



STEM AFTERSCHOOL ACADEMY

Kindergarten through 2nd Grade

Monday, 3:50pm – 4:50pm



2017-2018 STEM Afterschool Clubs @ Beverly Farms ES

Robotics Line tracking / Remote Control Rovers

Mondays, 3:50pm – 4:50pm, September – November

- Explore the field of autonomous robotics while **build** and **take home** your very own autonomous robots.
- Learn about electrical circuit theory, electrical components, servo motors, photo-resistors, infrared sensors, and transmitters.
- Learn how remote control transmitters and radio receivers work
- Learn how gears and motors work
- Participate in fun Rover races, Disc shooting contests and team-based robotics challenges

❖ Robotics 101 (10 weeks)

❖ Sept: 18, 25, Oct: 2, 9, 16, 23, 30, Nov: 6, 20 & 27

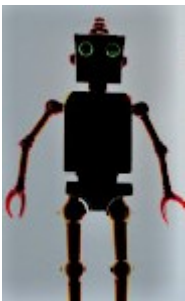
Building FM Radio & Circuits – Non Soldering

Monday, 3:50pm – 4:50pm, January – April

- Learn about electronic circuit components and integrated circuit such as resistors, capacitors, diodes, transistors, operational amplifiers, and timer circuit as they build several electronics gadgets from fan circuits to FM radios.
- Children will also partake in exciting circuit building contests.

• E-Lab 101: (10 weeks)

• Jan: 22, Feb: 5, 12, 26, Mar: 5, 19, Apr: 16, 23 & 30, May 7



Where: Beverly Farms ES Classroom 116

How much: \$200/participant/Session (all materials included)

Contact: stemafterschool@gmail.com | 202-460-4250 | stemafterschoolacademy.com

To register, please contact us or visit: <http://www.stemafterschoolacademy.com/#!registration/c1ghi>



STEM AFTERSCHOOL ACADEMY



3rd Grade through 5th Grade

Monday, 3:50pm – 4:50pm

2017-2018 STEM Afterschool Clubs @ Beverly Farms ES

Robotics Line tracking / Coding (Programming)

Mondays, 3:50pm – 4:50pm, September – November

- Explore the field of autonomous robotics while **build and take home** your very own autonomous robots.
- Learn about electrical circuit theory, electrical components, programmable microcontroller interfacing, servo motors, photo-resistors, infrared sensors, transmitters, and soldering.
- Participate in team-based robotics challenges

❖ Robotics 201 (10 weeks)

❖ Sept: 18, 25, Oct: 2, 9, 16, 23, 30, Nov: 6, 20 & 27

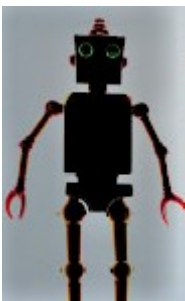
Building FM Radio & Circuits– Soldering

Monday, 3:50pm – 4:50pm, January – April

- Learn about electronic circuit components and integrated circuit such as resistors, capacitors, diodes, transistors, operational amplifiers, and timer circuit as they build several electronics gadgets from fan circuits to FM radios and soldering.
- Students will also partake in exciting circuit building contests.

• E-Lab 201: (10 weeks)

- Jan: 22, Feb: 5, 12, 26, Mar: 5, 19, Apr: 16, 23 & 30, May 7



Where: Beverly Farms ES Classroom 116

How much: \$200/participant/Session (all materials included)

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These materials are neither sponsored nor endorsed by the Board of Education of Montgomery County, the superintendent, or this school.