

After School Opportunity for 5th-8th Grade MCS Makeathon 2018 (begins February 5th) Create Robot Animals Using Hummingbird Robotics Microprocessor

The MCS Makeathon is an afterschool program for students in grades 5-8 where students learn and employ design, engineering, and programming skills. The goal is to provide a fun and engaging environment in which to learn technology and design. All skill levels are welcome.

Students will work together in teams of 2 to learn coding, electronics, and physical prototyping by building an automated animal. Students will use the Hummingbird Duo microcontroller, LEDs, servos, motors, and sensors along with all manner of other items to imagine, create and bring their robotic animal to life!

The goal of our animatronic animals is having fun while learning to use microprocessors! Art creativity, humor and imagination all come together to create an animal.



At the completion of the MCS Makeathon, the animal creations will be showcased at:

OC Fair Imaginology event, April 13-15

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MCS Spring Musical, *The Lion King*

Requirements for Participation: No experience necessary; 5th-8th grade; willing to work in teams; must be able to commit to attending the after-school meetings and completing an animal for display at OC Fair Imaginology and MCS's *The Lion King*.

Where: MCS Makerspace

When: 3:00-4:30PM Mondays & Thursdays weekly, February 5 through April 12
(no meetings during mid-winter break or Easter break)

Cost: \$150 per student

What to Bring: an afternoon snack, your imagination and a willingness to work well with a team.

How Do I Sign Up?: To register, go to: <https://goo.gl/forms/gzNNtadw0RIQn2Xy2>

Questions?: Please contact our Director of Technology and Maker Education Mrs. Rodriguez at trodriguez@marinerscs.org

To see some of these creations in action, here is a video from another school who put on a Petting Zoo Makeathon <https://youtu.be/zftFcV0Za2M>.