CT STEM ACADEMY
SATURDAY AND EVENING PROGRAMS
Fall 2024 and Winter 2025 Sessions

Fall Family STEM Fun @ Celebrate Wallingford

Join us at Celebrate Wallingford on October 5th & 6th
We will have *STEM Fun for All Ages and Information about Upcoming Programs* not listed in these brochure pages.

Family STEM Nights & Programs Open House
All Ages
2005.434 Thursday, October 3 – 5:30 pm to 6:45 pm
2005.134 Thursday, March 6 – 5:30 pm to 6:45 pm

Location: CT STEM Academy, 284 Washington Street
Cost: FREE
Join us for a fun Family STEM Night with several engaging STEM activities. We will have dedicated areas for a Q & A session about our Programs and assist your family with online registration.

Exploring the Natural World
Course Number 2005.405
Ages 9-14
Wednesdays, September 18 and 25
5:00 to 6:30 p.m.
Location: Sleeping Giant State Park, Hamden CT
Meet at the main entrance across from Quinnipiac University
Cost: FREE – Registration Required
It's September! The sun is shining and the leaves are about to fall! In this program, participants will get outside and learn about various plants and animals that inhabit the world around them. Participants will also collect, observe and identify plants, rocks and minerals. Come on out and see what nature has to offer! New topics will be introduced

Wednesday Night Science Fun

Ages 8-12
Wednesdays – See Selected Dates Below
6:00 – 7:00 p.m.
Location: Park and Rec STEM Room, 6 Fairfield Blvd.

There's nothing like some science to kick off the weekend! Friday programs will involve exciting projects for students to burn off some of that built up energy from the week. Activities will include exciting and engaging STEM labs for kids to collaborate on. If inclement weather, program will be moved to Wallingford Park and Rec STEM Room.
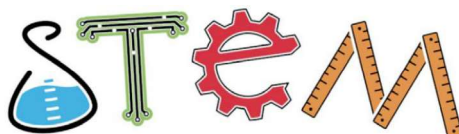***Cost: FREE – Registration Required***

2005.427 Wednesday, October 2 - **Roller Coasters**
Participants will envision and design a paper roller coaster.

2005.432 Wednesday, October 9 – Race Car Challenge
Participants will create race cars using everything from straws, peppermints and K'NEX.

2005.429 Wednesday, October 16 – **Make and Take STEM**
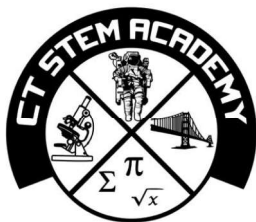*Participants will engage in a surprise STEM engineering challenge.*

2005.426 Wednesday, October 23 - **Chemistry**
Participants will engage in a fun hands-on chemistry experiment.

Registration for the 2024-2025 VEX IQ Robotics Competition Season,
CT STEM Academy will register participants.
Please email info@ctstemacademy.org for more information or check
www.ctstemacademy.org for the most current information.

Science • Technology • Engineering • Math

CT STEM ACADEMY
Fall 2024 and Winter 2025 Programs

Ages 5 and 6 STEM (NEW Topics)
Course Number 2005.407
Tuesdays: 10/8, 10/15, 10/22
Time 6:30 p.m. to 7:30 p.m.
Location: Wallingford Parks and Rec STEM Room
Cost: $32

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. Our session will include high interest materials that will include science, technology, art and math! Maximum Number will be 10 participants

Ages 5 and 6 STEM (NEW Topics)
Course Number 2005.107
Thursdays: 1/9, 1/16, 1/23, 1/30
Time 6:30 p.m. to 7:30 p.m.
Location: Wallingford Parks and Rec STEM Room
Cost: $39

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. Our session will include high interest materials that will include science, technology, art and math! Maximum Number will be 10 participants

Archaeology 101
Course Number 2005.112
Ages 9 - 14
Tuesdays: 2/4 and 2/11
Time: 6:15 to 7:30 p.m.
Location: Wallingford Parks and Rec STEM Room
Cost: $25

Explore a different side of STEM with this new program. As Archaeologists, students will study cultural material as they try to understand the past. Archaeologists studying the physical material left behind through the ages. This class will bring together many subjects like physical science, earth and environmental science, topography, anatomy and more!

Ages 7 and 8 STEM (NEW Topics)
Course Number 2005.406
Thursdays: 10/10, 10/17, 10/24
Time 6:30 p.m. to 7:30 p.m.
Location: Wallingford Parks and Rec STEM Room
Cost: $32

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. Our session will include high interest materials that will include science, technology, art and math! Maximum Number will be 10 participants

Ages 7 and 8 STEM (NEW Topics)
Course Number 2005.106
Tuesdays: 1/7, 1/14, 1/21, 1/28
Time 6:30 p.m. to 7:30 p.m.
Location: Wallingford Parks and Rec STEM Room
Cost: $39

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. Our session will include high interest materials that will include science, technology, art and math! Maximum Number will be 10 participants

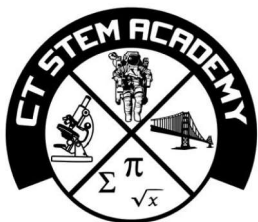**Robotics Club (Beginner Topics)**
Course Number 2005.425
Ages 7 – 9
Tuesdays: 11/12, 11/19, 11/26, 12/3
Time: 6:15 to 7:30
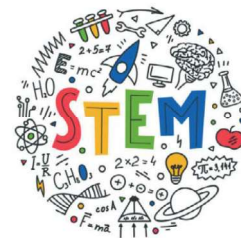**Location: Wallingford Parks and Rec STEM Room**
Cost: $38

*This program is designed for participants who would like a rich introduction to robotics and coding. This program encourages **critical thinking, problem solving, and communication.** Participants will be using **UB Tech Robotics** to learn the basics of building a robot, coding and related STEM applications.   Instructors will adjust program instruction to meet the needs of all participants.*

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All Registration can be completed online at
https://wallingfordct.myrec.com

STEAM Fun for Homeschool – Ages 8 - 14

Session 1 - Course Number 2005.415
Tuesdays: 9/24, 10/1, 10/8, 10/15
Session 2 - Course Number 2005.416
Tuesdays: 11/12, 11/19, 11/26, 12/3
Session 3 – Course Number 2005.117
Tuesdays: 1/14, 1/21, 1/28, 2/4

Time: 1:00 to 2:15 p.m.
Location: Wallingford Parks and Recreation Department, STEM Room
Cost: $35 per session
This is a fun program for all who are interested in Art connections to STEM. Each week we will explore a wide range of topics such as making sidewalk chalk, shaving cream marbling, magnetic cars and mud painting. This is a perfect program for homeschool students. More programming to be scheduled based upon homeschool family schedules and interest.

After School STEM
Look for our STEAM Offerings in the After School Arts Program Section

Girl Powered STEM Day – Fall Session
Course Number 2005.440
November 5, 2024 – Election Day
Session 1: 9:30 - 12:30 PM
Location: CT STEM Academy, 284 Washington St.
Cost: $35
Ages: 8 to 14
This summer program will allow girls to join other like-minded girls to explore engineering in a fun and informal environment. We engage girls in a balance of hands-on Engineering activities, along with social skills and collaboration skills. Both self-guided and teacher-led projects will take place. Girls will work to build, test, and improve their very own creations, which encourage fun learning experiences for all. Undoubtedly, this summer program will equip girls with STEM skills they will use for a lifetime.

Please check www.ctstemacademy.org
for the most current information.

Grades 3 to 5 Lt. Governor's Coding Challenge
Course Number 2005.126
Thursdays: 1/9, 1/16, 1/23
6:00 pm - 7:00 pm
Location: CT STEM Academy, 284 Washington St.
Cost: FREE
The Lt. Governor's Computing Challenge is a statewide coding competition for Connecticut students. The "Coding for Good" challenge is open to all students who can enter on their own or as a team. Our program will guide and support students. Upon enrollment, participants must commit to submitting an entry. More information about the challenge, please visit **https://www.ltgovcc.org/**

Python Coding – Online Program
Course Number 2005.131
Ages 10 - 15
Thursdays: 1/9, 1/16, 1/23
Time: 6:00 - 7:00 p.m.
Location: Online
Cost: $35
Python coding will provide participants with an experience of creating a project, testing the project, making any revisions Come join us for this engaging form of coding.

Robotics Club (Intermediate Level)
Course Number 2005.125
Ages 7 - 10
Thursdays: 2/6 , 2/13, 2/20, 2/27
Time: 6:15 to 7:30 p.m.
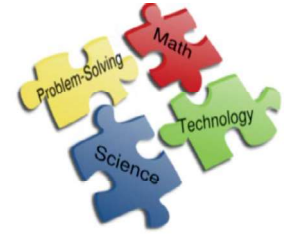**Location: CT STEM Academy, 284 Washington St.**
Cost: $40
*This program is designed for participants who would like to continue their robotic education. This program encourages **critical thinking, problem solving, and communication.** Participants will be using **Lego Mindstorms EV3** to learn how to build a speciic robot, coding and related STEM applications. Instructors will adjust program instruction to meet the needs of all participants. **Topics from fall program will not be repeated. Must have prior robotics experience in our fall session.***

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All Registration can be completed online at https://wallingfordct.myrec.com

School Break One Day Programs

Robotics Exploration – One Day Program Fall Session
Ages 8 to 12
Course Number 2005.411
Monday, October 14, 2024
Time: 9:30 a.m. to 12:30 p.m.
Location: CT STEM Academy, 284 Washington Street,
Cost: $35
Just us for a fun morning exploring a variety of robotics platforms. Possible topics include sphero, ozobots, lego robotics and UBtech robotics.

Experimental Fun! – One Day Program
Course Number 2005.414
Ages 8 to 14
Winter Break – Friday, December 27, 2024
9:30 a.m. to 12:30 p.m.
Location: Wallingford Parks and Rec STEM Room
Cost: $35
Are you interested in being in the next generation of creators and inventors? In our experimental design program, students will investigate with engaging hands-on challenges such as creating structures, simple machines and protective equipment.

STEAM Explorations
Course Number: 2005.133
Ages 8 to 14
Winter Break – Monday , December 30, 2024
Time: 9:30 a.m. to 12:30 p.m.
Location: Wallingford Parks and Rec STEM Room
Cost: $35
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 STEAM Challenges through hands-on investigations. Participants will be grouped based upon experience and/or age.

Robotics Exploration – One Day Program Winter Session
Ages 8 to 12
Course Number 2005.111
Monday, Jan. 20, 2025 - Martin Luther King, Jr. Day
Time 9:30 a.m. to 12:30 p.m.
Location: CT STEM Academy, 284 Washington Street
Cost: $35
Just us for a fun morning exploring a variety of robotics platforms. Possible topics include sphero, ozobots, Lego Robotics and UBtech robotics.

Fun with Chemistry
Course Number 2005.110
Ages 9 to 14
Monday, February 17, 2025 - Presidents' Day
Time: 1:00 p.m. to 3:00 p.m.
Location: CT STEM Academy, 284 Washington Street
Calling all Junior Chemists! Participants who join will experience how different substances react with one another. Some experiments may include: making different foods like ice cream; high flying reactions like film canister rockets; or colorful creations like slime and lava lamps.
Cost: $35

Girl Powered STEM Day – Winter Session
Course Number 2005.140
Ages: 8 to 14
February 18, 2025
Session 1: 9:30 - 12:30 PM
Cost: $35
This summer program will allow girls to join other like-minded girls to explore engineering in a fun and informal environment. We engage girls in a balance of hands-on Engineering activities, along with social skills and collaboration skills. Both self-guided and teacher-led projects will take place. Girls will work to build, test, and improve their very own creations, which encourage fun learning experiences for all. Undoubtedly, this summer program will equip girls with STEM skills they will use for a lifetime.
Different topics from November session.

Field Trips We are now offering school day field trips for local classrooms and educators. For more information, please email us at info@ctstemacademy.org or call/text us at 203.626.2280.