$164	28
Theater Workshop	6-12	8410-237	\$164	12
Order in the Court	9-12	8410-238	\$164	15

<b>2-4pm</b>	<b>Grade</b>	<b>Prog#</b>	<b>Fee</b>	<b>Page</b>
Gobble Up Math	K5-2	8410-239	\$164	24
Art O'Saurus	K5-2	8410-240	\$164	12
Pen a Pokémon	3-5	8410-241	\$164	19
Build It	3-5	8410-242	\$164	13
Crime Solvers	3-5	8410-243	\$164	28
Build Your Own Business <b>DATA</b>	6-8	8410-244	\$164	20
New! African Culinary Art	6-12	8410-245	\$184	22
New! Ecology	6-12	8410-246	\$164	28
Crochet	6-12	8410-247	\$164	11
Introduction to Programming I	9-12	8410-248	\$164	27
The Potter's Wheel <b>PECK</b>	9-12	8410-249	\$174	13
Architecture and Models <b>ARCH</b>	9-12	8410-250	\$184	7

## July 29-Aug 2 Discovery Camp 2

**Note: Discovery Camp 2 is a one-week session and runs simultaneously with the second week of Session II.**

<b>9-11am</b>	<b>Grade</b>	<b>Prog#</b>	<b>Fee</b>	<b>Page</b>
Ahoy There, Matey!	K5-2	8410-251	\$99	16
We're Going on a Bug Hunt	K5-2	8410-252	\$99	29
Secret Spy School	3-5	8410-253	\$99	19
Book Making	3-5	8410-254	\$99	13
Jr. Wallstreet	3-5	8410-255	\$99	25
New! German Language & Culture	6-8	8410-256	\$99	22
Community Psychology	6-12	8410-257	\$99	14
Medieval Warfare	6-12	8410-258	\$99	15
Trigonometry <b>DATA</b>	9-12	8410-259	\$99	27

<b>11:30am-1:30pm</b>	<b>Grade</b>	<b>Prog#</b>	<b>Fee</b>	<b>Page</b>
Everyday Math	K5-2	8410-261	\$99	24
Alphabeasts	K5-2	8410-262	\$99	16
Oceanography	3-5	8410-263	\$99	30
Minute to Win It	3-5	8410-264	\$99	18
Beginning Ukulele	3-5	8410-265	\$115	10
Battles of WWII	6-8	8410-266	\$99	20
Urban Planning <b>ARCH</b>	6-12	8410-267	\$99	16
New! German Language & Culture	6-12	8410-268	\$99	22
Business and Financial Math	9-12	8410-269	\$99	27

<b>2-4pm</b>	<b>Grade</b>	<b>Prog#</b>	<b>Fee</b>	<b>Page</b>
Colorful Collage	K5-2	8410-270	\$99	12
50 Nifty States	K5-2	8410-271	\$99	16
Math You'll Use	3-5	8410-272	\$99	25
New! German Language & Culture	3-5	8410-273	\$99	22
Ready, Set, Geocache!	3-5	8410-274	\$99	19
Interior Design	6-8	8410-275	\$99	13
Meet Rube Goldberg	6-8	8410-276	\$99	30
Beginning Ukulele	6-12	8410-277	\$115	10
Survey of Calculus <b>DATA</b>	9-12	8410-278	\$99	27
Investing 101	9-12	8410-279	\$99	15

## August 5-16 Session III

**Note: Session III is a two-week session that ends during a time when some schools might be in session.**

<b>9-11am</b>	<b>Grade</b>	<b>Prog#</b>	<b>Fee</b>	<b>Page</b>
Safari Adventures	K5-2	8410-280	\$164	17
Dicen' Up Math	K5-2	8410-281	\$164	24
LEGO® Mindstorms® Robotics	3-5	8410-282	\$174	28
My Society: Create Your Own City	3-5	8410-283	\$164	19
Math Busters!	3-5	8410-284	\$164	25
Ceramics <b>PECK</b>	6-8	8410-285	\$184	10



## August 5-16 Session III - Continued

Astronomy	6-8	8410-286	\$164	28
Interviewing and Reporting	6-12	8410-287	\$164	14
Developing Video Games I	6-12	8410-288	\$174	23
Community Art <b>PECK</b>	9-12	8410-289	\$164	13

9am-1:30pm	Grade	Prog#	Fee	Page
Statistical Story Telling: A Study of Probability and Statistics	9-12	8410-290	\$299	8

11:30am-1:30pm	Grade	Prog#	Fee	Page
I Made This	K5-2	8410-291	\$164	12
Got Math?	K5-2	8410-292	\$164	24
Monster Mash	3-5	8410-293	\$164	13
Developing Video Games I	3-5	8410-294	\$174	23
Ceramics	3-5	8410-295	\$184	10
Building Your Debate	6-8	8410-296	\$164	20
LEGO® Mindstorms® Robotics	6-8	8410-297	\$174	28
Designing with Virtual Reality <b>ARCH</b>	6-12	8410-298	\$174	14
Astronomy	9-12	8410-299	\$164	28

2-4pm	Grade	Prog#	Fee	Page
Around the World in 10 Days	K5-2	8410-300	\$164	12
Wild Kingdom	K5-2	8410-301	\$164	17
Shaping the World	3-5	8410-302	\$164	26
Crack the Case	3-5	8410-303	\$164	18
Ooze, Drip, Bubble & Bounce	3-5	8410-304	\$164	28
Advertising 101	6-8	8410-305	\$164	20
Game Show Math	6-8	8410-306	\$164	26
Hurricanes! Thunderstorms! Tornadoes!	6-12	8410-307	\$164	28
The Potter's Wheel <b>PECK</b>	9-12	8410-308	\$174	13
Speak for Yourself	9-12	8410-309	\$164	21
Architecture and Domestic Space <b>ARCH</b>	9-12	8410-310	\$184	7

## August 5-9 Discovery Camp 3

**Note: Discovery Camp 3 is a one-week session and runs simultaneously with the first week of Session III.**

9-11am	Grade	Prog#	Fee	Page
Writing is Magic	K5-2	8410-311	\$99	17
Wacky World of Numbers	K5-2	8410-312	\$99	24
Fairytales From Across the World	3-5	8410-313	\$99	18
New! Build the Change with TEK & LEGO®	3-5	8410-314	\$99	29
Mindful Art Practices	3-5	8410-315	\$99	13
Beginning Spanish	6-8	8410-316	\$99	22
Don't Get Punked by Math	6-8	8410-317	\$99	26
Ace Academic Writing	9-12	8410-318	\$99	21

9am-1:30pm	Grade	Prog#	Fee	Page
Digital Fabrication <b>PECK</b>	6-12	8410-319	\$210	11
Blacksmithing <b>PECK</b>	9-12	8410-260	\$210	10

11:30am-1:30pm	Grade	Prog#	Fee	Page
Young Scientist's Toolbox	K5-2	8410-320	\$99	29
#10 and Beyond	K5-2	8410-321	\$99	24
Checkmates!	3-5	8410-322	\$99	18
Dance Workshop: Tap and Jazz	3-5	8410-323	\$115	11
Beginning Spanish	3-5	8410-324	\$99	22
Detective Fiction	6-8	8410-325	\$99	20
New! Environmental Psychology <b>ARCH</b>	6-12	8410-326	\$99	14
Biology: Mysteries of Life	9-12	8410-327	\$99	28

2-4pm	Grade	Prog#	Fee	Page
Capturing Color	K5-2	8410-328	\$99	12
Games Galore	K5-2	8410-329	\$99	16
Space – Planets and Stars	3-5	8410-330	\$99	30
Geometry All Around	3-5	8410-331	\$99	23
Greek Gods!	3-5	8410-332	\$99	18
Dance Workshop: Tap and Jazz	6-8	8410-333	\$115	11
Creative Writing	6-8	8410-334	\$99	14
Blueprints to Buildings <b>ARCH</b>	6-12	8410-335	\$99	14
Print Making <b>PECK</b>	6-12	8410-336	\$109	11
Conversational Spanish	6-12	8410-337	\$99	22
Algebra I <b>ARCH DATA</b>	9-12	8410-338	\$99	27



# Certificate Programs

## The UWM College for Kids & Teens **Architecture and Urban Planning Certificate Track** in Partnership with the School of Architecture and Urban Planning

UWM's College for Kids & Teens is partnering with the UWM School of Architecture and Urban Planning (SARUP) to offer a certificate track opportunity for students interested in architecture and urban planning.

The Architecture and Urban Planning Certificate Track consists of three core two-week courses and three elective courses (one architecture elective and two miscellaneous electives) for a total of six courses. All core courses can be completed by students in grades 9-12 and some elective courses can be completed by students in grades 6-12.

### Learning Outcomes

- Obtain a base level of architecture and urban planning skills
- Explore the connections between architecture and design, models and use of domestic space
- Apply an introductory level of understanding of architectural and urban planning skills in relation to fabrication, virtual reality, building and mathematical understandings

### Courses

Register for three core courses and three elective courses (one architectural and two miscellaneous) from a selection of offerings. All core courses are for grades 9-12 and can be completed within a three-year window. Some elective courses are for grades 6-12.

### Core Classes

#### Architecture and Design

Learn the process of how architects design, working from 2D to 3D images with a focus on the language of architecture using traditional and digital drawing. Projects include chair design and a desktop organizer.

**\$184**

Ali Gooch

8410-156 June 17-28, 2-4pm

Gr. 9-12, Session I

#### Architecture and Models

Learn the process of how architects design, working from 2D to 3D images with a focus on the language of architecture using traditional and digital drawing. Projects include a historic model and birdhouse.

**\$184**

Ali Gooch

8410-250 July 22-Aug 2, 2-4pm

Gr. 9-12, Session II

#### Architecture and Domestic Space

Learn the process of how architects design, working from 2D to 3D images with a focus on the language of architecture using traditional and digital drawing. Projects include interior design, a pavilion and a house.

**\$184**

Ali Gooch

8410-310 Aug 5-16, 2-4pm

Gr. 9-12, Session III

For more information on Elective Courses, course descriptions, course format and certificate specifics please see our website.

*Note: The elective course offerings are highlighted with the following symbol **ARCH** and are located in the Schedule at a Glance and in the class descriptions.*

## The UWM College for Kids & Teens **Art & Design Certificate Track** in Partnership with the Peck School of the Arts

UWM's College for Kids & Teens is partnering with the UWM Peck School of the Arts (PSOA) to offer a certificate track opportunity for students interested in art & design. The certificate provides students with a base knowledge of art & design.

The Art & Design Certificate Track consists of One ArtsECO Core Class that consists of two one-week art & design focused classes. The student will need to complete the core class that consists of a two-week class that will focus on Drawing/Sculpture and each year there will be a second floating core class offering that will have concentration in Mixed Media, Fibers, and other art & design elements. To complete the certificate the student will need to complete the main Core class and a second floating core class and three art & design Elective classes for a total of five classes. All ArtsECO core classes can be completed by grade 10-12 students and art & design elective classes can be completed by grade 6-12 students.

### Learning Outcomes

- Gain a base knowledge of art & design
- Experience 2D drawing, 3D sculpture and digital art
- Explore interests in additional art & design disciplines, including ceramics, jewelry and metals, printmaking, and digital fabrication.

### Art & Design Core Classes (2)

#### Intro to Painting – ArtsECO – Art & Design Core Course (Week One)

For high school students interested in painting and/or are looking to build their portfolio, this painting class is for you. We will explore various water-based painting techniques and strategies. This class addresses formal painting concepts mixed with contemporary approaches to the genre while having fun experimenting and getting creative.

#### Advanced Painting – ArtsECO – Art & Design Core Course (Week Two)

This course expands and cultivates explorations into paint and painting. We explore experimental painting techniques and non-normative paint applications and surfaces. We look at drawing, printmaking, and collage and how to utilize those practices within the language of painting.

**\$225**

ArtsECO Instructor

8410-157 June 17-28, 9am-12pm

Gr. 10-12, Session I

#### Experimental Studio Process – ArtsECO – Art & Design Floating Core Course (Week One)

Students will participate in new collaborative and independent projects that explore a wide range of materials and experimental processes. We'll draw inspiration from exciting contemporary art and artmaking practices to create works that explore big ideas in an open and encouraging environment.

# Certificate Programs

## Drawing – ArtsECO – Art & Design Floating Core Course (Week Two)

Drawing is a language that can transform a blank page into a new world. Drawing is also a skill that helps us express ourselves, develop our ideas and better understand the world. Peck School of the Arts drawing faculty helps students move from observation and imagination to highly developed drawings and a strong artistic voice.

**\$225**

ArtsECO Instructor

8410-158 June 17-28, 1-4pm

Gr. 10-12, Session I

For more information on Elective Courses, course descriptions, course format, and certificate specifics please see our website.

*Note: The elective course offerings are highlighted with the following symbol **PECK** and are located in the Schedule at a Glance and in the class descriptions. Only some elective courses are offered each summer.*

## Courses

Register for three core courses and two elective courses from a selection of offerings. All core courses are for grades 9-12 and can be completed within a three-year window.

For more information on Elective Courses, course descriptions, course format and certificate specifics please see our website.

*Note: The elective course offerings are highlighted with the following symbol **DATA** and are located in the Schedule at a Glance and in the class descriptions. \*Not all elective courses will be offered every summer.*

## Core Courses

### Introduction to Data Science (Hybrid)

This introductory course develops computational thinking and tools necessary to answer questions that arise from large-scale datasets. This course emphasizes an end-to-end approach to data science, introducing programming techniques in Python that cover data processing, modeling and analysis.

First, how can data be extracted that describes real-world phenomenon? This part of the course includes data collection, processing, cleaning ("munging") and dealing with formatted and semi-formatted data (e.g., json). Second, how can data be modeled and used to make predictions? This includes methods in regression and classification and experimental design. And third, how can the results of this analysis be understood and reasoned? This includes topics in visualization and methods for hypothesis testing and validation. The course involves hands-on analysis of a variety of real-world datasets, including economic data, document collections, geographical data and social networks. The class includes working on a real-world case study utilizing data and is based on student interests.

**\$299**

Pat Williams

8410-132 June 17-28, 9am-1:30pm

Gr. 9-12, Session I

*Note: There is a 30-minute, supervised lunch break every day. Please make sure students bring a bagged lunch.*

### Entrepreneurial Data Science (Hybrid)

In this course the students apply data science to a real-world application and create a start-up company in an interest area of their choosing. The students implement and apply innovation in technology to get a better understanding of data and how it affects business. The students also use an understanding of design thinking to help understand and utilize data in creating a pitch for their start-up business.

**\$299**

Quentin Prince

8410-228 July 22-Aug 2, 9am-1:30pm

Gr. 9-12, Session II

*Note: There is a 30-minute, supervised lunch break every day. Please make sure students bring a bagged lunch.*

## NORTHWESTERN MUTUAL DATA SCIENCE INSTITUTE



## The UWM College For Kids & Teens Data Science Certificate Track – In Partnership With Northwestern Mutual Data Science Institute

In partnership with the Northwestern Mutual Data Science Institute, UWM College for Kids & Teens is now offering a certificate track that consists of five courses related to the study of data science.

To complete the certificate, the student must complete all three core classes offered every summer and two elective courses from a selection of 14 College for Kids & Teens offerings. All core courses are for grades 9-12 and can be completed over a three-year window. Electives offered for grades 6-12 can be taken at any time previous or simultaneous to the finish of core classes.

### Learning Outcomes

- Demonstrate an understanding of the basics of data science
- Use data in meaningful ways and explore how it can be used in everyday life
- Apply an introductory understanding of Python programming techniques
- Examine the relationship between statistics and data
- Utilize data and design thinking in an exploration of entrepreneurship



## Statistical Story Telling: A Study of Probability & Statistics (Hybrid)

Probability and statistics courses teach skills in understanding whether data is meaningful, including optimization, inference, testing and other methods for analyzing patterns in data and using them to predict, understand and improve results. Learn about how statistics can be used in everyday life to summarize datasets and draw conclusions from them. Study mean, median, mode, range, 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.

\$299

Instructor: TBA

8410-290 Aug 5-16, 9am-1:30pm

Gr. 9-12, Session III

*Note: There is a 30-minute, supervised lunch break every day. Please make sure students bring a bagged lunch.*

## SPECIAL PROGRAMS

### The UWM Writing Project

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 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.

The partnership of College for Kids & Teens (CFK&T) with the UWMWP allows student writers an opportunity 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. So, the TCs selected to work each week are passionate writers from the Metro-Milwaukee community.

### The UWM Writing Project – Introductory Teen Writing Academy

\$229

Dana Kaleta

8410-107 June 10-14, 9am-1:30pm

Gr. 9-12, Discovery Camp A

*Note: There is a 30-minute, supervised lunch breaks every day. Please make sure students bring a bagged lunch.*

### The UWM Writing Project – Young Writers' Academy

\$229

Dana Kaleta

8410-169 June 24-28, 9am-1:30pm

Gr. 6-8, Discovery Camp 1

*Note: There is a 30-minute, supervised lunch breaks every day. Please make sure students bring a bagged lunch.*

## Mini-Courses Summer ACT Partnership Classes

Prerequisite: Students must have a core GPA of 2.5.

### Mini-Courses Summer ACT Boot Camp

\$220

Mini-Course ACT-approved instructors

PRE-TEST:

Mon, June 17, 8am-12pm

POST-TEST:

Fri, June 28, 8am-12pm

8410-170 June 24-27, 9am-3pm

Gr. 11 & 12 only, Discovery Camp 1

Limit 30 students

*Note: There will be absolutely no makeup dates. If you register for this class after the scheduled pre-test dates, you will not have the opportunity to take that test.*

## The UWM School of Freshwater Sciences – Watershed Exploration

This program is facilitated by the School of Freshwater Sciences' Outreach Manager Liz Sutton with visits from scientists and graduate students working in the field.

### During the Watershed Exploration, students:

- Investigate ecology and aquatic life of the watershed
- Learn water quality sampling techniques
- Explore nonpoint source pollution and water management
- Travel to the Milwaukee River to sample water quality
- Spend a day onboard a research vessel, UWM's R/V Neeskay, to sample Lake Michigan

This camp spends three days in the classroom at the Freshwater Science building, learning the science and techniques involved in exploring our local watersheds and two days applying new knowledge in the field. Students leave with a better understanding of the impact of water on our economy, recreational activities and public health.

Freshwater Science

\$250

Liz Sutton

8410-198 July 8-12, 9am-1:30pm

Gr. 9-12, Discovery Camp B

Limit: 14 students

*Note: Due to the nature of the activities, there will be additional waivers to sign to participate in the camp. There is a 30-minute, supervised lunch break every day. Please make sure students bring a bagged lunch.*

## 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. Note: The curriculum increases in complexity for each grade level.

### MULTIPLE GRADE LEVELS

#### NEW! African Art Exploration

In this course, we will explore African art from the UWM Art Collection. We will learn about the cultures that made the works and what the works meant to them. We'll also study the issues surrounding collecting and displaying African art in museums. We will apply what we've learned by designing the materials to display African art.

\$99

David Pacifico

8410-167 June 24-28, 9-11am  
Gr. 6-12, Discovery Camp 1

#### Beginning Guitar

Designed for the beginning guitar student, survey aspects of playing the acoustic guitar and learn 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. Note: A \$15 supply fee has been added to the course to cover the cost of the guitar rental.

\$115

Jason Spottek

8410-165 June 24-28, 9-11am  
Gr. 6-12, Discovery Camp 1

8410-174 June 24-28, 11:30am-1:30pm  
Gr. 3-5, Discovery Camp 1

#### Beginning Piano

This class is designed for students to develop basic piano skills. You work individually and in small groups to master the techniques of playing to learn pieces. There is also time spent in group instruction on musical notation and theory. Note: A \$15 supply fee has been added to the course to cover the cost of the piano rental.

\$115

Jason Spottek

8410-190 July 8-12, 9-11am  
Gr. K5-2, Discovery Camp B

8410-205 July 8-12, 11:30am-1:30pm  
Gr. 6-12, Discovery Camp B

8410-211 July 8-12, 2-4pm  
Gr. 3-5, Discovery Camp B



#### Beginning Ukulele

Get an introduction to the ukulele and the art of music performance through playing and singing music together. Learn how to play several chords, strumming patterns and scales as well as perform several songs as a group by the end of class.

Note: A \$15 supply fee has been added to the course to cover the cost of the ukulele rental.

\$115

Jason Spottek

8410-265 July 29-Aug 2, 11:30am-1:30pm  
Gr. 3-5, Discovery Camp 2

8410-277 July 29-Aug 2, 2-4pm  
Gr. 6-12, Discovery Camp 2

#### Blacksmithing **PECK**

This one-week workshop is an introduction to the fundamentals of blacksmithing. Demonstrations and information about tapering, twisting, scrolling, hot cutting, hot punching, upsetting, chisel work, cold connections and other techniques will be followed by lots of hands-on time. In addition, students will visit the Villa Terrace to explore the works of local legend and world-famous blacksmith Cyril Colnik. At the end of the week, all participants will leave with their very own hand-forged hooks, nails and other small decorative items.

\$210

Ryan Send & Aaron Boyd

8410-197 July 8-12, 9am-1:30pm  
Gr. 6-12, Discovery Camp B

8410-260 Aug 5-9, 9am-1:30pm  
Gr. 9-12, Discovery Camp 3

#### Ceramics **PECK**

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 bowls, picture frames, mobiles, jewelry and garden ornaments!

\$184

Laura Olson & Autumn Horwath

8410-224 July 22-Aug 2, 9-11am  
Gr. 6-8, Session II **PECK**

8410-231 July 22-Aug 2, 11:30am-1:30pm  
Gr. 3-5, Session II

8410-285 Aug 5-16, 9-11am  
Gr. 6-8, Session III **PECK**

8410-295 Aug 5-16, 11:30am-1:30pm  
Gr. 3-5, Session III

#### Comic Connections

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

\$164

Thomas Lane

8410-131 June 17-28, 9-11am  
Gr. 9-12, Session I

Maegan Rivera-Kananen

8410-140 June 17-28, 11:30am-1:30pm  
Gr. 6-8, Session I

## Crochet

Do you want to learn to crochet? Do you love making crafts that can be used and/or given as gifts? Learn how to do basic crochet techniques while making a cute scarf for yourself or someone else. You learn the basic pattern for small shapes and "granny squares." For beginners or those who love to crochet already.

**\$164**

**Rachel Zembrowski**

**8410-247 July 22-Aug 2, 2-4pm**  
**Gr. 6-12, Session II**

## Dance Workshop: Tap and Jazz

Learn to perform like a Broadway pro through the dance styles of Tap and Jazz. You'll learn routines to all the best Broadway tunes while practicing how to perform and tell a story through dance. Learn the most important warm-ups, stretching and strengthening techniques every dancer needs to know. Your friends and family can even see you show off in our final performance at the end of the week.

**\$115**

**Instructor: TBA**

**8410-323 Aug 5-9, 11:30am-1:30pm**  
**Gr. 3-5, Discovery Camp 3**

**8410-333 Aug 5-9, 2-4pm**  
**Gr. 6-8, Discovery Camp 3**

## Digital Fabrication – Stickers and Pencil Holders **PECK**

In this class, students will be introduced to 2D and 3D digital drawing and design. With a quick overview of simple design processes, such as drawing with curves and solid forms, students will apply their knowledge of digital fabrication processes to projects involving vinyl cut stickers, 3D printed pencil holders and other fun creative projects.

**\$210**

**Peck School of the Arts Staff**

**8410-319 Aug 5-9, 9am-1:30pm**  
**Gr. 6-12, Discovery Camp 3**



## DIY—Jewelry Making

Learn skills like wire cutting, hammering, shaping and stringing to make one-of-a-kind pieces. Students will have the option between making a bracelet or a sun catcher using copper, brass and crystals. Each student will take home their creation by the end of class.

**\$99**

**Jaide Davis**

**8410-105 June 10-14, 9-11am**  
**Gr. 6-8, Discovery Camp A**

**8410-110 June 10-14, 11:30am-1:30pm**  
**Gr. 3-5, Discovery Camp A**

## Embroidery

Have you ever wanted to add your own personal flair to your wardrobe? Want to learn to mend and make your own accessories and staples? Learn the basics of hand sewing and embroidery to create colorful and detailed imagery or even create your own wearable art without the expense and headache of a sewing machine. This course aims to teach the basics such as sewing buttons or fixing a hem, as well as more advanced techniques like creating your own embroidered pillow or doll. This class is for beginners with an interest in fabric and fiber arts.

**\$99**

**Rachel Zembrowski**

**8410-196 July 8-12, 9-11am**  
**Gr. 9-12, Discovery Camp B**

**8410-201 July 8-12, 11:30am-1:30pm**  
**Gr. 3-5, Discovery Camp B**

**8410-213 July 8-12, 2-4pm**  
**Gr. 6-8, Discovery Camp B**

## Jewelry & Metalsmithing **PECK**

**Copper Jewelry, Silver Rings, Moving Metal**

Make your own jewelry and metal objects as you explore metal, stone setting and moving metal in this unique art class! Basic techniques of metalworking are covered including cutting, drilling, texturing, shaping, with a potential for soldering. You learn to work with copper, brass and sterling silver. Add amazing faceted stones and cabochons to accent your jewelry. Craft a ring, pendant and more.

**\$174**

**Erica Meier & Ryan Send**

**8410-130 June 17-28, 9-11am**  
**Gr. 6-12, Session I**

## **NEW!** Kid's Photography Art Camp

This class will explore different ways to make photographic prints with and without cameras! We will make prints with found objects and/or plants onto paper and fabric exposed by the sun! We will also learn how to compose a photo with a digital camera and see the finished outcome on a printed photograph. We will learn how our eyes see. We will also learn what makes each of us unique. Digital cameras will be supplied.

**\$99**

**Shari Solheim**

**8410-114 June 10-14, 2-4pm**  
**Gr. K5-2, Discovery Camp A**

**8410-161 June 24-28, 9-11am**  
**Gr. 3-5, Discovery Camp 1**

## Print Making **PECK**

Printmaking will allow students to go on a journey of making multiples. From monotypes to relief printing, students will learn about the variety of ways that print artists create an image and then produce it in multiples, creating unique works. Students will be encouraged to focus not only on the image itself, but also how it communicates with the world.

**\$109**

**Hunter Louis**

**8410-336 Aug 5-9, 2-4pm**  
**Gr. 6-12, Discovery Camp 3**



## Start Drawing

Develop basic drawing skills, while you learn and apply concepts such as space, proportion and tone. Explore your creativity and practice techniques for creating great imagery.

\$99

Laura Olson

8410-192 July 8-12, 9-11am  
Gr. 3-5, Discovery Camp B

8410-203 July 8-12, 11:30am-1:30pm  
Gr. 6-8, Discovery Camp B

8410-217 July 8-12, 2-4pm  
Gr. 9-12, Discovery Camp B



## Theater 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. **Note: Students must bring another pair of shoes to change into to participate. Please make sure your child brings appropriate shoes: no flip-flops or sandals.**

\$164

Rachel Zembrowski

8410-220 July 22-Aug 2, 9-11am  
Gr. 3-5, Session II

8410-237 July 22-Aug 2, 11:30am-1:30pm  
Gr. 6-12, Session II

## GRADES K5-2

### An Artist a Day

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

\$99

Shari Solheim

8410-209 July 8-12, 2-4pm  
Gr. K5-2, Discovery Camp B

## Around the World in 10 Days

Get ready to become an art adventurer! We'll make our own passports and travel to a new country each day, where we'll explore the culture, food and animals of each place and make drawings, paintings and sculptures from what we find.

\$164

Instructor: TBA

8410-300 Aug 5-16, 2-4pm  
Gr. K5-2, Session III

## Art O'Saurus

Dinosaurs: gone but not forgotten, particularly in the imagination of young artists who often focus on these extinct creatures as their first creative obsession. This course gives you the opportunity to expand upon your existing knowledge of the T. rex, pterodactyls, marine reptiles and ceratopsians. Scientific facts and educated guesses provide the inspiration for projects in drawing, painting, printmaking and sculpture as you build and craft art objects that are all definitely "dinosaurish."

\$164

Instructor: TBA

8410-240 July 22-Aug 2, 2-4pm  
Gr. K5-2, Session II

## Capturing Color

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

\$99

Austin Downing

8410-328 Aug 5-9, 2-4pm  
Gr. K5-2, Discovery Camp 3

## Colorful Collage

Cut, glue and assemble different forms to create colorful scenery, portraits and designs.

\$99

Tomera Sheets

8410-270 July 29-Aug 2, 2-4pm  
Gr. K5-2, Discovery Camp 2

## I Made This

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

\$164

Rickeia Thomas

8410-291 Aug 5-16, 11:30am-1:30pm  
Gr. K5-2, Session III

## Oodles & Doodles

Have fun and get messy with a new art project everyday using your imagination and creativity to put special touches on these fun, easy take-home activities.

\$99

Austin Downing

8410-181 June 24-28, 2-4pm  
Gr. K5-2, Discovery Camp 1

## Outside Art

Do you like to be outside? Do you have an interest in art? Put both of your favorite things together! See what you observe outdoors as you use chalk, Cray-Pas, watercolor, markers and much more to express your "outside."

\$99

Shari Solheim

8410-101 June 10-14, 9-11am  
Gr. K5-2, Discovery Camp A

## Puppet Parade

Have fun learning to use finger, hand and shadow puppets to put on entertaining performances for your friends and family! Learn basic puppet movements and techniques.

\$164

Instructor: TBA

8410-134 June 17-28, 11:30am-1:30pm  
Gr. K5-2, Session I



## GRADES 3-5

### Book Making

Do you know the difference between an accordion book and 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

Tomera Sheets

8410-254 July 29-Aug 2, 9-11am  
Gr. 3-5, Discovery Camp 2

### Build It!

Become a sculptor — shaping, molding and creating with model magic, paper mâché, wire and found objects. Let your imagination run wild as you make action figures, exciting animals and fancy mobiles.

\$164

Instructor: TBA

8410-242 July 22-Aug 2, 2-4pm  
Gr. 3-5, Session II

### Friendship Bracelets for Beginners

Learn how to weave several pieces of colored yarn into a wearable bracelet. We'll begin with the introductory square knot and then advance to spiral knots, butterfly knots and more. We will use yarn and embroidery floss to make a variety of bracelets.

\$99

Elaine Palmer

8410-183 June 24-28, 2-4pm  
Gr. 3-5, Discovery Camp 1

### Mindful Art Practices

The world is a big and busy place where you are expected to go, go, go! Take some time to reflect and unwind with these mindful art practices.

This course will cover a variety of techniques and materials to help your child find their inner peace and practice expressing themselves in a creative and constructive way. It is never too early to learn about the importance of self-care and what better way to learn than through the fun and beauty of art? Look forward to collage, fiber arts, painting and more!

\$99

Instructor: TBA

8410-315 Aug 5-9, 9-11am  
Gr. 3-5, Discovery Camp 3

## Monster Makers

In this class, students will learn about classic creatures also known as "Monsters" in a brief study of Cryptozoology. After learning about face monsters like Bigfoot, the Loch Ness Monster and El Chupacabra, the students will create their own "Monster" in writing and a 3D crafted version.

\$164

Shari Solheim

8410-136 June 17-28, 11:30am-1:30pm  
Gr. 3-5, Session I

### Monster Mash

Monsters come in all shapes and sizes. Learn about friendly and not-so-friendly monsters by reading "Where the Wild Things Are" to "There's a Nightmare in my Closet." Use your imagination to create your very own monster out of clay and paper mâché and make it come to life.

\$164

Instructor: TBA

8410-293 Aug 5-16, 11:30am-1:30pm  
Gr. 3-5, Session III

### Sketch This

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

\$164

Instructor: TBA

8410-149 June 17-28, 2-4pm  
Gr. 3-5, Session I

### NEW! Theatre Games

Theatre games are a great part of the theatre experience. Let's spend a week just playing games!

\$164

Rachel Zembrowski

8410-138 June 17-28, 11:30am-1:30pm  
Gr. 3-5, Session I

## GRADES 6-8

### Interior Design

Are you in love with HGTV? Do you love decorating your room or any space? This is the class for you then. This class is an introduction to the field of interior design. Emphasis is placed on principles and elements of design and the selection and organization of furnishings, floor and wall coverings, window treatments, lighting and accessories. You will have clients and design their spaces to fit their needs.

\$99

Instructor: TBA

8410-275 July 29-Aug 2, 2-4pm  
Gr. 6-8, Discovery Camp 2

### Watercolor Basics

Find out how much fun watercolor painting can be! Learn about different techniques, how to control the medium the way you want, and the supplies and materials that watercolor artists use in their studios.

\$99

Elaine Palmer

8410-178 June 24-28, 11:30am-1:30pm  
Gr. 6-8, Discovery Camp 1

## GRADES 9-12

### Community Art **PECK**

Art should be shared. In this class, the students will learn techniques in outdoor art that allow them to share their artistic expression with the greater community. They will also learn about the benefits of art in creating a stronger community.

\$164

Instructor: TBA

8410-289 Aug 5-16, 9-11am  
Gr. 9-12, Session III

### The Potter's Wheel! **PECK**

Learn to shape clay on the potter's wheel! Students will create a variety of forms on the wheel and learn to trim, alter and decorate their work. Students can work functionally or sculpturally by combining wheel-thrown forms. Individual invention, creativity and experimentation are encouraged.

\$174

Laura Olson & Geryn Roche

8410-249 July 22-Aug 2, 2-4pm  
Gr. 9-12, Session II

8410-308 Aug 5-16, 2-4pm  
Gr. 9-12, Session III

## HUMANITIES & SOCIAL SCIENCES

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. Note: The curriculum increases in complexity for each grade level.

### MULTIPLE GRADE LEVELS

#### All About Politics

Love all the action in politics? Are you an aspiring politician or just want to know more about the democratic process? Then do not miss this journey through the history of politics. Learn how a new political party is created and study the development of the convention's national platform.

**\$164**

Thomas Lane

8410-142 June 17-28, 11:30am-1:30pm  
Gr. 6-12, Session I

#### Blueprints to Buildings **ARCH**

Use your imagination and math skills to design and decorate the spaces in which you live and play! We discuss measurement, ratio, proportion and the art of focused viewing, and then use these tools to create 3D drawings of our layouts. We also look at the furnishing's aspect of design. You end the week with a blueprint of what you want your space to look like.

**\$99**

SARUP faculty/staff

8410-335 Aug 5-9, 2-4pm  
Gr. 6-12, Discovery Camp 3

#### Community Psychology

Community psychology is the study of a person's environment, interactions and the ways society affects individual and community functioning which is referred to as a "lens." Participants will learn to recognize assets and areas of growth within the Milwaukee community. Compare and contrast the Milwaukee community to the communities of popular artists around the world. Learn how the community shapes artists' influence in the world. Each student will create an art piece using their personal lens examining how their influence impacts the Milwaukee community.

**\$99**

Jaide Davis

8410-257 July 29-Aug 2, 9-11am  
Gr. 6-12, Discovery Camp 2

#### Creative Writing

Attention aspiring writers: this is your chance to take over the language and use it to bring your imagination onto the page! Observation and creation are what we do and find words for what you see and dream!

**\$99**

Rachel Zembrowski

8410-120 June 10-14, 2-4pm  
Gr. 9-12, Discovery Camp A

Perry Carter

8410-334 Aug 5-9, 2-4pm  
Gr. 6-8, Discovery Camp 3

#### Designing with Virtual Reality **ARCH**

In this course, you can learn simple ways to create your own virtual world. You learn how to generate an idea by digitally drawing a composition in the air and interacting in your own composition. This is an ideal class to explore new communication technologies and digital models, perfect if you have thought about being an architect, sculptor or digital artist. This course focuses on VR usage to visualize and manipulate a tri-dimensional and interactive art/architectural virtual model.

**\$174**

Instructor: TBA

8410-298 Aug 5-16, 11:30am-1:30pm  
Gr. 6-12, Session III

#### **NEW!** Environmental Psychology **ARCH**

Through the lens of architectural building or urban scale, this class will discuss how the built environment affects human behavior and psychology. This class will infuse sociology, ecology, institutional design and healthcare.

**\$99**

Ali Gooch

8410-326 Aug 5-9, 11:30am-1:30pm  
Gr. 6-12, Discovery Camp 3

#### Fairies, Elves and Trolls. Oh My!

Once upon a time ... where the story ends, and your imagination begins. Young authors will discover creatures from our world and those out of this world, uncover mysteries of far-off lands, and explore places no man has seen before. Find the connections between art and literature as you venture into a magical land of fairies, elves and trolls ... oh my!

**\$99**

Rachel Zembrowski

8410-104 June 10-14, 9-11am  
Gr. 6-8, Discovery Camp A

8410-109 June 10-14, 11:30am-1:30pm  
Gr. 3-5, Discovery Camp A

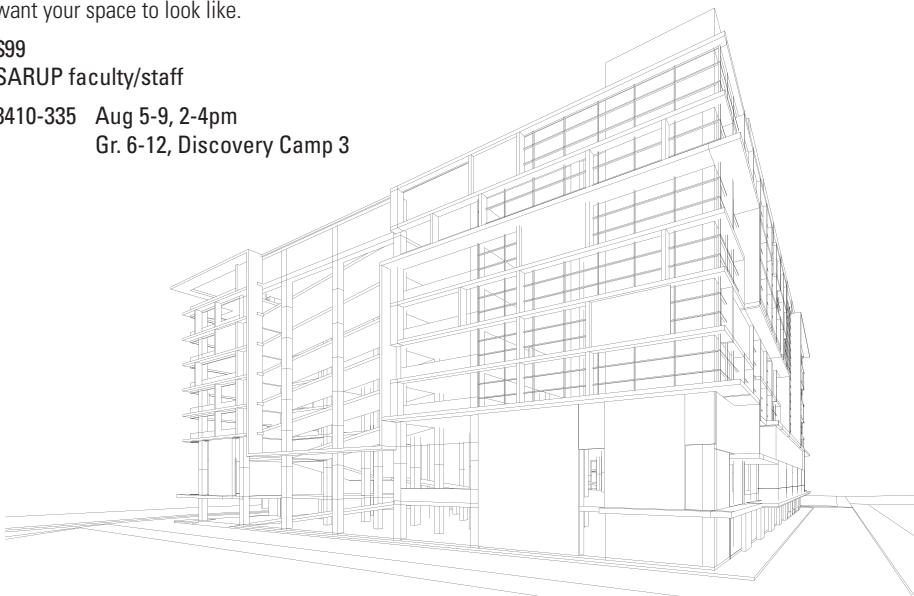
#### Interviewing and Reporting

Interested in journalism or reporting? Learn to conduct interviews and write your own news pieces! Discuss features, Q/A interviews, bias, objectivity, how to be a more critical consumer, how to scout a news story and more. Plus, practice interviewing your peers, and leave the class with a polished piece of writing.

**\$164**

Taylor Trost

8410-287 Aug 5-16, 9-11am  
Gr. 6-12, Session III







## Investing 101

Buy low, sell high! Gain knowledge and experience investing in the stock market and learn how to begin your financial path.

**\$99**

Eric Czyzewski

8410-117 June 10-14, 2-4pm  
Gr. 6-8, Discovery Camp A

8410-279 July 29-Aug 2, 2-4pm  
Gr. 9-12, Discovery Camp 2

## NEW! Medieval Warfare

The Medieval period is a fascinating time in European history. In this class, students will learn about the different types of warriors on a medieval battlefield, including knights, men-at-arms and archers and how they served in the strategies of warfare during a time of conflict that still affects our history to this time.

**\$99**

Eric Czyzewski

8410-258 July 29-Aug 2, 9-11am  
Gr. 6-12, Discovery Camp 2

## Mythology

Study the Greek, Roman, Norse and other world mythologies. Focus on the gods, their purpose in the lives of humans, and how mythology reflects the culture of the people and offers a rational explanation for certain natural and scientific phenomena.

**\$164**

Rachel Zembrowski

8410-154 June 17-28, 2-4pm  
Gr. 6-12, Session I

## Order in the Court

Learn courtroom procedure, the rules of evidence and knowledge about the law. Enact a fictitious trial. Bring law to life through active participation, preparation and dramatic techniques. Take on the roles of lawyers and witnesses.

**\$164**

Iruoma Ezumba

8410-238 July 22-Aug 2, 11:30am-1:30pm  
Gr. 9-12, Session II

## So, You Want to Be a Lawyer?

Practicing law is a lot of work. It can be fulfilling and fun. If you think you might want to become a lawyer, this class provides a taste of what you'd face pursuing that career. Through a variety of activities, projects and role-playing, you will learn about and experience a bit of the process of taking the LSAT, reciting in a law school class, selecting a specialty, and representing clients.

**\$99**

Iruoma Ezumba

8410-166 June 24-28, 9-11am  
Gr. 6-12, Discovery Camp 1

## NEW! Tabletop Strategy Games

Students will play various strategy games based on history and science, learn their strategies on a deeper level and critique the design choices of the games they played. Then, students will create their own improvements and expansions on the games, based on research and game design principles.

**\$164**

Michael Lawton

8410-226 July 22-Aug 2, 9-11am  
Gr. 6-12, Session II

## 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 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**

Luise Noe

8410-111 June 10-14, 11:30am-1:30pm  
Gr. 6-8, Discovery Camp A

8410-115 June 10-14, 2-4pm  
Gr. 3-5, Discovery Camp A



## NEW! Trading Card Games

Trading Card games such as Pokémon and Magic the Gathering are hugely popular due to the strategy, artwork and collectability. Students in this class will be given the opportunity to learn how to play and collect these cards. Students will learn how to follow standard rules for all games played and will work with others in the class and the instructor to learn strategies and how to care for cards. **Note: Students will be encouraged to bring their personal cards to this class to participate at a higher level. The students, not UWM College for Kids & Teens, will be responsible for their own cards. Trading cards might be part of the class experience but is not an expectation of the class. Any trades will be evaluated with the help of the instructor and a trading card app. If you wish to not have your student trade, please contact our office at [cfkids@uwm.edu](mailto:cfkids@uwm.edu) prior to the first class.**

\$99

Damien Miller

8410-162 June 24-28, 9-11am  
Gr. 3-5, Discovery Camp 1

8410-177 June 24-28, 11:30am-1:30pm  
Gr. 6-12, Discovery Camp 1

## Urban Planning ARCH

You are part of a special team that has been brought together to build the greatest city in the world. Work together and figure out exactly what your city will look like and how it will work. Do you want bridges, houses, condos, a movie theater or an airport? How will you get your food? How will you limit the number of people in your city? You and your classmates will oversee building the city of the future.

\$99

SARUP faculty/staff

8410-267 July 29-Aug 2, 11:30am-1:30pm  
Gr. 6-12, Discovery Camp 2

## GRADES K5-2

### 50 Nifty States

Learn the names of all 50 states and some interesting facts about each one. Sample foods associated with each state and learn to love and appreciate our beautiful country.

\$99

Austin Downing

8410-271 July 29-Aug 2, 2-4pm  
Gr. K5-2, Discovery Camp 2

### Ahoy There, Matey!

Study the seven seas and learn all about the pioneering people who discovered and used them ... for better and for worse. Columbus and Magellan made their names by riding the tides, but there were many others. "Jack Sparrow" and other pirates worked sea to sea. Learn about the different types of ships they sailed, the different jobs that the shipmates had and assemble your own ship's crew. Find out what the pirates wore and ate. Join us on the last day for a treasure hunt and pirate party. **Note: Bring an old shoebox to class on the first day.**

\$99

Austin Downing

8410-251 July 29-Aug 2, 9-11am  
Gr. K5-2, Discovery Camp 2

### Alphabeasts

Animals and the alphabet are the subjects of this art, science and reading readiness class. A Dinosaur Day and other special surprises will provide a great, roaring learning adventure.

\$99

Jordan Lind

8410-262 July 29-Aug 2, 11:30am-1:30pm  
Gr. K5-2, Discovery Camp 2

## Dragon Tales

Get excited about reading by listening to stories filled with dragons, princesses, pirates and more! Enjoy some of your imagination when you try something new.

\$99

Shari Solheim

8410-200 July 8-12, 11:30am-1:30pm  
Gr. K5-2, Discovery Camp B

## Fairytales on Trial

The Bear family has pressed charges against Goldilocks, accusing her of trespassing, damage to property and robbery! You will participate in trials to determine whether Goldilocks and other fairy-tale characters are guilty or innocent of their accused crimes. Learn how to defend or prosecute Goldilocks. You will learn to work as prosecution and defense teams as well as to deliberate and make decisions, study trial procedures and understand and use legal terms.

\$99

Instructor: TBA

8410-230 July 22-Aug 2, 11:30am-1:30pm  
Gr. K5-2, Session II

## Games Galore

Join us as we explore kid-friendly games and what makes them fun. After playing games, we follow up by writing about our experiences and sharing our ideas.

\$99

Suzanne Peterson-Acklam

8410-329 Aug 5-9, 2-4pm  
Gr. K5-2, Discovery Camp 3

## Oh, The Places We'll Go!

Bring Dr. Seuss and his characters right into the classroom! We'll explore the fun literature of the incomparably silly Dr. Seuss through art, math, literacy and movement. Write a daily journal, along with a book of rhymes, graphing, comparing and contrasting books and characters. Each day we will have a Dr. Seuss theme, including crazy sock day, hat day and green eggs and ham day.

\$99

Austin Downing

8410-172 June 24-28, 11:30am-1:30pm  
Gr. K5-2, Discovery Camp 1

## Playground Games

Learn sportsmanship, rules, make friends and have fun this summer playing games! We'll do warm-up stretches and then play games like kickball, capture the flag and relay races. Come dressed for fun and ready to play!

**\$99**

Shari Solheim

8410-108 June 10-14, 11:30am-1:30pm  
Gr. K5-2, Discovery Camp A

## Safari Adventures

Put your explorer's hat on and journey to the African Savannah to learn about the land and the animals that make the Serengeti their home. Learn about the unique plants and animals, including wildebeests, gazelles, zebras and buffalo that call it home.

**\$164**

Rickeia Thomas

8410-280 Aug 5-16, 9-11am  
Gr. K5-2, Session III

## Superheroes in Training

A fun-filled STEM class in which you get to create your superhero mask! Tell your superhero's story by writing your very own comic strip, use unplugged coding to create a superhero path, design your very own superhero necklace and build a superhero vehicle!

**\$99**

Instructor: TBA

8410-219 July 22-Aug 2, 9-11am  
Gr. K5-2, Session II

## Where in the World?

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

**\$164**

Rickeia Thomas

8410-133 June 17-28, 11:30am-1:30pm  
Gr. K5-2, Session I

## 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.

**\$164**

Instructor: TBA

8410-301 Aug 5-16, 2-4pm  
Gr. K5-2, Session III

## Word Detective Camp

Be a word detective! Find the secret sight words, go on a blends word hunt, use your decoding skills and context clues to earn your word detective badge at the end of this course.

**\$99**

Jordan Lind

8410-159 June 24-28, 9-11am  
Gr. K5-2, Discovery Camp 1

## Writing is Magic

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

**\$99**

Austin Downing

8410-311 Aug 5-9, 9-11am  
Gr. K5-2, Discovery Camp 3





## GRADES 3-5

### Checkmates!

Don't be a pawn in someone else's game of chess. Come learn about this popular board game that dates back to the 15th century. Learn the game pieces, from the king, queen, bishop, knight, rook to the pawn. Practice the basic maneuvers that must follow individual rules of movement with the objective of checkmating the opposing king. Please bring your own chess set to class if you have one. This class is intended for beginners only and is meant as an instructional class to learn the basics of chess.

**\$99**

Instructor: TBA

**8410-322** Aug 5-9, 11:30am-1:30pm  
Gr. 3-5, Discovery Camp 3

### Crack the Case

Here's your chance to show off your detective skills. Use logical thinking and deductive reasoning to untangle clues and solve mysteries. You may watch a mystery movie or read some detective fiction to learn what tricks detectives use in real life.

**\$164**

Instructor: TBA

**8410-303** Aug 5-16, 2-4pm  
Gr. 3-5, Session III

### Fairytales From Across the World

Pack your bags. We will travel around the world without leaving the classroom. This course will highlight different countries from around the world and their takes on universal stories of love, hardship and triumph. Fairytales will be the basis for our projects and our own invented stories.

**\$99**

Iruoma Ezumba

**8410-313** Aug 5-9, 9-11am  
Gr. 3-5, Discovery Camp 3

### Fun With Words

Do you enjoy reading, writing and learning new words? Have you ever come across a word and didn't know what it means? If so, you are in luck, because in this class we expand your personal vocabulary by exploring and building new words each day. At the end of this class, you walk away with your own personal dictionary full of new words that you can use to impress friends and family!

**\$99**

Iruoma Ezumba

**8410-175** June 24-28, 11:30am-1:30pm  
Gr. 3-5, Discovery Camp 1

### Greek Gods!

Learning about Greek gods is fascinating! In this course, you will learn about the amazing tales and adventures of the ancient Greek gods and heroes. You will also learn about the influence the ancient Greeks had on modern day culture.

**\$99**

Luise Noe

**8410-332** Aug 5-9, 2-4pm  
Gr. 3-5, Discovery Camp 3

### History Comes Alive

What kind of pioneer would you be? You will explore the lifestyle of our ancestors through taste, touch, smell and hearing. You will get a chance to try your hand at farm chores such as gardening, butter making, threshing and spinning. Your Explorer Journal will record your own pioneer experiences.

**\$164**

Luise Noe

**8410-151** June 17-28, 2-4pm  
Gr. 3-5, Session I

### Minute to Win It

Play some of the popular games from the hit TV show "Minute to Win It." Try your hand at Bucket Head, Elephant March and Card Ninja. Build sportsmanship and leadership qualities and be inspired to invent your own "Minute to Win It" games.

**\$99**

Tomera Sheets

**8410-264** July 29-Aug 2, 11:30am-1:30pm  
Gr. 3-5, Discovery Camp 2

### Monster's Lit

Many children fear the monster that could be hiding under the bed. Conquer those fears by coming face to face with famous monsters from children's texts as well as literary texts. We will venture into the woods to see *Where the Wild Things Are*, and we'll go looking for Frankenstein's monster too. Join us on this intriguing journey into the monsters of literature. When the monsters come out to play, we'll be ready to have some fun with them.

**\$99**

Jen Bertrand-LaDuke

**8410-191** July 8-12, 9-11am  
Gr. 3-5, Discovery Camp B





## My Society: Create Your Own City

Students will be challenged to create their own city. Using measuring, estimation, budgeting and spatial recognition, students become city planners and mayors of their own city. This hands-on math class challenges students to become creative and fiscally responsible while creating their own metropolis. Come ready to roll up your sleeves.

**\$164**

**Instructor: TBA**

**8410-283 Aug 5-16, 9-11am  
Gr. 3-5, Session III**

## Pen a Pokémon

Gotta catch'em all! In this class, students will use a focus on the vast world of Pokémon as a backdrop for their own story writing. Students will create their own pocket monsters and help to advance the story of Pokémon with their own spin!

**\$164**

**Instructor: TBA**

**8410-241 July 22-Aug 2, 2-4pm  
Gr. 3-5, Session II**

## Ready, Set, Geocache!

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

**\$99**

**Instructor: TBA**

**8410-274 July 29-Aug 2, 2-4pm  
Gr. 3-5, Discovery Camp 2**

## Secret Spy School

Crack the code, complete the obstacle course, build your own marshmallow shooter and write invisible ink messages.

**\$99**

**Instructor: TBA**

**8410-253 July 29-Aug 2, 9-11am  
Gr. 3-5, Discovery Camp 2**

## Superhero Mythology

Mythology has been society's way of dealing with the unknown and creating super-human gods and goddesses as the heroes and villains of these tales of wonder. In this class, you learn about our modern-day mythology, superheroes and comic books! From Superman to Captain America and the Joker to Thanos, these larger-than-life characters consume our literature and appear on our big screens. Learn how these superheroes compare to the mythology of ancient Greece, China, Scandinavia and more!

**\$99**

**Eric Czyzewski**

**8410-102 June 10-14, 9-11am  
Gr. 3-5, Discovery Camp A**

## GRADES 6-8

### Advertising 101

Students will learn about the fundamentals of advertising and how to abide by the standards of advertising ethics to truthfully market to their clients. Students will create a mock advertising and public relations campaign kit for a product or invention of their choosing. This class will be held in a computer lab. **Note: By registering for this class, you provide permission for your child to access the internet.**

**\$164**

Misornu Nartey

8410-305 Aug 5-16, 2-4pm  
Gr. 6-8, Session III

### Architecture and Fabrication ARCH

Do you want to learn how to make three-dimensional objects that will have an impact on the built environment? This class offers access to a rapid prototyping lab and tools and resources aimed at computer-aided prototyping and model making. See how to use the laser-cutting and 3D printer. See how these tools can change the way you think about your city.

**\$174**

SAURUP Staff

8410-128 June 17-28, 9-11am  
Gr. 6-8, Session I

### Battles of WWII

Did you know that moon phases and the tides were used to plan the D-Day Invasion? Examine important battles of the war, focusing on technology and strategy.

**\$99**

Eric Czerwewski

8410-266 July 29-Aug 2, 11:30am-1:30pm  
Gr. 6-8, Discovery Camp 2

### Building Your 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.

**\$164**

Misornu Nartey

8410-296 Aug 5-16, 11:30am-1:30pm  
Gr. 6-8, Session III

### Build Your Own Business DATA

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

**\$164**

Quentin Prince

8410-244 July 22-Aug 2, 2-4pm  
Gr. 6-8, Session II

### Celtic, Norse, Slavic & Arthurian Myth

In this social science course, examine ideas about the divine and the human in the ancient religious stories from the United Kingdom, Central Europe and Scandinavia. Address the interaction of the three cultures and investigate their beliefs in creation, the divinities and heroes. You will also examine the stories of the 20th century that were inspired by these myths, from Tolkien to Lewis.

**\$164**

Luise Noe

8410-127 June 17-28, 9-11am  
Gr. 6-8, Session I

### Comic Books and Graphic Novels

Superheroes, villains, chilling mysteries and action-packed adventures await you in this introductory course. We delve into character creation and imaginative storytelling with examples from the most popular graphic novels and comic books today. With dynamic heroes and winding tales, we focus on creative workshops that explore paneling, color theory, composition and more!

**\$164**

Maegan Rivera-Kananen

8410-235 July 22-Aug 2, 11:30am-1:30pm  
Gr. 6-8, Session II

### Debate Forensics 101

Did you know forensics isn't just a science? It's an art! Come to this crash course about the academic sport of forensics! Learn the basics about the different categories you can perform in as well as hone your skills. Perfect crash course for those who want to join their school's forensics club, want to practice before the incoming year, or just want to try something new!

**\$99**

Maegan Rivera-Kananen

8410-204 July 8-12, 11:30am-1:30pm  
Gr. 6-8, Discovery Camp B

### Detective Fiction

Become a detective in this class on Sherlock Holmes. Students will learn about the history and craft of detective fiction and read several classic Sherlock Holmes' stories.

**\$99**

Luise Noe

8410-325 Aug 5-9, 11:30am-1:30pm  
Gr. 6-8, Discovery Camp 3

### Public Speaking

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

**\$99**

Iruoma Ezumba

8410-185 June 24-28, 2-4pm  
Gr. 6-8, Discovery Camp 1

### NEW! Sci-Fi Fiction Writing

In this class, we will learn from some iconic examples of Sci-Fi fiction and use these examples to create our own.

**\$164**

Rachel Zembrowski

8410-129 June 17-28, 9-11am  
Gr. 6-8, Session I

### NEW! Wrestling: Past, Present and Future

1...2...3! Ever curious about wrestling? Are you a casual fan who wants to learn more? Come learn about the wonderful world of wrestling! Learn about WWE, AEW and international wrestling companies. Take in the different storylines and characters you might see on television. Learn about up-and-coming wrestling superstars before they hit the big screen! Finally, create your own wrestling live event with all of the new information you learned from this class!

**\$99**

Maegan Rivera-Kananen

8410-194 July 8-12, 9-11am  
Gr. 6-8, Discovery Camp B





## GRADES 9-12

### Ace Academic Writing

Do words like hook sentences, 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 you need to organize early drafts to turn them into polished pieces of writing. Join us for one week filled with tips that will make writing fun.

\$99

Luise Noe

8410-318 Aug 5-9, 9-11am  
Gr. 9-12, Discovery Camp 3

### Architecture and Fabrication II ARCH

Do you want to learn how to make three-dimensional objects that will have an impact on the built environment? This class offers access to a rapid prototyping lab and tools and resources aimed at computer-aided prototyping and model making. See how to use the laser-cutting and 3D printer. See how these tools can change the way you think about your city.

\$174

Instructor: TBA

8410-145 June 17-28, 11:30am-1:30pm  
Gr. 9-12, Session I

### Communication 101

Good communication is considered by many to be one of the most important skills to have. Learn to communicate with teens from different areas, schools and backgrounds, study clear communication strategies and practice public speaking. You will also express your thoughts through the writing process and understand best practices for interacting with guardians, teachers and peers.

\$164

Iruoma Ezumba

8410-227 July 22-Aug 2, 9-11am  
Gr. 9-12, Session II



### Delve into 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 guardians, 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 Czystewski

8410-113 June 10-14, 11:30am-1:30pm  
Gr. 9-12, Discovery Camp A

### Philosophy 101

To be, or not to be? Get an introduction to life's questions and explore how they affect human beings.

\$99

Luise Noe

8410-106 June 10-14, 9-11am  
Gr. 9-12, Discovery Camp A

### NEW! Rhetorics

This course will help you become a master of persuasion and argument. Students will learn to identify and utilize persuasive techniques by writing about a topic and making appropriate arguments.

\$164

Luise Noe

8410-144 June 17-28, 11:30am-1:30pm  
Gr. 9-12, Session I

### NEW! Space Architecture ARCH

In this class, we will cover the most simplified needs for a dwelling and precedent of structures on Earth that meet those needs in distinctive ways. We will also use precedent from spacecraft/structures that can house people. We will use books or media that focus on ways of building stable housing on spacecraft, other planets, the moon, etc.

\$99

Ali Gooch

8410-179 June 24-28, 11:30am-1:30pm  
Gr. 9-12, Discovery Camp 1

### Speak for Yourself

Does the thought of public speaking make you weak in the knees? Or, just the opposite, does it make you excited? No matter how you feel about writing and presenting speeches, public speaking is a skill that's worth developing. We will create a safe, fun environment to improve our speaking and writing skills. Learn to speak for yourself!

\$164

Julie Haley

8410-309 Aug 5-16, 2-4pm  
Gr. 9-12, Session III

### What's The Plot

What's fiction without plot and structure? To write a fiction piece that will keep your readers glued to the page, mastering these elements are essential. Gain a better understanding on what plot and structure is. Learn how to structure your novel by developing strong characters, brainstorming new ideas and shaping your story through scenes and chapters.

\$99

Luise Noe

8410-208 July 8-12, 11:30am-1:30pm  
Gr. 9-12, Discovery Camp B

## 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. Note: The curriculum increases in complexity for each grade level.

### MULTIPLE GRADE LEVELS

#### NEW! African Culinary Art

Experience a vibrant journey into the diverse and rich world of African culinary art. Through a blend of hands-on cooking experiences, cultural exploration and historical context, students will gain a deep appreciation for the flavors, techniques and traditions that define African cuisine.

**\$184**  
Iruoma Ezumba

**8410-245** July 22-Aug 2, 2-4pm  
Gr. 6-12 Session II

#### African Life & Culture

Discover some of the rich cultural practices and traditions of the second largest continent on Earth. Learn about the ways tradition is kept alive in modern Africa while exploring the diversity of people, celebrations and creative expressions across the continent.

**\$109**  
Maria Hamming

**8410-214** July 8-12, 2-4pm  
Gr. 6-12 Discovery Camp B

#### 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**  
Instructor: TBA

**8410-173** June 24-28, 11:30am-1:30pm  
Gr. 3-5, Discovery Camp 1  
**8410-180** June 24-28, 2-4pm  
Gr. K5-2, Discovery Camp 1

### Beginning Spanish

Learn Spanish which is needed to succeed in communicating at different settings: at a restaurant, at the bank, at the doctor, etc. Learn vocabulary, pronunciation and grammar as you have fun role-playing. If you are interested in learning or improving your Spanish, then remember: the best way to learn Spanish is to put it into practice! The curriculum is adjusted for each grade level.

**\$99**  
Jessica Santiago

**8410-316** Aug 5-9, 9-11am  
Gr. 6-8, Discovery Camp 3  
**8410-324** Aug 5-9, 11:30am-1:30pm  
Gr. 3-5, Discovery Camp 3

### Conversational Spanish

Read and discuss brief articles in Spanish from a variety of publications: Spanish language newspapers, magazines and bilingual resources. Watch short video clips and join in on a variety of games and activities to stimulate discussion. A list of resources will be provided for those desiring additional practice. **Prerequisite: Successful completion of a formal Spanish 2 class.**

**\$99**  
Jessica Santiago

**8410-337** Aug 5-9, 2-4pm  
Gr. 6-12, Discovery Camp 3

### NEW! German Language & Culture

This class dives into Germany of today, teaching about culture, geography and language. We will cover cultural staples beyond just Bavaria, discussing the different areas and cities as well. Let's learn about the Bundesliga, German music and food other than Pretzel. Additionally, we will cover vocabulary and short conversations on the topics in German (taught by a native speaker).

**\$99**  
Luise Noe

**8410-256** July 29-Aug 5, 9-11am  
Gr. 6-8, Discovery Camp 2  
**8410-268** July 29-Aug 5, 11:30am-1:30pm  
Gr. 6-12, Discovery Camp 2  
**8410-273** July 29-Aug 5, 2-4pm  
Gr. 3-5, Discovery Camp 2

### Italian Cooking

What about learning Italian through Italian cooking classes? It's a win-win, right? You could have an introduction to Italian and learn how to prepare a wonderful tiramisu, risotto and other Italian dishes. Join us in this delicious adventure ... you get to eat what you prepare!

**\$184**  
Enrica Fracchia & Jany Bachour

**8410-123** June 17-28, 9-11am  
Gr. 3-5, Session I  
**8410-139** June 17-28, 11:30am-1:30pm  
Gr. 6-8, Session I



### NEW! Lebanese Cultural Cooking

Ladhidh! In this class, you will learn traditional Lebanese recipes that will be prepared and appreciated each day. Learn to prepare some traditional foods that may include; Hummus, Baba Ghanoush and stuffed cabbage rolls.

**\$184**  
Jany Banchour & Enrica Fracchia

**8410-148** June 17-28, 2-4pm  
Gr. 3-5, Session I

### NEW! Learn about Ojibwemowin

One of the Indigenous languages of Wisconsin, Ojibwe is spoken in over 200 communities around the great lakes. Join Dr. Breu and others to learn some basic phrases and words along with some cultural practices. Come with your open mind and curious heart. Take a peek at what you might learn, visit Ojibwe.net.

**\$99**  
Dr. Nathan Breu

**8410-193** July 8-12, 9-11am  
Gr. 3-5, Discovery Camp B  
**8410-206** July 8-12, 11:30am-1:30pm  
Gr. 6-12, Discovery Camp B  
**8410-210** July 8-12, 2-4pm  
Gr. K5-2, Discovery Camp B

## 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. Note: The curriculum increases in complexity for each grade level.

### MULTIPLE GRADE LEVELS

#### Coding Academy

As technology dominates our lives, learning basic computer programming isn't just a smart idea – it's an essential skill for kids. Learning how to build simple websites and games helps you refine your design, logic and problem-solving abilities. It also allows you to express ideas and creativity in unique ways. We will learn using websites such as Code.org, Code Academy, Code Avengers, Code Monster and Scratch. [Note: By registering for this class, you provide permission for your child to access the internet.](#)

**\$174**

Instructor: TBA

8410-223 July 22-Aug 2, 9-11am  
Gr. 6-8, Session II

8410-233 July 22-Aug 2, 11:30am-1:30pm  
Gr. 3-5, Session II

#### 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. [Note: By registering for this class you provide permission for your child to access the internet.](#)

**\$174**

Instructor: TBA

8410-288 Aug 5-16, 9-11am  
Gr. 6-12, Session III

8410-294 Aug 5-16, 11:30am-1:30pm  
Gr. 3-5, Session III

#### Geometry All Around

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

**\$164**

Instructor: TBA

8410-232 July 22-Aug 2, 11:30am-1:30pm  
Gr. 3-5, Session II

**\$99**

Instructor: TBA

8410-331 Aug 5-9, 2-4pm  
Gr. 3-5, Discovery Camp 3

#### Minecraft: EDU

Think Minecraft is just a video game? Think again. You can create, explore and put problem-solving skills to the test with storyboarding 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! [Note: Students may be required to have a Minecraft account purchased for a PC prior to class start date. Come to class prepared with log-in information. By registering for this class, you provide permission for your child to access the internet.](#)

**\$174**

Emily Hartford

8410-125 June 17-28, 9-11am  
Gr. 3-5, Session I

8410-143 June 17-28, 11:30am-1:30pm  
Gr. 6-12, Session I

#### What's the Chance? **DATA**

In this course, you develop a greater understanding of probability and statistics – two areas of mathematics that easily transfer from the classroom to the real world. Conduct experiments and generate data which you then display in graphs, charts and tables to compare the effects of particular variables. You will also explore probability and the study of chance to learn how to use numerical data to predict future events.

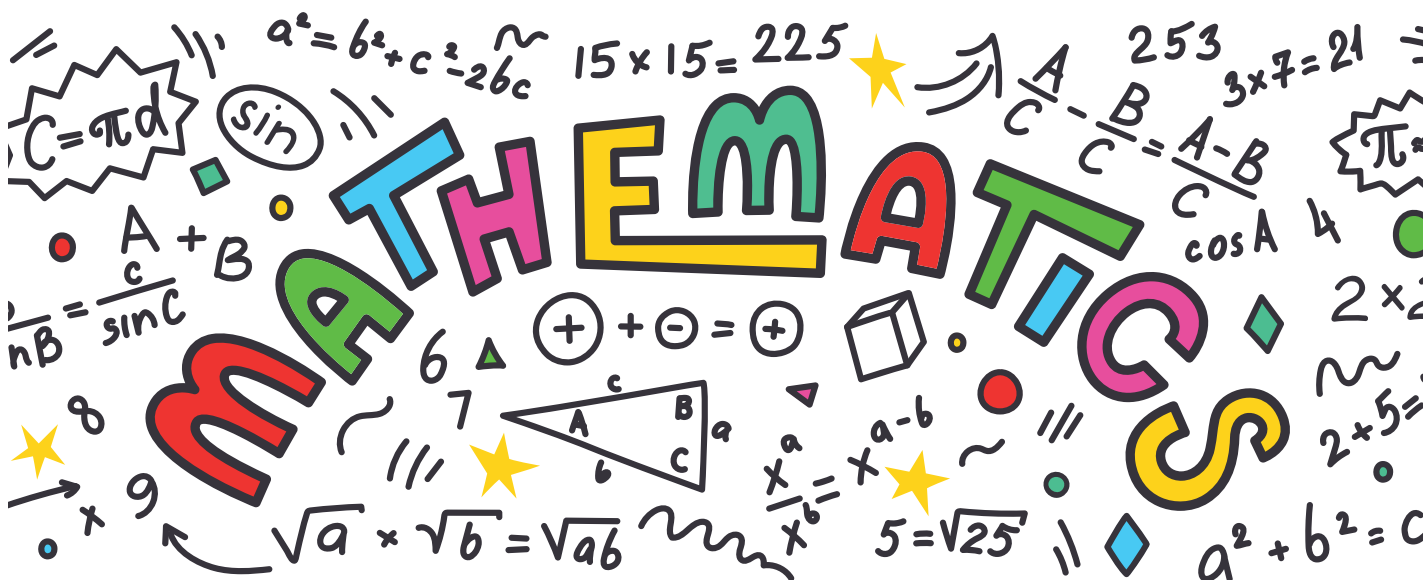
**\$99**

Mahmoud Hasan

8410-119 June 10-14, 2-4pm  
Gr. 6-12, Discovery Camp A







## GRADES K5-2

### #10 and Beyond

Calling all young minds with a curiosity for numbers! Learn mathematical concepts to solve problems and challenges, including patterning, place value, shapes and estimating. *Note: This is not a skill-building class. Children must know and recognize numbers 1-10 before class begins.*

\$99

Austin Downing

8410-321 Aug 5-9, 11:30am-1:30pm  
Gr. K5-2, Discovery Camp 3

### \$mart Money

Have an allowance? Spend it or save it? What is the difference between money and credit cards? Learn the value of money, how you earn it, why you should save it and how to keep track of it.

\$164

Instructor: TBA

8410-122 June 17-28, 9-11am  
Gr. K5-2, Session I

### Dicen' Up Math

Dice can be a lot of fun, especially when they help you spice up your math skills. Take a chance, roll the dice and calculate some fun in this class.

\$164

Enrica Fracchia

8410-281 Aug 5-16, 9-11am  
Gr. K5-2, Session III

### Everyday Math

This class is designed to engage students with stimulating mathematical themes and objects they encounter in their everyday lives. We provide explicit instruction and age-appropriate activities that encourage children to think about, talk about and explore math concepts and skills. This class explores place value, fact families, telling time to the hour and half-hour and generating numeric patterns.

\$99

Austin Downing

8410-261 July 29-Aug 2, 11:30am-1:30pm  
Gr. K5-2, Discovery Camp 2

### Gobble Up Math

In this class, it's okay to play with your food! You'll eat up activities about patterns, measurements, fractions and geometry. What a delicious way to learn about math!

\$164

Instructor: TBA

8410-239 July 22-Aug 2, 2-4pm  
Gr. K5-2, Session II

### Got Math?

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

\$164

Enrica Fracchia

8410-292 Aug 5-16, 11:30am-1:30pm  
Gr. K5-2, Session III

### Making Cents of It

What good is a piggy bank full of coins if you don't know what they mean or how to use them? This class helps you learn the value of each coin, how they add up and how to make purchasing decisions.

\$164

Rickeia Thomas

8410-218 July 22-Aug 2, 9-11am  
Gr. K5-2, Session II

### Math as Easy as 1, 2, 3

Mathematical concepts are explored in this class, including counting, patterning, place value, shapes and estimating. Challenge your thinking and problem-solving techniques. This is a great class for young minds with a curiosity for numbers.

\$99

Rebecca Lind

8410-199 July 8-12, 11:30am-1:30pm  
Gr. K5-2, Discovery Camp B

### Wacky World of Numbers

How can you estimate the number of seeds in a watermelon, the number of chips in a chocolate chip cookie or the number of seeds in a sunflower? Jump into creative problem-solving, math games and other adventures through the wacky world of numbers.

\$99

Rebecca Lind

8410-312 Aug 5-9, 9-11am  
Gr. K5-2, Discovery Camp 3

## GRADES 3-5

### **NEW!** Building Tiny Houses

Using math and spatial recognition, the students in this class will create a tiny model of their dream house, using geometry, measurement and artistic skills to create their tiny houses.

**\$99**

Jen Bertrand-LaDuke

8410-202 July 8-12, 11:30am-1:30pm  
Gr. 3-5, Discovery Camp B

### Fun<sup>2</sup>

Math can be fun, exciting and creative — you just have to learn how. Crack math problems, magic squares and math riddles. Stump your friends, your guardians and teachers with all your new knowledge.

**\$99**

Instructor: TBA

8410-163 June 24-28, 9-11am  
Gr. 3-5, Discovery Camp 1

### Games, Cards & More!

Yahtzee, Bingo, Poker — how can you improve your chances of winning? Learn about the probability of a card turning up the next time you play. Develop your mathematical reasoning, strategy and logic through the study of games.

**\$164**

Instructor: TBA

8410-135 June 17-28, 11:30am-1:30pm  
Gr. 3-5, Session I

Maegan Rivera-Kananen

8410-222 July 22-Aug 2, 9-11am  
Gr.3-5, Session II

### Jr. Wallstreet

Learn all about the exciting world of investments. Why do prices go up? When and what do you buy? When do you sell? Discover the answers to these and many other questions in this lucrative, introductory course. Invest some time into this education to prepare for your future.

**\$99**

Mahmoud Hasan

8410-255 July 29-Aug 2, 9-11am  
Gr. 3-5, Discovery Camp 2

### Math Busters!

No challenge is too great for Math Busters. Take math on with a vengeance as you dig in and play games, solve riddles and complete spine-tingling experiments. Use math skills like probability, statistics, story problems and graphing to determine if the math problem is confirmed, plausible or busted.

**\$164**

Instructor: TBA

8410-284 Aug 5-16, 9-11am  
Gr. 3-5, Session III

### Math Contests

Each day you will compete in a different contest to test your math skills. One day it might be a math bee, the next day a round from the Math Olympiad. See how you can be challenged.

**\$164**

Instructor: TBA

8410-150 June 17-28, 2-4pm  
Gr. 3-5, Session I

### Math You'll Use

What's the fastest route to school? How tall is my house? How many candy bars can I get for \$5? Investigate real-world mathematical concepts and applications. Explore all the ways you can use math in the world around you.

**\$99**

Instructor: TBA

8410-272 July 29-Aug 2, 2-4pm  
Gr. 3-5, Discovery Camp 2

### Money Magic

If nickels were wishes, we'd all be millionaires. Wishing won't make money grow, but you can learn how pennies do grow into dollars. Learn about cash, checkbooks and how the financial world really works. Explore banks, savings and loans, credit unions and investment companies.

**\$99**

Mahmoud Hasan

8410-103 June 10-14, 9-11am  
Gr. 3-5, Discovery Camp 2

### Problems Solved

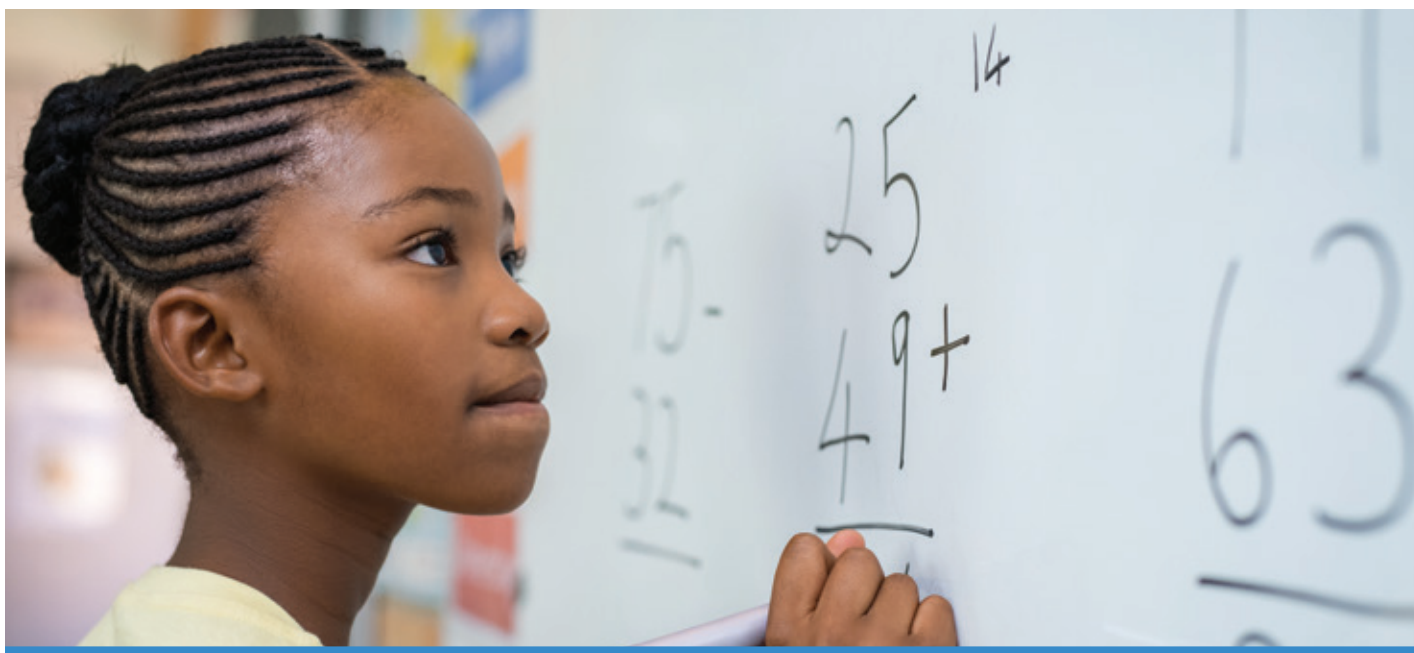
Learn how to solve the most complex math problems. Draw diagrams and graphs, make lists, estimate, eliminate unreasonable possibilities, identify patterns and manipulate variables.

**\$99**

Instructor: TBA

8410-182 June 24-28, 2-4pm  
Gr. 3-5, Discovery Camp 1





## Shaping the World

Do you like to manipulate shapes? Have you ever noticed that most buildings have squares, rectangles and triangles? Find out why by working with geoboards, pattern blocks and tangrams as you explore form and function.

**\$164**

Enrica Fracchia

8410-302 Aug 5-16, 2-4pm  
Gr. 3-5, Session III

## GRADES 6-8

### Adventures in Statistics DATA

Come take an adventure and investigate how probability and stats are everywhere. Work on measurement, graphing, computation and data analysis as you gain an appreciation and understanding of statistics.

**\$164**

Mahmoud Hasan

8410-152 June 17-28, 2-4pm  
Gr. 6-8, Session I

## Don't Get Punked by Math

Ditch your fear of math and learn to embrace working with numbers. We cover basic concepts found in middle-school math classes and real-world uses of math, including business finance, personal banking, transportation, environment sciences and more. You are assigned tasks and asked to come up with possible solutions to gain confidence and ability.

**\$99**

Instructor: TBA

8410-317 Aug 5-9, 9-11am  
Gr. 6-8, Discovery Camp 3

### Game Show Math

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

**\$164**

Instructor: TBA

8410-306 Aug 5-16, 2-4pm  
Gr. 6-8, Session III

## I'm a Human Calculator

Learn how to solve these problems instantly and become a human calculator. With the fun of this math-based magic, discover quick calculation techniques for addition, subtraction, multiplication and division.

**\$99**

Instructor: TBA

8410-186 June 24-28, 2-4pm  
Gr. 6-8, Discovery Camp 1

### Roll the Dice DATA

Explore the most popular dice, cards and other games of chance. Learn the difference between probability and odds. And use your new skills to teach your friends and family how to play, too!

**\$99**

Mahmoud Hasan

8410-112 June 10-14, 11:30am-1:30pm  
Gr. 6-8, Discovery Camp A

### Stock Market

Want to be a millionaire? Learn how the stock market works, research stocks to determine the best buys, invest play money, track your stocks and make wise decisions on when to sell, and you'll be on your way! Plus, write and receive checks for your purchases and sales, and balance your bank account.

**\$99**

Mahmoud Hasan

8410-164 June 24-28, 9-11am  
Gr. 6-8, Discovery Camp 1



## GRADES 9-12

### Advanced Geometry ARCH DATA

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. The class will move at a more accelerated pace and will solve more challenging problems encountered in Geometry.

\$99

Mahmoud Hasan

8410-216 July 8-12, 2-4pm  
Gr. 9-12, Discovery Camp B

### Algebra Camp ARCH DATA

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.

\$99

Mahmoud Hasan

8410-207 July 8-12, 11:30am-1:30pm  
Gr. 9-12, Discovery Camp B

### Algebra I ARCH DATA

Explore the interpretation of equations of lines and their graphs, systems of linear equations and their solutions, and interesting applications! Also, learn more skills on working with fractional expressions and radicals.

\$99

Instructor: TBA

8410-338 Aug 5-9, 2-4pm  
Gr. 9-12, Discovery Camp 3

### Business and Financial Math

This course will provide an overview of the basic mathematical relationships used in financial math and business math. Students will learn how to do a variety of calculations that will help them learn to manage their own finances, while also gaining experience with basic math calculations done in the business world.

\$99

Mahmoud Hasan

8410-269 July 29-Aug 2, 11:30am-1:30pm  
Gr. 9-12, Discovery Camp 2

### Discrete Mathematics and Combinatorics DATA

The contemporary high school mathematics curriculum focuses on continuous mathematics. But for the modern computerized digital world, you need to understand how to express practical situations into machine language. To achieve the goal, you should be trained in Discrete Mathematics and Combinatorics. [Note: By registering for this class, you provide permission for your child to access the internet.](#)

\$99

Steve Augustine

8410-188 June 24-28, 2-4pm  
Gr. 9-12, Discovery Camp 1

### Introduction to Programming I DATA

Do you want to create your own program? Ever wonder how it is actually done? Learn how to write simple Java programs from scratch. You will impress your guardians and pick up the fundamentals of programming. A basic knowledge of algebra mathematics is required.

\$164

Carlos Whiting

8410-248 July 22-Aug 2, 2-4pm  
Gr. 9-12, Session II

### Python Programming DATA

One of the most powerful computer languages of the current era is also one of the easiest to pick up. Get ahead of the game and learn how to code in Python. Even if you have no background in computer programming, you'll be able to catch on and learn something new! [Note: By registering for this class, you provide permission for your child to access the internet.](#)

\$174

Carlos Whiting

8410-155 June 17-28, 2-4pm  
Gr. 9-12, Session I

### Survey of Calculus DATA

This course introduces you to both the theory and the application of techniques that you would learn in a first-semester calculus course as taught at the university level, or to learn mathematical techniques that would be taught in an AP Calculus course. You will gain an understanding of how calculus techniques relate to graphs of mathematical functions.

\$99

Steve Augustine

8410-278 July 29-Aug 2, 2-4pm  
Gr. 9-12, Discovery Camp 2

### Trigonometry DATA

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

Instructor: TBA

8410-259 July 29-Aug 2, 9-11am  
Gr. 9-12, Discovery Camp 2



## SCIENCE

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. Note: The curriculum increases in complexity for each grade level.

### MULTIPLE GRADE LEVELS

#### Astronomy

Come join us on an exciting trip into space! After a journey past the planets, we'll fly deep into space to explore galaxies, black holes, exploding stars and more!

**\$164**  
Instructor: TBA

**8410-286** Aug 5-16, 9-11am  
Gr. 6-8, Session III

**8410-299** Aug 5-16, 11:30am-1:30pm  
Gr. 9-12, Session III

#### Biology: Mysteries of Life

Explore the biological world in the laboratory and the wild outdoors! Study some of the smallest organisms using microscopes and discover how animals live, breathe and function! Experiments in botany, zoology (some with dissection), and microbiology included. (Course curriculum progresses in complexity from lower to upper grades.)

**\$164**  
John Shank

**8410-225** July 22-Aug 2, 9-11am  
Gr. 6-8, Session II

**\$99**  
Instructor: TBA

**8410-327** Aug 5-9, 11:30am-1:30pm  
Gr. 9-12, Discovery Camp 3

#### Crime Solvers

"Who dun it?" Forensic scientists use a variety of techniques to uncover the mystery behind a crime. Help crack the case as you enter the intriguing world of crime-solving.

**\$99**  
Mahmoud Hasan

**8410-195** July 8-12, 9-11am  
Gr. 6-12, Discovery Camp B

**\$164**  
Instructor: TBA

**8410-243** July 22-Aug 2, 2-4pm  
Gr. 3-5, Session II

#### NEW! Ecology

In this class, students will learn about various environments, how they are structured, and how society interacts with them. We will cover environmental stability, disturbances, human impacts, sustainability and various societal environmental issues through models, games, concept maps, data analysis and whistorical examples.

**\$164**  
Michael Lawton

**8410-246** July 22-Aug 2, 2-4pm  
Gr. 6-12, Session II

#### Genetics

In this class, students will learn the role of DNA and how this unique molecule commands so much of how life works, from microscopic molecules to entire ecosystems. We will cover how the structure of the DNA molecule is transcribed and translated into proteins, and how these proteins affect the traits of organisms through labs, lessons, visualizations and data.

**\$164**  
Michael Lawton

**8410-236** July 22-Aug 2, 11:30am-1:30pm  
Gr. 6-12, Session II

#### Hurricanes! Thunderstorms! Tornadoes!

This course will make use of online learning tools and weather forecasting websites like those of the National Weather Service and National Hurricane Center along with traditional presentation methods and real-time weather analyses. Students will learn the basics of how their planet's atmosphere is constructed and how it makes our weather work! A great way to learn about some of the things we teach in our Atmospheric Science Program at UW-Milwaukee!

**\$164**  
Steve Augustine

**8410-307** Aug 5-16, 2-4pm  
Gr. 6-12, Session III

#### 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!

**\$174**  
Julia Sajdowitz

**8410-124** June 17-28, 9-11am  
Gr. 3-5, Session I

**8410-141** June 17-28, 11:30am-1:30pm  
Gr. 6-8, Session I

**8410-221** July 22-Aug 2, 9-11am  
Gr. 3-5, Session II

**8410-234** July 22-Aug 2, 11:30am-1:30pm  
Gr. 6-8, Session II

**8410-282** Aug 5-16, 9-11am  
Gr. 3-5, Session III

**8410-297** Aug 5-16, 11:30am-1:30pm  
Gr. 6-8, Session III

#### 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 makes science fun, join us!

**\$164**  
Rickeia Thomas

**8410-229** July 22-Aug 2, 11:30am-1:30pm  
Gr. K5-2, Session II

Instructor: TBA

**8410-304** Aug 5-16, 2-4pm  
Gr. 3-5, Session III

#### The Science of Sport

Sports such as football, soccer, baseball, and golf take a great deal of athleticism, balance, focus and talent. Another important element in sport is science. In many ways sports are reliant on science. A pitcher can throw a curveball based off of the angle or release and how he/she grips the ball. In soccer a kick can be bent on a curve to make it by the goalie. How a kicker kicks the ball directly affects if it gets through the uprights. Golf is all about force, angle, and sight. In this class, we will learn about the physics and science of sports.

**\$99**  
Instructor: TBA

**8410-215** July 8-12, 2-4pm  
Gr. 6-12, Discovery Camp B

## GRADES K5-2

### 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!

\$99

Austin Downing

8410-160 June 24-28, 9-11am  
Gr. K5-2, Discovery Camp 1

### Animal Habitats

Discuss and observe where and why animals live where they live. Construct a habitat for an animal such as a soda bottle aquarium or a terrarium.

\$164

Shari Solheim

8410-147 June 17-28, 2-4pm  
Gr. K5-2, Session I

### Cool Carnivores

"Claw" and "Peck" your way through this class as you discover various types of predator/prey relationships. Sharpen your fangs to discover how it feels to be at the top of the food chain, but don't get eaten as you fall to the bottom as prey.

\$164

Instructor: TBA

8410-146 June 17-28, 2-4pm  
Gr. K5-2, Session I

### Nature's Storytime

Discover wild places in the city to help write your own nature book. Study a different nature theme each day and use outdoor nature experiences to develop story projects. Work with classmates to create a story by drawing, writing and storytelling about animals found on our walking field trips to Riverside Park, Lake Park and Downer Woods.

\$164

Rickeia Thomas

8410-121 June 17-28, 9-11am  
Gr. K5-2, Session I

## Solar System Exploration

Imagine yourself as an astronaut as we travel to the planets, explore comets and asteroids, and learn what it takes to get to outer space. Focus on solar science, the rocky worlds of the inner solar system and the gas giants of the outer solar system.

\$99

Rebecca Lind

8410-189 July 8-12, 9-11am  
Gr. K5-2, Discovery Camp B

### Stem Challenge

Put your engineering mind to the test as we work to complete daily challenges to expand our knowledge in the areas of Science, Technology and Math. Can you build a house to protect the Three Little Pigs? How many cups can you stack in the Seuss hat challenge? Come join in, and find out how things work through fun, hands-on projects.

\$99

Jordan Lind

8410-171 June 24-28, 11:30am-1:30pm  
Gr. K5-2, Discovery Camp 1

### We're Going on a Bug Hunt

Grab your spyglasses and come along on this exciting exploration into the fascinating world of insects, spiders and other creepy crawlly creatures! Learn all about what makes bugs tick. Get up close and personal with a variety of creatures, both in the lab and out in the field. All field trips are walking tours on the UWM campus. *Note: Students will take walks on campus during the two weeks.*

\$99

Jordan Lind

8410-252 July 29-Aug 2, 9-11am  
Gr. K5-2, Discovery Camp 2

## 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

Rebecca Lind

8410-320 Aug 5-9, 11:30am-1:30pm  
Gr. K5-2, Discovery Camp 3

## GRADES 3-5

### NEW! Build the Change with TEK & LEGO®

Our planet is asking for a conversation about our climate extremes and a warming world. How will we respond? This class will focus on teaching students the foundations of Traditional Ecological Knowledge (TEK) of Native American people in Milwaukee. Students will also be talking through ideas like building sustainability, countering climate change, our human impacts on the world and ecological justice. Essential to our program is using LEGOS® to bring to life the students' ideas about ecological change.

\$99

Mark Denning

8410-314 Aug 5-9, 9-11am  
Gr. 3-5, Discovery Camp 3





## Full STEAM Ahead

Learn about our world with fun hands-on learning experiences in Science, Technology, Engineering, Arts and Math! Engage in daily hands-on activities in STEAM and join us as we travel Full STEAM Ahead into education!

**\$99**

**Instructor:** TBA

**8410-116** June 10-14, 2-4pm  
Gr. 3-5, Discovery Camp A

## Glow 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

**8410-184** June 24-28, 2-4pm  
Gr. 3-5, Discovery Camp 1

## Kid's 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.

**\$99**

**Instructor:** TBA

**8410-212** July 8-12, 2-4pm  
Gr. 3-5, Discovery Camp B

## MythBusters & More

Test some of today's most popular scientific myths and explore the science behind the reactions and explosions. Help us decide whether it is "truth" or "fiction."

**\$164**

**Maegan Rivera-Kananen**

**8410-126** June 17-28, 9-11am  
Gr. 3-5, Session I

## Oceanography

Explore the oceans and think like a scientist to discover the little-known world of deep-sea creatures. Investigate how humans affect marine life and experiment with creating waves of varying sizes to learn about wave height and wavelength.

**\$99**

**John Shank**

**8410-263** July 29-Aug 2, 11:30am-1:30pm  
Gr. 3-5, Discovery Camp 2

## Saving Bob!

HELP!!! Bob has gotten himself into another crazy situation! In this class, students will use engineering, creativity, teamwork and imagination to rescue our hero Bob from one sticky situation after another. From evading coyotes by crossing the Grand Canyon to escaping a burning inferno of a building, students will use engineering and everyday materials to help Bob to safety.

**\$164**

**Instructor:** TBA

**8410-137** June 17-28, 11:30am-1:30pm  
Gr. 3-5, Session I

## Space – Planets and Stars

What do I see? I see a star, no a planet. Come find out what is in space and the difference between planets and stars. Create your own space with your creative mind. We will look at the stars for all seasons and where planets are during those seasons.

**\$99**

**Instructor:** TBA

**8410-330** Aug 5-9, 2-4pm  
Gr. 3-5, Discovery Camp 3

## GRADES 6-8

### 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.

**\$164**

**Instructor:** TBA

**8410-153** June 17-28, 2-4pm  
Gr. 6-8, Session I

### Design Squad Engineering

In this class, we use project-based curriculum as the design to present challenges that you solve using a creative approach to engineering solutions. Experience engineering through hands-on creative investigation and building activities using everyday materials found at your local convenience store. Envision, design and test your hypothesis. The knowledge gained and the skills built create a strong foundation and curiosity toward further Science, Technology, Engineering and Mathematics (STEM) learning in high school and beyond.

**\$99**

**Instructor:** TBA

**8410-118** June 10-14, 2-4pm  
Gr. 6-8, Discovery Camp A

## 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**

**Mahmoud Hasan**

**8410-176** June 24-28, 11:30am-1:30pm  
Gr. 6-8, Discovery Camp 1

## 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!

**\$99**

**Mahmoud Hasan**

**8410-276** July 29-Aug 2, 2-4pm  
Gr. 6-8, Discovery Camp 2

## GRADES 9-12

### Earth Science

Earth science is not so simple. It involves geology, astronomy, meteorology, oceanography and a lot more. Learn how these sciences are all linked in this down-to-earth class.

**\$99**

**Instructor:** TBA

**8410-187** June 24-28, 2-4pm  
Gr. 9-12, Discovery Camp 1

### NEW! Introduction to Health Professions

This course will introduce you to a variety of careers in the Health Professions. In-class hands-on activities will help you explore different careers. You will have the opportunity to learn more about careers suited to your interests. You will also become familiar with the education and training necessary for each career.

**\$99**

**Bhagwant Singh Sindhu & Rob Wilson**

**8410-168** June 24-28, 9-11am  
Gr. 9-12, Discovery Camp 1.



# SUMMER READING SKILLS PROGRAMS



School of  
Continuing Education

Phonics • Fluency • Comprehension  
Love of Reading • Vocabulary • Textbook Skills  
Study Skills • Reading Speed

## Program for 4-Year-Olds and Entering Kindergartners

In this fun summer program, your child will learn to read. Children learn letter recognition, beginning phonics, and easy sight words. Your child will learn to read simple words and short sentences and get excited about books and reading.

## Program for Entering 1st Graders

In this fun summer program, your child will learn to read independently. Children learn phonics and sight words and build comprehension skills. Your child will develop a love of books and reading 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 confident, fluent reader. Children build solid phonics and word-attack skills, develop reading fluency, and improve comprehension. Your child will develop a love of reading and get off to a great start in second grade.

## Program for Entering 3rd Graders

In this fun summer program, your child will become a strong, confident reader. Children improve fluency and comprehension, build long-word decoding skills, and expand vocabulary. Your child will develop a lifelong love of reading and get off to a great start in third grade.

## Programs for Entering 4th and 5th Graders

In these fun single-grade programs, your child will become a skilled, confident reader with strong comprehension in fiction, nonfiction, and textbooks. Students expand their vocabulary and learn to read more fluently and rapidly. As a result, your child will complete homework more quickly and easily, get better grades, and enjoy reading more.

## Programs for Entering 6th, 7th, and 8th Graders

In these single-grade programs, your son or daughter will make substantial gains in comprehension and reading speed in fiction, nonfiction, and textbooks. Students expand vocabulary and learn the best way to take notes. As a result, your child will complete homework more quickly and easily, get better grades, and build confidence as a reader.

## Programs for Entering 9th and 10th Graders

In these single-grade programs, students learn the skills they need to succeed in high school. Your child will double reading speed and improve comprehension and focus in fiction, textbooks, and nonfiction. Students expand their academic vocabulary and learn study strategies to complete work efficiently, get better grades, and score higher on exams.

## Programs for Entering 11th, 12th, and College Freshman

Students learn college-prep skills that help them complete work efficiently and earn better grades and test scores. They double reading speed and improve comprehension, focus, and recall.

## Highly Skilled Teachers Make Learning Fun!

These programs are offered by the University of Wisconsin-Milwaukee School of Continuing Education. Programs are taught by instructors from the Institute of Reading Development. Tuition varies by program level. Please ask about our family discount.

FOR MORE INFORMATION OR TO REGISTER

# Call 1-800-964-8888

Monday through Friday 7am–8pm,  
Saturday 7am–6pm, and Sunday 9am–5pm

# COLLEGE FOR KIDS & TEENS

## Now offering certificate programs for kids!



The UWM College for Kids & Teens  
**Data Science Certificate Track** –  
In Partnership With Northwestern  
Mutual Data Science Institute



The UWM College for Kids & Teens  
**Art & Design Certificate Track**  
in Partnership with the Peck School  
of the Arts



The UWM College for Kids & Teens  
**Architecture and Urban Planning  
Certificate Track** in Partnership  
with the School of Architecture  
and Urban Planning

## Register soon; spots fill-up fast

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## NORTHWESTERN MUTUAL DATA SCIENCE INSTITUTE

