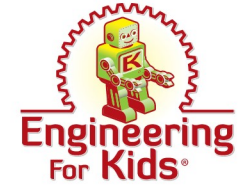


INSPIRING THE NEXT  
GENERATION OF ENGINEERS



# ROBOTICS

## Summer Camp

Engineering for kids  
offers

**LEGO® Robotics, Minecraft  
Madness, Game Design and  
Engineering STEM Fun Camp**

- Theme based camp
- Camps are offered in June, July and August
- Half and full day options available

web

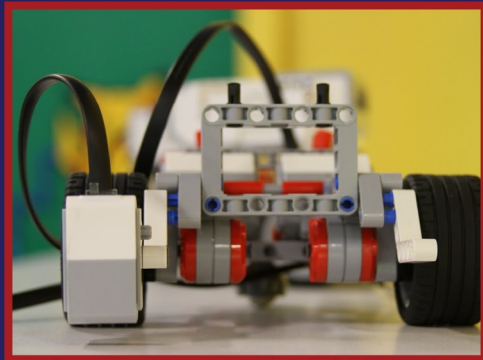
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## General Information

- Hands-on learning
- Builds on teamwork, communication, and problem-solving skills
- Includes construction, programming, and implementation of customized robots
- Age-appropriate lessons designed for children ages 4-14
- and applications
- New robotics challenges each day
- ♦ Explore areas that humans cannot travel, such as the ocean floor and deep space
- ♦ Assist in the safe disposal of explosives
- ♦ Analyze data provided by sensors and react to it appropriately
- ♦ Mimic the behavior of humans or animals
- ♦ Manufacture parts or products
- ♦ Perform delicate surgeries



## Apprentice & Master

- Ages 7-14
- *Rescue Robots*
  - earthquakes and avalanches
  - broken bridges
  - lost in the woods
  - apocalypse
- *Robo Battles*
  - tug of war
  - catapult and jousting
  - sumo-bots
- *Robot Surgeons*
  - set and repair broken bones
  - remove harmful bacteria
  - administer aid and medication
  - robo-therapy, operations
- *Mission to Mars*
  - mars rover, space launch
  - crater crossing, race to water
- *Oceans Missions*
  - oil spill
  - cross the seas
  - save the dolphins
  - submarine adventures
  - buried treasure
- *Robot Olympics*
  - basketball, hockey
  - wrestling, sprinting
  - tug of war



## Junior Robotics

- Ages 4-6
- Age-appropriate lessons and challenges
- Different activities every day
- Hands-on learning
- Favorable student-to-teacher ratio (est. 6:1)
- *Adventure Stories*
  - Airplane Rescue
  - Great Escape
  - Sailboat Storm
- *Amazing Mechanisms*
  - Dancing Bird
  - Drumming Monkey
  - Smart Spinner
- *Play Soccer*
  - Goal Kicker
  - Goal Keeper
  - Cheerful Fans
- *Wild Animals*
  - Hungry Alligator
  - Roaring Lion
  - Flying Bird