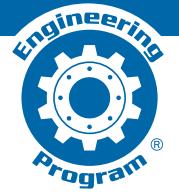


Robotics Projects

Green Street Competition

ENGINEERING PROGRAM



Robotics Competition Projects provide a unique opportunity to introduce robotics into the classroom. Each project is designed to stimulate student learning and engages participants to solve a variety of science, technology, engineering and math (STEM) problems. Projects are designed for various levels of experience and include everything you need in one package. Components typically include scoring goals, scoring components, fasteners, rules, field construction plans, and scoring software.

Robotics Competition Projects were created to capture the feeling of large robotic competitions adapted to be more suitable for a classroom setting. Everything you need is in the box, leaving you with a ready-to-use teaching tool for science, math, and engineering principles.

Each project is designed to allow for numerous creative solutions, each having its own set of challenges. These challenges are suitable for all levels of robotic experience. Whether used as part of a classroom curriculum, as a robotics club challenge, or as a tournament for several competing teams, robotics projects are proven means to stimulate students' interest in the exciting world of robotics.

EXCELLENT ADD-ON FOR REC (ROBOTICS ENGINEERING CURRICULUM) PROGRAMS!

Order # 17-7026 includes:



Green Street™ is an autonomous challenge modeled after current waste disposal technologies. This competition challenges players to create a fully autonomous robot that navigates Green Street neighborhood and collects trash bins at each home. Solving this challenge will require participants to utilize and program a variety of robotic sensors in order to find and empty the plastic waste bins. Variations included in the game's challenge sheets will give programmers opportunities to continue expanding their skills after solving the basic problem. Green Street is certainly a challenge applicable to the 21st century.

Included Materials:

- (1) 4' x 8' Game Mat
- (8) Miniature, Blue Trash Bins
- (10) Black Stickers
- (10) White Stickers
- Documentation
 - Game Challenge Sheets
 - Instruction Manual



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