STEM SUMMER CAMPS

built by me®
STEM LEARNING

This summer, we're excited to present a diverse array of STEM Camps at your location, focusing on coding and robotics. Our camps are designed to be interactive, collaborative, hands-on, and project-based. The primary goal is to use technology as a tool for both learning new skills and having a great time!

Programs:

- LEGO® Robotics and Coding - Summer Fun (Incoming grades 2 - 4)
- LEGO® Robotics and Coding - Space Quest (Incoming grades 2 - 4)
- LEGO® Robotics and Coding - Sports Universe (Incoming grades 2 - 4)
- LEGO® Coding and Robotics with Scratch MIT - Summer Getaway (Incoming grades 4 - 6)
- LEGO® Robotics and Coding with Scratch MIT - Quirky Adventures (Incoming grades 4 - 6)
- Game Design and Animation Lab Camp with Scratch MIT (Incoming grades 4 - 6)
- Coding with micro:Bit (Incoming grades 4 - 6)
- The Inventors Club - Camp Edition (Incoming grades 3 - 6)

Details:

- 3 hours/day x 5 days per week: 9 am to 12 pm or 1 pm to 4 pm
- Up to 10 students per class, a minimum of 4
- At your facilities (room or pavilion with power and WIFI)
- We provide instructors, lesson plans, equipment and materials

For more info: makers@builtbyme.com · 866-752-8458
builtbyme.com/summercamps

We help children grow into creators.

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LEGO® Robotics and Coding - Summer Fun: Grades 2 - 4

This fun and interactive camp will introduce children to coding, robotics, and engineering using the LEGO® Education Robotics Construction Sets. Throughout the week, campers will participate in hands-on STEM activities and team-building challenges to learn concepts such as sequencing, debugging and troubleshooting. They will work in pairs on building models using sensors and motors that will allow them to code their prototypes to simulate amusement park rides. Young engineers will learn and gain confidence as they build and test their designs, reinforcing these concepts.

LEGO® Robotics and Coding - Space Quest: Grades 2 - 4

This dynamic and interactive camp offers an introduction to coding, robotics, and engineering through the use of LEGO® Spike Essential Education Robotics Construction Sets. Utilizing sensors and motors, campers work in pairs to build and code models focused on space exploration. The camp incorporates a variety of hands-on STEM activities and team-building challenges. Through building, testing, and problem-solving, young engineers gain confidence while fostering creativity and innovation.

LEGO® Robotics and Coding - Sports Universe: Grades 2 - 4

This engaging and interactive camp invites children to explore the exciting world of coding, robotics, and engineering using LEGO® Spike Essential Education Robotics Construction Sets. Throughout the week, campers will immerse themselves in hands-on STEM projects and collaborative challenges. Working in pairs, they'll design and build models centered on sports, then program their robots' behavior, using sensors and motors. Aspiring young engineers will develop skills, boost confidence, and have fun bringing their ideas to life through dynamic design and testing activities.

LEGO® Coding and Robotics with Scratch MIT - Summer Getaway: Grades 4 - 6

This fun and interactive camp will introduce children to coding, robotics, and engineering using the LEGO® Education Robotics Construction Sets. Throughout the week, campers will participate in hands-on STEM activities and team-building challenges to learn concepts such as sequencing, debugging, and troubleshooting. They will work in pairs on building models using sensors and motors that will allow them to code their prototypes to simulate means of transportation using Scratch MIT, a block-based coding language. Young engineers will learn and gain confidence as they build and test their designs, reinforcing these concepts.

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LEGO® Robotics and Coding with Scratch MIT - Quirky Adventures: Grades 4 - 6

This dynamic camp immerses children in coding, robotics, and engineering with LEGO® Spike Essential Education Robotics Construction Sets. Working in pairs, campers will build imaginative models like a trash monster and high-tech playground, integrating sensors and motors. They will then code their models using Scratch MIT, a block-based code. The hands-on experience emphasizes engineering design skills—defining problems, brainstorming solutions, and testing prototypes. The camp's fusion of creativity, technology, and collaboration makes STEM concepts accessible and fun.

Game Design and Animation Lab Camp (with Scratch MIT): Grades 4 - 6

This camp offers a hands-on learning experience that will teach your child the basics of game design and animation. Using Scratch, a kid-friendly programming language, campers will learn how to create unique games and animations. Our experienced coaches will guide your child through the process, from developing their ideas to creating their final projects. Along the way, they will develop important skills such as problem-solving, critical thinking, and creativity. By the end they will have completed video games and animated stories that they can share with family and friends.

Laptop or Chromebook are required.

Coding with micro:Bit: Grades 4 - 6, *Material fee: $40*

Campers will explore the world of electronics and the Internet of Things using a micro:Bit, a pocket-sized computer that makes learning coding easy and fun. Young programmers will use their micro:Bits to create games and projects using built-in LED screens, buttons, and sensors while learning coding languages such as Scratch and JavaScript. This programmable board will allow campers to express their imagination and inspire digital creativity.

At the end of the camp, each child will take home their projects, where they can continue to experiment with the micro:Bit and the other electronics.

The Inventors Club - Camp Edition: Grades 3 - 6, *Material fee: $35*

Ignite your child's curiosity through STEM and innovation! This program introduces students to the engineering design process through engaging, hands-on learning. Every day, children will build exciting projects that blend science, electronics, and physics concepts—constructing gadgets and simple machines that spark their imagination. Young inventors will construct their creations step by step, strengthening fine-motor skills and essential problem-solving abilities along the way. Every session ends with a take-home invention or two showcasing their creativity. With unique projects every day, there's always something new to explore.