

SESSION FOUR

JULY 16 - 19

CIRCUITS & ROBOTICS

AM - Grades 1 - 2
Enrollment cap: 10
Instructor: Lara Hays

This class will explore the basics of electronics and circuits while playing with SnapCircuits and LittleBits. We'll learn about robots like Sphero, Dash and Dot, and how to program for completion of tasks and challenges.

\$85 non-member/\$70 member/\$50 reduced lunch/\$40 free lunch

EXPLORING SNAP CIRCUITS

AM - Grades 3 - 5
Enrollment cap: 10
Instructor: Jake Bullis

Develop an understanding of basic circuitry while honing the skills of inventive design. Develop problem-solving skills while learning to power motors, fans, speakers, noisemakers, LEDs and fiberoptics. Learn the vocabulary of electricity including resistors, capacitors, positive and negative. Use a multimeter to measure voltage and develop an understanding of how electricity moves.

\$85 non-member/\$70 member/\$50 reduced lunch/\$40 free lunch

SOLDERING 101

AM - Grades 5 - 7
Enrollment cap: 10
Instructors: Karen Rutherford and Tracy Trotter

Learn the basics of soldering, the technique for connecting electronic components using heat to fuse them together on a circuit board with solder wire. Learn to assemble basic circuitry on circuit boards to light up LEDs. Construct your own circuit board and learn about different electronic components and their uses.

\$85 non-member/\$70 member/\$50 reduced lunch/\$40 free lunch

FIBER ARTS

PM - Grades 1 - 2
Enrollment cap: 10
Instructor: Lara Hays

Discover the beautiful world of yarn and its many uses from weaving, creating string art, finger crocheting and more. Explore different textures and types of fibers to create beautiful art to share with family and friends.

\$85 non-member/\$70 member/\$50 reduced lunch/\$40 free lunch

MAD SCIENTIST

PM - Grades 3 - 5
Enrollment cap: 10
Instructor: Jake Bullis

Learn about science through fun and interactive projects including the study of chemical reactions, applied physics and engineering challenges.

\$85 non-member/\$70 member/\$50 reduced lunch/\$40 free lunch



SOLDERING 101

PM - Grades 5 - 7
Enrollment cap: 10
Instructors: Karen Rutherford and Tracy Trotter

A repeat from the morning class. Learn the basics of soldering, the technique for connecting electronic components using heat to fuse them together on a circuit board with solder wire. Learn to assemble basic circuitry on circuit boards to light up LEDs. Construct your own circuit board and learn about different electronic components and their uses.

\$85 non-member/\$70 member/\$50 reduced lunch/\$40 free

lunch