



SCIENCE TECHNOLOGY ENGINEERING ARTS MATH

STEAM

2021 SUMMER CAMPS FOR INCOMING GRADES 1-9



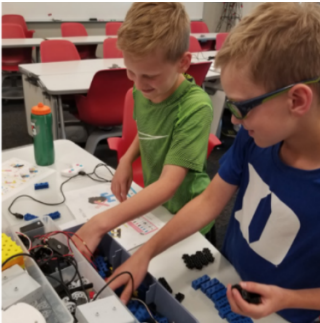
FEATURING

3D Printing ⚙️ **Coding** ⚙️ **Escape Room** ⚙️ **Circuit Lab**

Environmental Science ⚙️ **Kitchen Chemistry** ⚙️ **Robotics**

Ping Pong Parachutes ⚙️ **Sewing** ⚙️ **Sculpture & Art Studio**

Rocket Launches ⚙️ **Engineering & Design** ⚙️ **Filmmaking**



WHERE

IN-PERSON Camps at
Mundelein High
School and **VIRTUAL**
(Zoom) Camps

WHEN

NEW camps available
each week between June 7
and July 22

IN-PERSON Camps
available Monday through
Thursday, 8:30-11:30

VIRTUAL Camps available
Monday through Friday

IN PARTNERSHIP WITH



Mundelein
District 75



District 75 STEAM Foundation

District 75
S.T.E.A.M.
Foundation
501(c)3



Diamond Lake
District 76



Fremont District 79

Bus service within
District 120

Need-based
scholarships
available!

Register online at <https://mundelein.revtrak.net/rw-summer-programs/#!/list> (Select "STEAM Camps")

Questions? Contact Tony Cho, MHS STEAM Camp Coordinator, at acho@d120.org, or call 847-949-2712



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Welcome to STEAM Camp 2021 at MHS!

STEAM Camp is back for its seventh year at Mundelein High School! Join students from all over Mundelein and surrounding communities to experience new and exciting summer camps that explore topics in Science, Technology, Engineering, Art and Math (STEAM). This summer, campers can enjoy STEAM camps both *IN-PERSON* at MHS or *VIRTUALLY* from home.

Camp overview

Various camps will be available for students entering into grades 1-9, and new camps will be available each week starting June 7. All *IN-PERSON* camps at MHS will run from 8:30-11:30 am, Monday through Thursdays. Room locations will be communicated to families a week prior to the start of a camp session. *VIRTUAL* camps will run at various times throughout the week; please look at the camp descriptions starting on [page 3](#) for specific days and times.

Camp sessions

To find specific dates for our [IN-PERSON Camps](#) or [VIRTUAL Camps](#) for June and July, check out our camp course descriptions on pages 3-9, or click on the links above.

Registration

Registration remains open until all spots are filled. All registration must be completed online at <https://mundelein.revtrak.net/rw-summer-programs/#/list>

Camp fees

Camps fees vary per camp between \$40-160. Please refer to the camp descriptions on pages 3-9.

Fees include a camp t-shirt (limit one per camper) and all class materials.

Register for two or more of any IN-PERSON or VIRTUAL camps and receive a \$10 discount for each additional camp.

Scholarships

Students who live in Mundelein High School District 120 boundaries and who demonstrate financial need may be eligible for a scholarship to cover any IN-PERSON or VIRTUAL camp tuition fees.

Scholarships provided by the District 75 STEAM Foundation are limited so apply as soon as possible. Contact Tony Cho at acho@d120.org for more information.

Cancellations/Refunds

If the minimum number of student enrollments is not met, camps may be cancelled. Please encourage friends to register and join! Any low attendance camp cancellations will be made two weeks before the scheduled camp start date. Registrants will be contacted and a full refund will be issued.

Families may cancel their registration in writing up to four days prior to the first day of the registered camp session. Students who withdraw from the entirety of any registered STEAM Camp session due to medical emergencies or other extenuating circumstances will be provided a refund of registration fees paid. No refunds or prorating of sessions will be issued for days missed throughout a session. Refunds will not be issued to campers dismissed for disciplinary reasons.

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IN-PERSON Camps Overview



STUDENT SAFETY PROTOCOL

To ensure the safety of all of our campers and instructors at our IN-PERSON camps, all campers will follow the MHS safety protocols in place, including completing a mandatory COVID-19 health screener before arrival, a contactless temperature check upon entry, wearing a face covering at all times, frequent hand sanitizing and maintaining a distance of six feet between others. Classrooms used for camp at MHS will be thoroughly cleaned each night before camp and throughout the day as well. Every camper will receive individualized materials for any activity that requires it.

BUS TRANSPORTATION

Bus transportation is available to all Mundelein student-residents attending our IN-PERSON camps. Register for an IN-PERSON camp no later than April 23 to reserve your student's transportation.

ENROLLMENT

Spots for our IN-PERSON camps will be limited this summer. Please register as soon as possible to reserve your spot!



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☀️ **IN-PERSON** Camp Options ☀️

Grade levels listed are for incoming students for the 2021-2022 school year.

STEAM Explorations Camp at MHS

Rookie Camp (Incoming 1st-2nd)

Middler Camp (Incoming 3rd-5th)

Varsity Camp (Incoming 6th-9th)

STEAM Camp offers registered campers the opportunity to explore *all* parts of science, technology, engineering, art and math through many exciting experiments, projects and design challenges. From Monday through Thursday, campers will meet at Mundelein High School, along with other students and instructors, to try a new hands-on STEAM activity each day that will spark their creativity and grow their knowledge in STEAM! Make new friends at STEAM Camp and sign up for a session or more today!

Session 1	June 7-10	M-Th	8:30-11:30 a.m.	Fee: \$100
Session 2	June 14-17	M-Th	8:30-11:30 a.m.	Fee: \$100
Session 3	June 21-24	M-Th	8:30-11:30 a.m.	Fee: \$100
Session 4	June 28-July 1	M-Th	8:30-11:30 a.m.	Fee: \$100

Sign up for multiple sessions (\$10 discount for each additional session) as no two weekly sessions are the same! Activities will vary each week of STEAM Camp so campers experience new learning opportunities per session.

You will be notified of the weekly session's STEAM activities one week prior to the start of each session.



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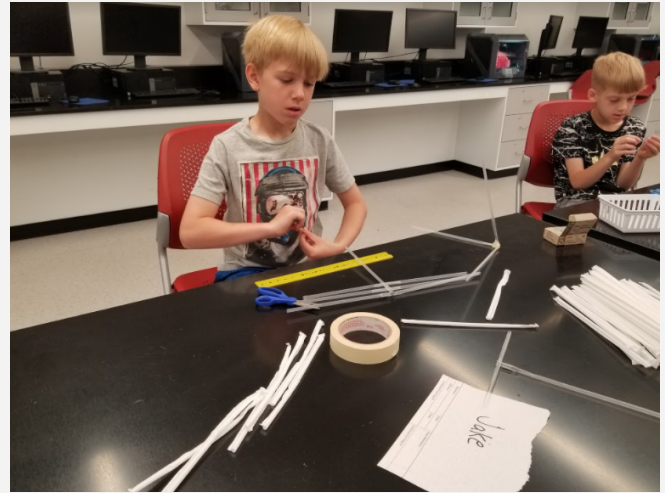
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More **IN-PERSON** Camp Options

Rockets, Roller Coasters and Cool Kites Camp at MHS

For incoming 4th-8th grade students



Have you ever wanted to learn how to: build and launch your own rocket with a parachute, design and build your very own roller coaster or fly your own homemade kite into the clouds? If so, this camp, with guaranteed nonstop fun and outdoor adventure, is the camp for you! Campers will work with Mr. Gange to explore the concepts of aviation, rocketry and physics. In addition, campers will learn about the history and science behind these fantastic machines. Campers will not only get to create and design these created machines, but will also get to take them home after the camp session is over!

Session 1	June 14-17	M-Th	8:30-11:30 a.m.	Fee: \$100
Session 2	June 21-24	M-Th	8:30-11:30 a.m.	Fee: \$100

Session 1 and Session 2 are identical. Campers can choose the session that best fits their schedule, or sign up for both if they would like to make more contraptions!

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July **IN-PERSON** Camp Options

Filmmaking Camp at MHS

For incoming 6th-9th grade students

Pick up a camera and let your imagination fly. In this camp, students will explore the filmmaking process and create a movie together at MHS. Campers will learn how to develop characters and a story idea with their very own production team, turn concepts into a script and a shot-by-shot storyboard, film using creative camera angles, edit with music and sound effects and finalize a film. A final film will be shared with all friends and family to enjoy. Come and express yourself through the filmmaking process and create an exciting and unique movie all your own.

Session Dates: July 6-15 (2 weeks) M-Th (No class on Mon, 7/5) 8:30-11:30 a.m. Fee: \$120



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Automation and Robotics Camp at MHS

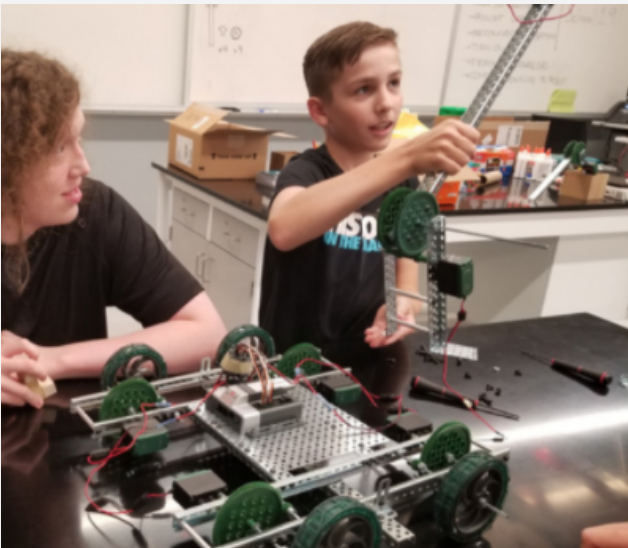
For incoming 6th-9th grade students



Incoming students in grades 6-9 will use the VEX Robotics platform to design, build and program a functional robot to compete in a series of challenges such as picking up an object with a robotic arm and placing it into a container.

The PLTW Gateway program is a nationally-recognized STEM program that inspires middle-school students for future study in high school engineering and technology. Through these hands-on courses, students will learn the valuable skills of collaboration, critical thinking and innovation as well as explore potential STEM careers.

Session Dates: July 12-22 (2 weeks) M-Th (No class on Fri) 8:30-11:30 a.m. Fee: \$160



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VIRTUAL Camp Options

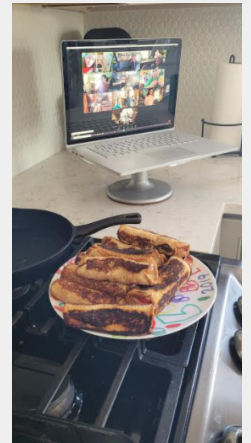


Once again, STEAM Camp will also offer virtual options for our campers this summer! Campers can join teachers and other campers on Zoom to experience fun, hands-on STEAM activities while at their homes. Check out Mundelein High School's new, low-cost virtual STEAM camp options below. *Zoom links will be sent to families after registration.*

Kids-A-Cooking Virtual Camp

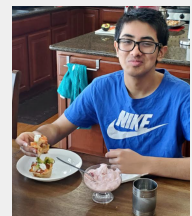
For incoming 1st-9th grade students

Attention students and family members! Are you interested in starting a fun new family Friday tradition this summer? Then try Kids-A-Cooking Virtual Camp starting this June. Campers and all family members will get to meet each week with cook extraordinaires Mrs. Hanson and Ms. Goldman over *Zoom* and work in the safety and comfort of their own kitchen at home. Two delicious kid-friendly recipes will be shared each week. Campers will have the opportunity to make breakfast foods, snacks, lunch foods and desserts, all while practicing measuring, mixing ingredients and learning related vocabulary for cooking. Each camper will get weekly recipes to follow and save for future cooking. Campers will need to provide their own ingredients and utensils for each class, but all recipes will be shared in advance. We hope to see you this summer!



Session 1: 6/11, 6/18, 6/25, 7/02 Fri 9:00-11:00 a.m. Fee: \$40

Session 2: 7/9, 7/16 Fri 9:00-11:00 a.m. Fee: \$20



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More **VIRTUAL** Camp Options

Robothink Virtual Camp

For incoming 2nd-9th grade students

Using local company RoboThink's coding education software, students work with a live teacher in a group to learn how to code amazing games and programs. Our lessons are theme-based and are sure to engage and excite your students into the world of coding.

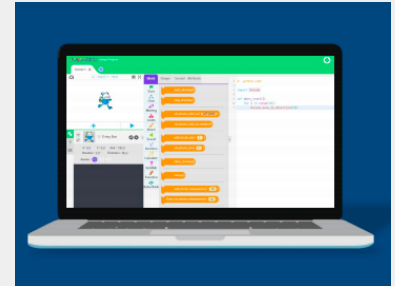


Intro to Coding/Python

Give your coding skills a boost in this fun class with both Scratch Coding and Python! Students develop exciting skills in each programming language through step by step instructions. No prior experience is required.

Learning Objectives:

- Coding concepts
- Python syntax
- Logical deduction/problem solving skills
- Creative thinking



Session Dates: 6/01, 6/03, 6/08, 6/10, 6/15, 6/17 T, Th 4:00-5:00 p.m. Fee: \$105



Intro to Game Design

Design and play your own games in this interactive class. Easy, step-by-step instructions ensure that each budding game designer ends up with a fun new game in each class!

Learning Objectives:

- creative thinking
- logical deductions/problem-solving skills
- hand/eye coordination.

Session Dates: 6/07, 6/09, 6/14, 6/16, 6/21, 6/23 M, W 4:00-5:00 p.m. Fee: \$105

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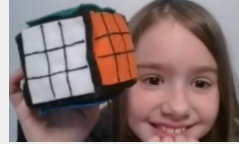
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Sew Fun Virtual Camp

For incoming 3rd-9th grade students



Sew Fun 101 (Beginner)

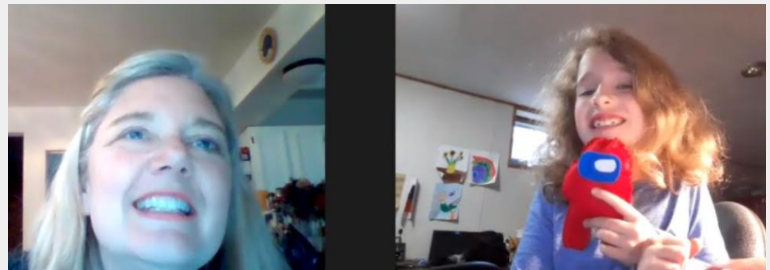
In this beginner's camp, campers will receive individualized sewing take-home kits and will create a project at home each week. Students will sew felt wristbands, animal and character plushies (small stuffed toys) such as *Baby Yoda*, *Among Us* and *Emojis*, as well as fleece pillows that fit in a backpack perfect for traveling. Students will learn life skills while practicing hand-eye coordination and patience. By the end of the camp, students will be able to sew a button on, thread a needle and do basic mending stitches. If time allows, we will work with an LED light and conductive thread sewing project. Campers will need to have their own pair of scissors and scotch tape/painter's tape for camp.

Session Dates: 6/11, 6/18, 6/25, 7/02 Fri 9:30-11:00 a.m. Fee: \$40

SEW FUN ² (Intermediate)*

**This camp is for students who have taken the 2021 D75 Saturday STEAMers course with Mrs. Karlene or have most or all of the following prerequisite skills:*

- Thread a needle
- Knot the thread
- Know the basic hand sewing stitches
 - Running stitch
 - Overstitch
 - Hemming stitch
 - Backstitch
 - Introduction to sewing embroidered eyes and mouth
- Sew a button
- Sew on a snap



In this intermediate camp, campers will receive individualized sewing take-home kits and will create a project each week. Students will sew embroidery designs on a t-shirt, learn sewing hacks for fixing a hole in jeans or on clothing, choose between sewing a cloth doll and clothes or an action hero and cape as well as other fun sewing projects. They will also be introduced to how a sewing machine works. Students will learn life skills and have fun at the same time! Campers will need to have their own pair of scissors, scotch tape/painter's tape and one lightly colored plain t-shirt in student's size to add embroidery to in camp.

Session Dates: 6/11, 6/18, 6/25, 7/02 Fri 11:15-12:45 p.m. Fee: \$40

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