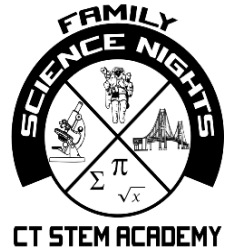


CT STEM ACADEMY SUMMER 2021 PROGRAMS



All programs on this page are held at the Wallingford Parks and Recreation STEM Room. Full day camps require students to bring a morning snack and lunch.

STEM Explorations I for Ages 8 to 14

June 21 through 25

2005.323 9am to 3pm Full Day or 2005.324 9am to 12pm

Half Day Option

Cost: \$225 Full Day or \$135 Half Day

Do you like to explore science, solve problems and use technology? If you do, then STEM Academy is the perfect place for you! Join us for an engaging session of exploring many different STEM Challenges through hands-on investigations. **Activities, and groupings, will be varied to meet the needs of all participants. Challenges will be different from past STEM Exploration Camps.**

Ages 7 and 8 STEM Camp

Course Number: 2005.307

June 28 to July 2, 2 pm to 4pm

And

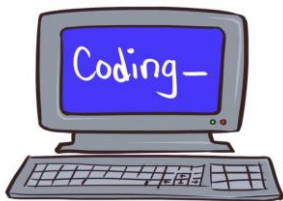
Course Number: 2005.308

July 19 to July 23, 2 pm to 4 pm

Cost: \$100

Do you like to explore science, solve problems and use technology? If you do, then STEM Academy is the perfect place for you! Join us for an engaging session of exploring many different STEM Challenges both engineering and technology through hands-on investigations. Our session will include high interest materials such as Legos, K'NEX, Little Bits, and Ozobots! **Each session will offer different activities and not repeat 2020 and 2021 topics.**

Register for all programs online @
<http://wallingfordrec.com/>



STEM Fun – Ramping Up to School

August 23 and/or August 24 - 1pm to 4pm

Ages 8 to 14

Cost: \$45 per day

Location: In Person, Park and Rec STEM Room

August 23: Technology Exploration – Course Number 2005.313

Do you like to explore and use technology? Join us for fun activities that include coding, robotics and electric circuits.

August 24: Environmental Investigations – Course Number 2005.314

Ever wonder how a bird flies Or how animals make their homes? Maybe how a volcano erupts into the air? Come investigate environmental phenomenons!

Ages 5 and 6 STEM Camp

Course Number: 2005.305

June 28 to July 2, 10:00 am to 12:00 am

And

Course Number: 2005.306

August 2 to 6, 10:00 a.m. to 12:00 a.m.

Cost: \$100

Do you like to explore science, solve problems and use technology? If you do, then STEM Academy is the perfect place for you! Join us for an engaging session of exploring many different STEM Challenges both engineering and technology through hands-on investigations. Our session will include high interest materials such as Legos, K'NEX, Little Bits, and Ozobots! **Each session will offer different activities and not repeat 2020 and 2021 topics.**

Robotics Camp for Ages 7, 8, 9

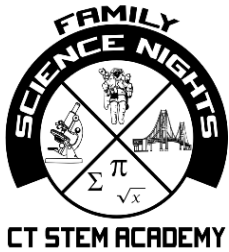
Course Number: 2005.301

August 2 to 6, 1 to 3:30 pm daily

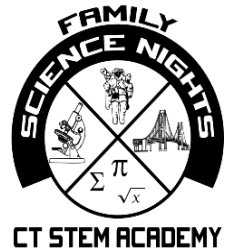
Cost: \$115

The great minds at LEGO have provided the tools and means for us to use their fun kits to do more advanced STEM and computer science. LEGO WeDo and LEGO Mindstorms are a great way for students to explore a different side of robotics that includes engineering through interesting building challenges, programming, and innovative thinking with high interest materials. **This session will offer different challenges from our Spring 2021 Session.**





CT STEM ACADEMY SUMMER 2021 PROGRAMS



All programs on this page are held at the Wallingford Parks and Recreation STEM Room unless otherwise noted. Full day camps require students to bring a morning snack and lunch.

Rube Goldberg Machine Inventions

Course Number: 2005.316

July 6 to 9, 1pm to 4pm

Cost: \$135

Ages 8 - 12

Who knew that physics could be so fun? Hone your designing, building, and teamwork skills with these exciting motion and physics related Rube Goldberg related challenges with Legos, K'NEX, car building, robotics and more.



STEM Explorations II for Ages 8 - 14 STEM Camp

July 12 to 16,

2005.325 9am to 3pm Full Day or

2005.326 9am to 12pm Half Day Option

Cost: \$225 Full Day or \$135 Half Day

Do you like to explore science, solve problems and use technology? If you do, then STEM Academy is the perfect place for you! Join us for an engaging session of exploring many different STEM Challenges both engineering and technology through hands-on investigations. Our session will include high interest materials such as Rocketry, Chemistry, K'NEX Challenges, and Robotics! **Activities, and groupings, will be varied to meet the needs of all participants. Challenges will be different from past STEM Exploration Camps.**

Register for all programs online @

<http://wallingfordrec.com/>

.VEX IQ Robotics Competition Team – Fall Program Announcement

Fall and Winter 2021 for Ages 11 - 14

Meeting Times: Saturdays 9 - 12 beginning in late September – Full Schedule Released in June

This program offers students a rich and exciting introduction to advanced levels of VEX IQ Robotics. The program encourages **teamwork, problem solving, and leadership skills along with the basics of coding, building a robot, while exploring related STEM applications.** For more information, please contact us at 203.294.2175 (Wallingford Youth and Social Services) or email us at info@ctstemacademy.org

World
Championship
Participants since
2018

STEAM Camp

Course 2005.330

July 6 - 9, 9am to 12pm

Cost: \$135

Ages: 7 - 12

This is a fun program for all who are interested in Art connections to STEM. Each day we will explore a wide range of topics from Robotics, Science, Engineering Art and Math that will result in a variety of Make and Take projects including Chemistry! This program will be high engagement, hands-on, and interactive!

Summer and Fall Programs - Open House Night

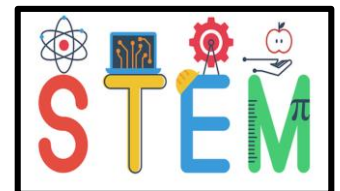
Thursday, April 22, 6pm to 6:30pm

Cost: FREE

Course Number 2006.331

Online Only

Learn more about our Summer and Fall Programs, including VEX IQ and Lego Robotics at our Open House Night on April 22nd 6:00 – 6:30 p.m. Prior to the event, a Google Meet Code will be sent to registered participants.





CT STEM ACADEMY SUMMER ONLINE 2021 PROGRAMS



CT STEM ACADEMY

Programs will be online through Google Meet.
Codes will be emailed to families prior to the start of the program

Ozobot Go For The Gold Virtual Beginner Level

Ages 8 - 14, Course Number 2006.322

July 19 through July 23

10:00 a.m. to 11:00 a.m.

Location: Online Only - Cost: \$150 (includes robot)

****Registration will close on July 1st for this program****

Ozobot is a robotic platform that empowers coding & STEAM education for participants. Participants will learn two ways to code with and without screens. This program will be led by an experienced STEM educator Kerry O'Sullivan. and **participants keep their robot!** Please note that this program will require participants to pick up their ozobot prior to camp starting. Prior to the program, a Google Meet Code will be shared with registered participants. Participants may pick up their materials between July 14 - 16.

Ozobot Go For The Gold Virtual Advanced Level

Ages 8 - 14, Course Number 2006.323

Monday, July 26 through Wednesday, July 28

10:00 a.m. to 11:00 a.m.

Location: Online Only - Cost: \$30

For participants who have participated in our Winter Beginner Level Sessions and Summer 2021 Beginner Level. Participants must use their Ozobot from the Winter Programs. This program will be led by an experienced STEM educator Kerry O'Sullivan

VEX Code VR - Course Number: 2006.344

June 28 - July 2 - 3pm to 4pm Daily

Location: Online Only

Ages: 9 - 14 - Cost: \$35

VEXcode VR lets you code a virtual robot using a block based coding environment powered by Scratch Blocks. VEXcode VR is based on VEXcode, the same programming environment used for VEX 123, GO, IQ and V5 robots. We all know that robots make Computer Science (CS) come to life with real world applications. There is no additional materials kit required for this program. The program instructor will be Hassan Bourhous.

Hassan is a STEM educator who specializes in technology education and an internationally experienced educator. **This session will offer different topics from previous sessions.**

Computer Coding, Game Design and More

Course Number: 2006.328

August 2 to 6, 9:30 to 11:00 a.m.

Location: Online Only

Cost: \$50

Ages: 9 - 14

In this course, participants will explore the wonderful world of coding and video game design. Students will learn key concepts of coding on Google CS First and use block coding platform to create their own video games. Participants will share their video games with friends and family and continue adding to them after the program is over. Come put your problem-solving skills to the test and show your creativity. No previous experience is required! Prior to the program, a Google Meet Code will be shared with registered participants. There is no additional materials kit required for this program. This program will be led by Laura Juarez.

Python Coding (NEW)

Course Number 2006.331

June 28 to July 2, 1:00 to 2:30 p.m.

Location: Online Only

Cost: \$50

Ages: 13 to 18

Python coding participants will create a project, test the project, make revisions and retest the project. Come join us for this engaging form of coding. Prior to the program, a Google Meet Code will be shared with registered participants. There is no additional materials kit required for this program. The program instructor will be Hassan Bourhous. Hassan is a STEM educator who specializes in technology education and an internationally experienced educator. **This session will offer different topics from our Winter 2021 Session.**

Please contact us at

info@ctstemacademy.org

All registration will be through Wallingford
Parks and Recreation Dept.

Save Time and Register Online @

<http://wallingfordrec.com/>

To hear more about our programs, visit us at
www.ctstemacademy.org or on social media @ctstem
(Facebook, Twitter and Instagram)



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