

SUMMER CAMPS 2020



Registration Information

January 27: Innovators Club* registration begins.

January 30: Member registration begins.

February 6: Public registration begins.

Two Ways to Register:

- 1 Register online at theworks.org.
- 2 Download a printable registration form at theworks.org; bring in person or mail to The Works Museum.

Scholarships:

A limited number of 50% and 25% scholarships are available, based on need. To apply, download an application at theworks.org.

**HINT: If you're registering for 2 or more camps, an Innovators Club membership could save you money. See details at theworks.org/support-us/innovators-club/*

Combined Camps

- Combine morning and afternoon camps for a full day. Lunch supervision is provided free of charge.
- Add a Friday One Day Camp (see page 15) to create a 5-day camp experience.

Drop-off, Pick-up, and Aftercare

- **Drop-off:** 8:30-9:00 a.m. or 12:30-1:00 p.m. **Pick-up:** 12:00-12:15 p.m. or 4:00-4:15 p.m.
- Campers attending a morning camp ONLY can register for lunch supervision from 12:00-1:15 p.m. Pre-registration price: \$8/day. Same day registration price: \$10/day.
- Aftercare is available for one-day and afternoon camps from 4:15-5:00 p.m. Pre-registration price: \$8/day. Same day registration price: \$10/day.
- Aftercare and lunch supervision are available as a four-day package for \$32, online pre-registration only.

Refunds/Cancellation

If you cancel:

- 30 or more days before the camp start date, 50% of the camp fee will be refunded (minus a 10% processing fee) OR receive a voucher for the amount of the camp fee (minus a 10% processing fee) to be used for future camps.
- 14-29 days before the camp start date, receive a voucher for the amount of the camp fee (minus a 10% processing fee) to be used for future camps.
- No refunds or vouchers will be issued within 13 days of camp start date.

If The Works Museum must cancel a program, we will refund the full fee.

More Details

- You will receive email confirmation of your registration.
- Camper to staff ratio is 10:1 or lower. Meet our teachers and staff at theworks.org.
- Camps fill quickly. If the camp you want is full, sign up on the waitlist and watch our Facebook page and emails for added sessions.
- If you have questions about registration, call 952.888.4262, ext. 212.

2 Visit theworks.org for updates on additional offerings and availability.

For children entering Kindergarten or High Five programs in Fall 2020.

Make It with Cool Tools

\$165, \$148.50 members

Work with real saws, hammers, and drills as well as a variety of cool tools that squish, cut, and connect things.

M-Th, July 6-9, 9 a.m.-12 p.m.

M-Th, August 10-13, 9 a.m.-12 p.m.

Make It Squishy

\$165, \$148.50 members

Create and test messy mixtures such as cloud dough. Make a balloon yo-yo and other squishy projects.

M-Th, June 8-11, 9 a.m.-12 p.m.

M-Th, July 27-30, 9 a.m.-12 p.m.



Make It Superpowered

\$165, \$148.50 members

Machines give us superpowers! Lift mighty objects with a crane, use levers to leap tall buildings, move at super speeds with wheels and axles, and even make a force field.

M-Th, June 22-25, 9 a.m.-12 p.m.



Visit theworks.org for updates on additional offerings and camp availability.

"I like that my child participated with other children excited about the same things that he is."

— Camp Parent

3 Visit theworks.org for updates on additional offerings and availability.

6-year-old campers must have completed Kindergarten.

New! Astroneers

\$165, \$148.50 members

Build and test simple rockets to learn the basics of flight and propulsion. Discover what it takes to live in space. Participate in a simulated space mission and construct survival items you would need.

M-Th, June 22-25, 9 a.m.-12 p.m.

M-Th, July 20-23, 1-4 p.m.



STEAM Camps with Stages Theatre Company

Celebrate Science, Technology, Engineering, Art, and Math this summer with Stages Theatre Company and The Works Museum. Spend half of each day with Museum educators exploring science and engineering, and the other half of the day immersed in theater activities with Stages teaching artists. Ages 6-11.

New! STEAM DREAMS

\$330, \$297 members

Using your actor toolbox and your engineering skills, we will explore stories and conduct experiments using the tales of some of your favorite STEAM-centered characters as a jumping-off point. We have a lot to learn from some of our fictional favorites: *Rosie Revere, Engineer*; Maggie from *The Most Magnificent Thing*; Vashti and Ramon from *The Dot* and *Ish!* Join us as we learn, create, and play this summer!
M-Th, July 20-23, 9 a.m.- 4 p.m.

THE MAGIC AND MYSTERY SHOW

Back By Popular Demand!

\$330, \$297 members

Explore the science and engineering behind classic magic tricks and illusions. Practice the fine art of distraction. Create, solve, and perform a dramatic mystery full of zany characters.

M-Th, August 17-20, 9 a.m.- 4 p.m.

Artistry In Motion

\$165, \$148.50 members

Construct tools, machines, and materials for creating art. Build an electric doodle pen, a spin-art machine, and paint your formulate on your own.

M-Th, June 8-11, 9 a.m.-12 p.m.

M-Th, July 6-9, 9 a.m.-12 p.m.

M-Th, August 3-6, 1-4 p.m.

Build It Bigger? Build It Better!

\$165, \$148.50 members

Design and build geodesic domes, skyscrapers, and other buildings with all kinds of materials. Construct a bridge to take home.

M-Th, July 6-9, 9 a.m.-12 p.m.

M-Th, August 17-20, 9 a.m.-12 p.m.

Create With Carpentry:

Tabletop Pinball

\$165, \$148.50 members

Use carpentry skills to build a tabletop pinball machine. Design a theme, then add a launcher and traps.

M-Th, July 27-30, 9 a.m.-12 p.m.

Create With Carpentry:

Minecraft Characters

\$165, \$148.50 members

Use carpentry skills to build your own Minecraft character to take home. Choose a creeper, a cat, or a skin of your own design.

M-Th, June 22-25, 1-4 p.m.

M-Th, July 13-16, 1-4 p.m.

M-Th, Aug. 31-Sept. 3, 9 a.m.-12 p.m.

Design A House

\$165, \$148.50 members

Make your own model house. Furnish the house with furniture and accessories that you construct, then wire in lighting.

M-Th, June 29-July 2, 9 a.m.-12 p.m.

M-Th, August 24-27, 1-4 p.m.

Engineer For Your Pets

\$165, \$148.50 members

Make a working model of a cat's paw. Engineer a mechanical pet toy and scratching post. Design a way to rescue a pet from a tree.

M-Th, June 22-25, 9 a.m.-12 p.m.

M-Th, August 10-13, 1-4 p.m.

Junior Robotics

\$165, \$148.50 members

Explore robotics concepts through games, wiring, and building. Make a maze for BeeBots and program them to navigate it. Bring home your own wiggelbot that you design and wire.

M-Th, June 15-18, 1-4 p.m.

M-Th, June 29-July 2, 1-4 p.m.

M-Th, July 13-16, 9 a.m.-12 p.m.

M-Th, July 27-30, 9 a.m.-12 p.m.

M-Th, August 3-6, 1-4 p.m.

M-Th, August 17-20, 1-4 p.m.

"He was exposed to new things and was proud of the projects he completed and brought home."

– Camp Parent



LEGO Architecture: Houses

\$165, \$148.50 members

Create a model house or building of your choice. Solve design challenges for room sizes and strong construction. Add elements such as staircases and balconies.

M-Th, June 8-11, 9 a.m.-12 p.m.

LEGO Engineering

\$165, \$148.50 members

Build elevators, wind-up cars, and catapults with specialty LEGO pieces. Explore with gears, pulleys, and other moving parts.

M-Th, June 15-18, 1-4 p.m.

M-Th, June 29-July 2, 9 a.m.-12 p.m.

M-Th, July 13-16, 1-4 p.m.

M-Th, July 27-30, 1-4 p.m.

M-Th, August 10-13, 9 a.m.-12 p.m.

LEGO Engineering For Girls

\$165, \$148.50 members

The same great LEGO Engineering Camp, in a section for girls. Build elevators, wind-up cars, and catapults with specialty LEGO pieces. Explore with gears, pulleys, and other moving parts.

M-Th, August 3-6, 9 a.m.-12 p.m.

Robocoding

\$190, \$171 members

Work in pairs to build little robots using special LEGO WeDo 2.0 pieces. Program your creations using iPads and programming software.

M-Th, June 15-18, 9 a.m.-12 p.m.

M-Th, July 6-9, 1-4 p.m.

M-Th, July 20-23, 9 a.m.-12 p.m.

M-Th, August 10-13, 1-4 p.m.

M-Th, August 24-27, 9 a.m.-12 p.m.

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M-Th, July 27-30, 1-4 p.m.

Rosie Revere, Engineer®

\$165, \$148.50 members

This camp for girls is inspired by Andrea Beaty's bestselling book, *Rosie Revere, Engineer*. Learn about female inventors and engineers. Create marvelous machines, wire LED creations, and solve engineering design challenges.

M-Th, July 13-16, 9 a.m.-12 p.m.

New! Sound Effects

Engineering

\$165, \$148.50 members

Construct unusual noise makers and explore the science of sound. Find out what a Foley artist does, and use Garage Band to mix and distort sound.

M-Th, June 8-11, 1-4 p.m.

M-Th, August 3-6, 9 a.m.-12 p.m.

Super-Size It, Shrink It

\$165, \$148.50 members

Pretend you are in the land of giants and make them a huge donut or flip-flops. Imagine you're tiny and make miniature food and toys to use with dolls or action figures.

M-Th, June 15-18, 9 a.m.-12 p.m.

Tool Testers

\$165, \$148.50 members

Practice using real tools that squish, connect, and cut materials. Make fun projects that show off your new skills.

M-Th, June 8-11, 1-4 p.m.

M-Th, June 29-July 2, 1-4 p.m.

Toy Design Lab

\$165, \$148.50 members

Try out a variety of mechanical toys, then make your own. Build and play with tops. Mix up and test different kinds of slime and make a bouncy ball.

M-Th, June 22-25, 1-4 p.m.

M-Th, July 6-9, 1-4 p.m.

M-Th, August 10-13, 9 a.m.-12 p.m.



PAGE	CAMP NAME	June 8-11	June 15-18	June 22-25	June 29- July 2	July 6-9	July 13-16	July 20-23	July 27-30	Aug 3-6	Aug 10-13	Aug 17-20	Aug 24-27	Aug 31 - Sept 3
		AM	AM	AM	AM	AM	AM	AM	AM	AM	AM	AM	AM	AM
3	Make It with Cool Tools					AM			AM		AM			
3	Make It Squishy	AM							AM					
3	Make It Super Powered		AM											
4	Astroneers			AM			PM							
4	STEAM Dreams						*							
4	The Magic and Mystery Show											*		
5	Artistry In Motion	AM			AM				PM					
5	Build It Bigger? Build It Better!				AM						AM			
5	Create with Carpentry: Tabletop Pinball							AM						
5	Create with Carpentry: Minecraft Characters			PM		PM								AM
5	Design a House			AM	AM								PM	
5	Engineer For Your Pets			AM							PM			
5	Junior Robotics		PM		PM		AM		AM	PM				
6	LEGO Architecture: Houses	AM			AM									
6	LEGO Engineering		PM		AM		PM		PM	AM				
6	LEGO Engineering For Girls		AM			PM		AM		AM				AM
6	Robocoding													
6	Robocoding For Girls								PM					
6	Rosie Revere, Engineer®						AM							
7	Sound Effect Engineering	PM												
7	Super-Size It, Shrink It		AM											
7	Tool Testers	PM			PM									
7	Toy Design Lab			PM		PM				AM				
10	STEAM Dreams						*							
10	The Magic and Mystery Show											*		
11	Amusement Park Design						AM							
11	Architecture: Houses	PM				AM			PM					
11	Carpentry 101: Tabletop Pinball													
11	Code Camp I		AM					PM		AM		PM		
11	Code Camp I for Girls										AM			
11	Create Classic Games					PM							PM	
11	Design Pet Projects				AM									
12	Epic Engineering Fails		AM							AM				
12	Home Hacks for Kids		AM								PM			
12	LEGO Chain Reactions		PM										AM	
12	LEGO Robotics I			AM		AM								
13	LEGO Robotics II							AM						
13	Machine Mash-Up							AM						
13	Origami Engineering					AM								
13	Slingshots and Hydraulics	AM										AM		
13	Upcycling				PM					AM				
13	Video Production			PM										AM
14	LED Backpacks						PM							
14	Your Name In Lights		PM							PM				
14	Beginning App Inventor with Code Savvy™			PM										
14	Minecraft MOD with Code Savvy™						PM					PM		
14	Learn to Code Using HTML/CSS & Javascript with Code Savvy™													
FRIDAYS		6/12	6/19	6/26	7/3	7/10	7/17	7/24	7/31	8/7	8/14	8/21	8/28	9/4
15	Engineer Your Bling													
15	Engineering Olympics													
15	Extreme Cardboard Castles													
15	LEGO Skyscrapers													
15	Mystery Engineers													
15	Slime-gineering													
15	Wizard Worlds													

* Camp runs from 9 a.m.-4 p.m.
• One day camps run from 9 a.m.-4 p.m.

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M-Th, August 17-20, 9 a.m.- 4 p.m.



Code Camp I

\$190, \$171 members

Explore computer programming. Use a simple Raspberry Pi computer that fits in the palm of your hand. Create mods for Minecraft using Python code.

M-Th, June 15-18, 9 a.m.-12 p.m.

M-Th, July 20-23, 1-4 p.m.

M-Th, August 3-6, 9 a.m.-12 p.m.

M-Th, August 17-20, 1-4 p.m.

Code Camp I For Girls

\$190, \$171 members

The same Code Camp, in a section for girls. Explore computer programming with other girls your age. Use a simple Raspberry Pi computer that fits in the palm of your hand. Create mods for Minecraft using Python code.

M-Th, August 10-13, 9 a.m.-12 p.m.

Amusement Park Design

\$165, \$148.50 members

Design and build your own twirling motorized amusement park ride. Add switches, resistors, or a belt to customize your ride.

M-Th, July 20-23, 9 a.m.-12 p.m.

Architecture: Houses

\$165, \$148.50 members

Design and build a wood-frame model house. Wire it with switches and lights, then customize it with other features such as a ceiling fan or a doorbell.

M-Th, June 8-11, 1-4 p.m.

M-Th, July 13-16, 9 a.m.-12 p.m.

M-Th, August 3-6, 1-4 p.m.

New! Carpentry 101:

Tabletop Pinball

\$165, \$148.50 members

Use carpentry skills to build a tabletop pinball machine. Design a theme, then add a launcher and traps.

M-Th, July 27-30, 1-4 p.m.

Create Classic Games

\$165, \$148.50 members

Game on! Make your own versions of old-school games such as cornhole, labyrinth, and "Plinko." Explore game theory.

M-Th, July 6-9, 1-4 p.m.

M-Th, August 24-27, 1-4 p.m.

Design Pet Projects

\$165, \$148.50 members

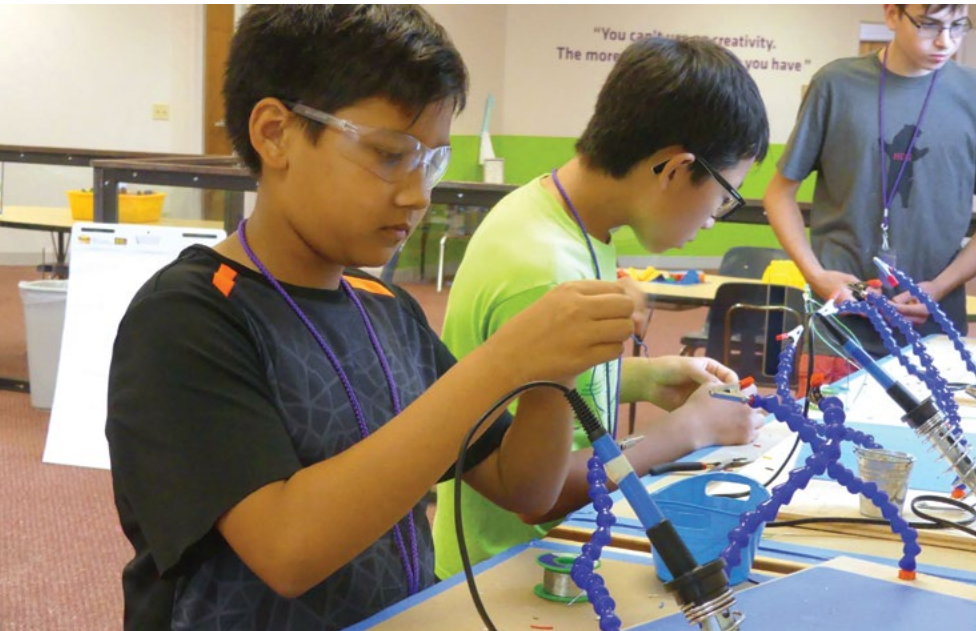
Compare the biomechanics of cats and dogs from tongues to tails. Make a working model of a cat's paw. Create adaptive technology for pets with disabilities. Use tools to make a pet tag to take home.

M-Th, June 29-July 2, 9 a.m.-12 p.m.



This was the 3rd time my children have attended camps at The Works, and they have always been high quality, fun experiences where they learn something too.

-Camp Parent



Epic Engineering Fails

\$165, \$148.50 members

How did the Titanic sink? Why do bridges collapse? Engineer and test your own boats and bridges to see where they fail. Construct a model building, test it with our earthquake table, then see if it can stand up to a tsunami or a hurricane.

M-Th, June 15-18, 9 a.m.-12 p.m.

M-Th, August 10-13, 9 a.m.-12 p.m.

Home Hacks For Kids

\$165, \$148.50 members

Make a mini-vacuum cleaner. Work on a team to construct a toilet. Design a working solar oven, then bake something too. Build other mechanical models of things people use every day.

M-Th, June 22-25, 9 a.m.-12 p.m.

M-Th, August 10-13, 1-4 p.m.

LEGO Chain Reactions

\$165, \$148.50 members

Work with others to design and create a chain reaction machine, including elements like dominoes, pendulums, pulley systems, spinners, levers, and launchers.

M-Th, June 15-18, 1-4 p.m.

M-Th, August 24-27, 9 a.m.-12 p.m.

LEGO Robotics I

\$190, \$171 members

Design, build, and program robotic creations using the LEGO Mindstorms EV3 system. Write computer programs for your robot to complete a mission to Mars.

M-Th, June 22-25, 9 a.m.-12 p.m.

M-Th, July 6-9, 9 a.m.-12 p.m.

LEGO Robotics II

\$190, \$171 members

If you've taken LEGO Robotics I before and have the basics of LEGO EV3 robotics down, this session is for you! Add sensors and programming to make a navigation bot and a ball-hunting rover.

M-Th, July 27-30, 9 a.m.-12 p.m.

Machine Mash-Up

\$165, \$148.50 members

Take apart electronics and other machines to see how they work, then use the parts to make other machines or Frankentoy.

M-Th, July 27-30, 9 a.m.-12 p.m.

Origami Engineering

\$165, \$148.50 members

Transform paper from two to three dimensions! Create amazingly strong structures out of paper, and design pop-up books with moving pieces.

M-Th, July 6-9, 9 a.m.-12 p.m.

M-Th, August 17-20, 9 a.m.-12 p.m.

Slingshots and Hydraulibots

\$165, \$148.50 members

Explore air power and create air cannons, slingshots, and flying propellers. Combine wood and water power to design your own hydraulibot to take home.

M-Th, June 8-11, 9 a.m.-12 p.m.

"My child was engaged and excited to go to camp each day."

— Camp Parent

New! Upcycling

\$165, \$148.50 members

Make cool accessories for your room and wearables by reusing existing materials in innovative ways. Learn no-sew techniques to create new clothes from old ones. Take a class trip to the thrift store, then refurbish your finds using our collection of tools and materials.

M-Th, June 29-July 2, 1-4 p.m.

M-Th, August 3-6, 9 a.m.-12 p.m.

New! Video Production

\$165, \$148.50 members

Use layers of images and sound to create a video. Work with your production team to develop a storyboard, create props and costumes, and film. Use software to edit your video and add special effects.

M-Th, June 22-25, 1-4 p.m.

M-Th, July 13-16, 1-4 p.m.

M-Th, Aug. 31-Sept. 3, 9 a.m.-12 p.m.



LED Backpacks

\$190, \$171 members

Learn to use a sewing machine to create a backpack from scratch! Once your backpack is made, use conductive thread to connect a string of lights that turns on when your bag opens and turns off when it closes.

M-Th, July 20-23, 1-4 p.m.

Your Name in Lights

\$190, \$171 members

Build a custom sign using LED lights. You'll learn to use a soldering iron to make electrical connections, use a drill and driver to build a frame, and program an Arduino to display your light patterns.

M-Th, June 15-18, 1-4 p.m.

M-Th, August 3-6, 1-4 p.m.

Programming Camps With Our Partner, Code Savvy™

Beginning App Inventor with Code Savvy™

\$190, \$171 members

Create mobile apps with App Inventor programming language! Explore the basics of programming, testing, and debugging by building some simple apps, then design one of your own. Apps created will only run on Android devices, but owning one is NOT required for camp.

M-Th, June 22-25 1-4 p.m.

Learn to Code Using HTML/CSS and Javascript with Code Savvy™

\$190, \$171 members

Create a web page using HTML, style CSS, and make it interactive using Javascript. You will leave the class with a published webpage.

M-Th July 27-30, 1-4 p.m.

Minecraft MOD with Code Savvy™

\$190, \$171 members

Enhance your Minecraft skills with code! Create events, build structures, and add new items to the game. Test your creations in a browser simulator or your Minecraft PC account.

M-Th July 13-16, 1-4 p.m.

M-Th August 10-13, 1-4 p.m.

"My kids always have fun, learn new things, and make new friends. This camp is very positive and my kids love it and are excited to come! High quality experience!"

– Camp Parent

Add a One Day Camp to your camper's week or just come for the day.

Museum exploration, outdoor games, activities, and pizza are included.

6-year-olds must have completed Kindergarten.

\$79 per day, \$71.10 members

Engineer Your Bling

Try weaving different friendship bracelets. Use tools, wires, and jewelry hardware to construct backpack hangers, keychains, rings, bracelets, and more.

July 10 OR August 21, 9 a.m.-4 p.m.

NEW! Engineering Olympics

Earn medals by pushing your individual and team problem-solving skills to the limit. See if you can design a package that will protect a "passenger" when dropped two stories. Run across a kiddie pool full of slimy oobleck and complete other wacky challenges.

July 31, 9 a.m.-4 p.m.

Extreme Cardboard Castles

Build life-sized forts with secret rooms and other amazing features.

June 12 OR August 28, 9 a.m.-4 p.m.

LEGO Skyscraper

Build strong structures and explore how tall towers are engineered. Everyone will contribute a floor to a LEGO skyscraper, as tall as you can make it. Then, strength-test the tower with the earthquake table.

June 26 OR August 14, 9 a.m.-4 p.m.

Mystery Engineers

Join a team of sleuths to solve puzzles and engineering challenges, unlocking clues to a mystery in the museum.

August 7, 9 a.m.-4 p.m.

Slime-gineering

Concoct your own recipes using a variety of ingredients to mix up different kinds of slime.

June 19 OR July 17, 9 a.m.-4 p.m.

Wizard Worlds

Geek out on your knowledge of wizardy books with others your age. Concoct potions, experiment with dry ice, and design your own wand.

July 24, 9 a.m.-4 p.m.





**9740 GRAND AVE. S.
BLOOMINGTON, MN 55420**

952.888.4262 | theworks.org
facebook.com/theworks | [@theworksmuseum](https://twitter.com/theworksmuseum)

NON-PROFIT ORG
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TWIN CITIES, MN



REGISTRATION DATES

INNOVATORS
CLUB: 1/27
MEMBERS: 1/30
PUBLIC: 2/6