SparkLab After-School Robotics & Engineering Programs

*Hands-on **STEM** enrichment that builds confidence, collaboration, and real-world problem-solving skills.*

Program Overview

SparkLab's after-school program delivers engaging robotics and engineering experiences directly to students in a structured, low-lift format for schools and community organizations.

Students design, build, and program robots while developing teamwork, creativity, and critical thinking skills.

Program Model — At a Glance

Program Length
- 6–12 weeks
- 1–2 sessions per week
- 60-minute sessions

Group Size
- Grades K–2 →
  1 instructor : 8 students
- Grades 3–7 →
  1 instructor : 10 students
- Grades 8–12 →
  1 instructor : 12 students

What's Included
- SparkLab Instructor
- LEGO Robotics Kits
- Devices & Software
- Standards-Aligned Curriculum
- Full Setup & Cleanup

Designed for Schools & Community Organizations
- Easy to implement
- Minimal staff involvement
- No lesson planning neded
- Flexible scheduling
- All materials provided

How Students Learn — The SparkLab Team Model

Team Roles

Builder
Builds the Robot

Programmer
Programs the Code

Design/Data
Documents robot info

Media / Research
Captures & Explores

Why It Works

Team-based structure that promotes collaboration, accountability, and hands-on problem-solving— just like real-world engineering careers.

Ideal For
- Elementary Schools
- Middle Schools
- K–8 Campuses
- Community Organizations
- Boys & Girls Clubs
- YMCAs
- Afterschool & OST Providers

*Bring **engaging**, hands-on STEM experiences to your **students** and **unlock their potential!***