

STEM Programs - Fall 2022

LEGO® Robotics and Coding - Amazing Engineers



Grades 2 - 4

Tuesdays 4:30 pm - 5:30 pm

10/11, 10/18, 10/25, 11/1, 11/8 and 11/15

This fun and interactive program focuses on coding and robotics as it introduces students to the engineering design process using LEGO® Essential Education Robotics Construction Sets. The young engineers will work in teams of 2 building models, such as a swing and a submarine. They will define problems, brainstorm solutions, and test their prototypes to improve their ideas. Children will gain confidence and understanding as they build and explore their construction projects.

LEGO® Robotics and Coding with Scratch MIT - Crazy Carnival Games



Grades 3 - 5

Tuesdays 5:45 pm - 6:45 pm

10/11, 10/18, 10/25, 11/1, 11/8 and 11/15

This fun and interactive program explores many aspects of STEM using LEGO® Essential Education Robotics Construction Sets. Focusing on energy children will work in pairs to build prototypes, such as a mini-golf course and a pinball machine. They will explore the relationship between energy and speed, and predict how energy moves from place to place. They will then code their designs with Scratch MIT, a block-based code, to perform various tasks and functions. Young engineers will broaden their understanding of energy conversion (potential and kinetic) testing solutions to improve and refine its function.

\$165/student

Limited space, 8 students max

Register online at:

<https://parksrec.egov.basgov.com/metuchen>

Location:

Metuchen Senior Center, 15 Center St, Metuchen

