We help children grow into creators.

STEM SUMMER CAMPS

built by me®
STEM LEARNING

This summer, we are offering a wide variety of STEM Camps at your location. They will start the week of July 10th through the week ending August 18. Our camps are all interactive, collaborative, hands-on, and project-based, focused on using technology to create and learn new skills while having fun!

Programs:

- LEGO® Robotics and Coding - Summer Fun (Incoming grades 2 - 4)
- LEGO® Coding and Robotics with Scratch MIT - Summer Getaway (Incoming grades 4 - 6)
- LEGO® Robotics and Coding - Science All Around (Incoming grades 2 - 4)
- LEGO® Robotics and Coding with Scratch MIT - Amazing Science (Incoming grades 4 - 6)
- Game Design and Animation Lab Camp (with Scratch MIT)
- Coding with micro:Bit (Incoming grades 4 - 6)
- Robotics with mBot Robot (Incoming grades 4 - 6)
- Explorer Robotics with mBot Neo (Incoming grades 4 - 6)

Details:

- 3 hours/day x 5 days per week: 9 am to 12 pm or 1 pm to 4 pm
- Up to 8 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

STEM SUMMER CAMPS

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® 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.

LEGO® Robotics and Coding - Science All Around: 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 focused on the earth, physical, and life sciences. Young engineers will learn and gain confidence as they build and test their designs, reinforcing these concepts.

LEGO® Robotics and Coding with Scratch MIT - Amazing Science: 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 focused on the Earth's environment, using Scratch MIT, a block-based code. Young engineers will learn and gain confidence as they build and test their designs, reinforcing these concepts.

STEM SUMMER CAMPS

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

This camp will teach children the basics of game design and animation using Scratch MIT, a user-friendly programming language. Campers will be introduced to the fundamentals of coding as they create their own games and designs. Our experienced coaches will guide them through the entire process. Their problem-solving, critical thinking skills, along with their technical skills will be challenged throughout the week. By Friday they will have a variety of games and animations to play at home with family and friends.

Coding with micro:Bit: Grades 4 - 6, Material fee: $45

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.

Robotics with mBot Robot: Grades 4 - 6

If your child is excited about robots and coding, this is the perfect camp for them. Young engineers will discover the basics of coding and robotics as they learn how to program the mBot robot to complete a variety of tasks, building and expanding their coding skills along the way. This fun and interactive program will have them track and probably chase their mBots through mazes and other activities. Their robotics knowledge, logical thinking and troubleshooting skills will be tested and honed throughout the week.

Explorer Robotics with mBot Neo: Grades 4 - 6

This is the perfect camp if your child is excited about robots and coding. Young engineers will discover the basics of coding and robotics as they learn how to program the mBot robot to complete various tasks, building and expanding their coding skills along the way. Campers will complete projects applying robotics knowledge and computational thinking skills using sensors, motors and actuators as they program their mBot Neo to go through obstacle courses and other real life challenges. Their robotics knowledge, logical thinking and troubleshooting skills will be tested and honed throughout the week.

Students must have previous coding or robotics experience to register for this program.