

# Prairie Oak Nature Center

Amanda, Granny Mary or NC Staff • NC Activity Room, Ironwoods Park • 14701 Mission Road • 913.696.7770

Class	Ages	Code	Session	Dates	Day	Time	Fee/ Res Disc	Min/ Max
Learn to Fish	5 y+	204102	1	Mar 10	Sat	10:00 am-12:00 pm	\$10/\$8	5/10
Learn to Fish	5 y+	204102	2	Apr 14	Sat	10:00 am-12:00 pm	\$10/\$8	5/10
Learn to Fish	5 y+	204102	3	May 12	Sat	10:00 am-12:00 pm	\$10/\$8	5/10
Learn to Fish	5 y+	204102	4	July 14	Sat	10:00 am-12:00 pm	\$10/\$8	5/10
Learn to Fish	5 y+	204102	5	Aug 11	Sat	10:00 am-12:00 pm	\$10/\$8	5/10
Muddy Buddies	3-6 y	204104	1	Mar 27-May 22	Tues	9:30-10:30 am	\$70/\$60	8/16
A Bird's Life	6-9 y	204107	1	Apr 7	Sat	1:00 -2:15 pm	\$8/\$6	8/15
Bats and Owls	4 y+	204108	1	Apr 20	Fri	6:00-7:45 pm	\$9/\$7	5/15
Spiders and Spiders and Spiders, Oh My!	4 y+	204109	1	May 12	Sat	2:00-2:45 pm	\$8/\$6	8/15
Snakes on the Plain	4 y+	204114	1	May 23	Wed	5:30-6:15 pm	\$8/\$6	8/15

## Learn to Fish

If you have always wanted to give fishing a try or just want to refresh the experience, this is the program for you! After a brief introduction to the basics of equipment and fundamentals, enjoy time at the pond, "reeling them in". Equipment and bait provided. Participants should be able to comfortably hold the weight of a cane pole/rod and reel (plus a fish of course)! An adult chaperone must accompany any child under the age of 12 years. We practice "Catch and Release". A fishing license is not required for our pond. One - 2 hour session.

## Muddy Buddies

Children and their accompanying adults are introduced to nature in a safe, fun and creative environment. Participants are encouraged to explore nature at their own pace, using a full range of senses, including tactile perception and fine motor skills, taste and smell. Adults are encouraged to take the role of teacher to help their children become comfortable with their natural environment, both personally, and as part of a group. May include hiking, stories, and indoor/outdoor environmental discovery time. Nine - 1 hour sessions.

## **NEW** A Bird's Life

Come "Tweet" with us! Learn about different types of birds and why they are so special. Enjoy age appropriate activities and a nature walk with binoculars, weather permitting. All children 12 years or younger must be accompanied by an adult chaperone/participant. One - 75 minute session.

## Bats and Owls

Spend an evening learning about these wonderful creatures and their significant role in the web of life. Great for families and those interested in beginning or furthering their knowledge about our night time flying creatures. Find out about the super powers possessed, the basics of flight, and what makes these two groups significant to our environment. A hike to locate potential habitats in Ironwoods Park may be included at the end of this program. All children 12 years or younger must be accompanied by an adult chaperone/participant. One - 45 minute session.

## **NEW** Spiders and Spiders and Spiders, Oh My!

Find out about these eight-legged creatures and how they play an integral part in our lives. They aren't just bug trappers! Activities and information will be age appropriate to the group. All children 12 years or younger must be accompanied by an adult chaperone/participant. One - 45 minute session.

## **NEW** Snakes on the Plain

Snakes are important to the midwest ecology. Find out about common snakes in our region and why they should be "friended", not feared. Age appropriate activities and information will be presented based upon the enrollees. All children 12 years or younger must be accompanied by an adult chaperone/participant. One - 45 minute session.



# TALES, & TAILS, & TRAILS

**Back by Popular Demand!**

**Ages 2-5 years • Free • Friday Mornings  
10:00-11:00 am • April 6-May 11**



Parents or adult chaperones will enjoy a nature-themed story and related programming with your child or children. Discover the wonders of nature while exploring through the eyes of a child. We encourage full participation in the stories, crafts, hikes and exploration.

Please dress for our outside activities, weather permitting. Six - 1 hour sessions.

**NEW**

## Children's Garden

**April 1st - September 31st**

Prairie Oak Nature Center will exhibit a small plot garden of fruits and vegetables from spring through early fall.

We encourage all families to visit the nature center to find out information and gather ideas on how families can enjoy their own small plot garden at home.



## Homeschool Group Classes & Seminars

Ages 7-15 years • All classes need to be arranged by calling Scott Gamerl, Outdoor Education Supervisor at 913.696.7771

A homeschool group with a minimum of 5 students can select from a list of courses provided. These courses will be 60 minutes in length. Each class will have a lecture and lab/demonstration portion. Please read and refer to the cancellation and refund policy set by the City of Leawood prior to booking your program.

**Fee \$12 per student/Leawood Resident Discount \$10 per student Min 5 Max 25**



These courses are available in a seminar (4 courses of your choosing). Each class will be two hours in length and includes a lecture, demonstrations and hands-on experiments. Seminars will begin with a general overview of the physical or biological science and then progress to more specific concepts in those areas of study. The seminar will be an intensive look at subject matter and themes.

**Fee \$120 per student/Leawood Resident Discount \$100 per student**

Choose from the following class disciplines that best meets your schedule.

- Animal Tracks
- Birds
- Forest Ecology
- Animal Habitats
- Herpetology
- Ornithology
- Insects
- Life of Primates
- Mushrooms
- Decomposers
- Pond Ecology
- Seed Dispersal
- Hibernation

# Youth Art by Marina



## Art in the Spring

Spring comes alive through painting with tempera, watercolor, and acrylic. Art by Georgia O'Keeffe will be used for inspiration. Four - 1 hour sessions.

## Beginner Drawing

Work with pencil, colored pencils, pen and markers to explore fundamentals of drawing. Learn about line, space and composition. Four - 1 hour sessions.

## Art in the Fall

Welcome the fall colors with painting, printing, collage and sculpture. Art by different artists is used for inspiration. Four - 1 hour sessions.

Marina Laser • Cedar Room, LCC • Ages 5-12 years • Min 3 Max 10

Class	Session	Days	Dates	Time	Fee/Res Disc
Art in the Spring	09	Thurs	Mar 22-Apr 12	4:00-5:00 pm	\$53/\$48
Beginner Drawing	10	Thurs	Apr 19-May 10	4:00-5:00 pm	\$53/\$48
Art in the Fall	03	Thurs	Sept 6-Sept 27	4:00-5:00 pm	\$53/\$48



# Developing Dancers

Tina Mullinix • Maple Room, LCC • Min 6 Max 12 • No Class July 4

Class	Age	Session	Day	Dates	Time	Fee/Res Disc
Dev Dancers 1	3.5-5 y	10	Mon	Apr 2-May 21	5:00-5:45 pm	\$88/\$80
Dev Dancers 1	3.5-5 y	11	Wed	Apr 4-May 23	10:30-11:15 am	\$88/\$80
Dev Dancers 1	3.5-5 y	12	Wed	Apr 4-May 23	1:00-1:45 pm	\$88/\$80
Dev Dancers 1	3.5-5 y	16	Mon	June 4-July 23	5:00-5:45 pm	\$88/\$80
Dev Dancers 1	3.5-5 y	17	Wed	June 6-Aug 1	10:30-11:15 am	\$88/\$80
Dev Dancers 1	3.5-5 y	18	Wed	June 6-Aug 1	1:00-1:45 pm	\$88/\$80
Dev Dancers 2	5-7 y	04	Mon	Apr 2-May 21	4:10-4:55 pm	\$88/\$80
Dev Dancers 2	5-7 y	06	Mon	June 4-July 23	4:10-4:55 pm	\$88/\$80

## Developing Dancers 1

This dance class is designed for young beginners to develop movement, balance and coordination. Beginning tumbling, ballet and tap are presented in a fun way. Eight - 45 minute sessions.

## Developing Dancers 2

Let your child take dancing to the next step! Dancers will advance to the next level as they continue to build dance and tumbling talents with a ballet and tap curriculum. Eight - 45 minute sessions.

# Attention Dance Parents

Experience has shown that your child learns more and performs better when parents are not in the classroom. For this reason, we designate the last class of every session as "Parent Observation Day".

You are welcome to observe your child's progress at this time.





**Tippi Toes Staff • Maple Room, LCC**  
**Ages 18 mos-3 years • Min 5 Max 12**  
**9:15-9:45 am • Fee \$40/Res Disc \$37**

Class	Session	Days	Dates
Toddler & Me	02	Tues	Apr 3-24
Toddler & Me	03	Tues	May 1-22
Toddler & Me	04	Tues	June 5-26
Toddler & Me	05	Tues	July 3-24

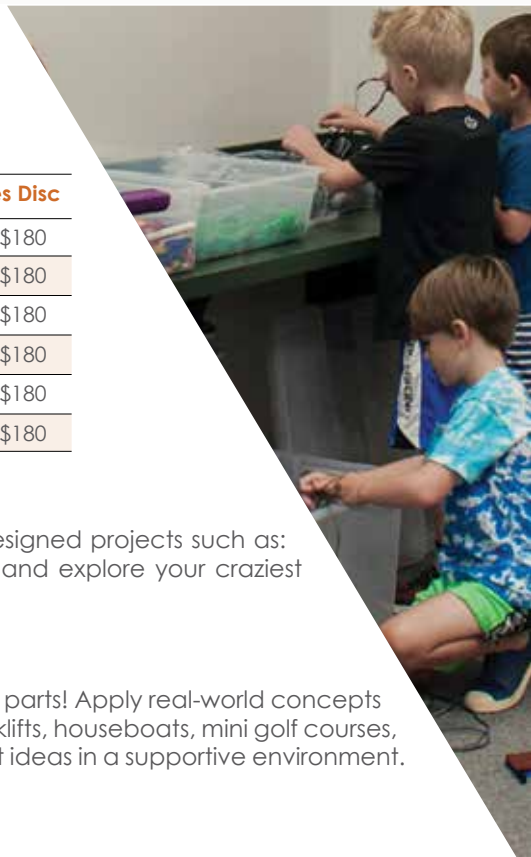
Music, movement, balance and basic dance steps are introduced in a fun, friendly and positive manner. This class includes mom, dad or another loved one participating along with the little dancer. Our teachers will keep the music and curriculum moving along while parents take an active role in encouraging, supporting and keeping the little dancer on track.

Our mission is to develop a love of dancing in children by creating a positive experience that promotes healthy living habits, builds self-confidence and instills a love for others. Four - 30 minute sessions.

## LEGO® Camps

**Play-Well TEKologies • Walnut Room, LCC • Ages 5-12 years • Min 11 Max 20**

Class	Ages	Session	Dates	Days	Time	Fee/Res Disc
Intro to STEM with LEGO®	5-7 y	01	June 4-8	Mon-Fri	9:00 am-12:00 pm	\$185/\$180
STEM Challenge with LEGO®	8-12 y	02	June 4-8	Mon-Fri	1:00-4:00 pm	\$185/\$180
Ninjaneering LEGO®	5-7 y	03	July 9-13	Mon-Fri	9:00 am-12:00 pm	\$185/\$180
Ninjaneering Masters LEGO®	8-12 y	04	July 9-13	Mon-Fri	1:00-4:00 pm	\$185/\$180
Robotics Using LEGO® WeDo	7-9 y	09	Aug 6-10	Mon-Fri	9:00 am-12:00 pm	\$185/\$180
Robotics Using LEGO® EV3	9-14 y	10	Aug 6-10	Mon-Fri	1:00-4:00 pm	\$185/\$180



### Intro to STEM with LEGO®

Give your imagination a boost with tens of thousands of LEGO® parts! Build engineer-designed projects such as: cities, garbage trucks, catamarans, and dinosaurs. Design and build as never before, and explore your craziest ideas in a supportive environment.

### STEM Challenge with LEGO®

Gear up your engineering skills with Play-Well TEKologies and tens of thousands of LEGO® parts! Apply real-world concepts in physics, engineering, and architecture through engineer-designed projects such as: forklifts, houseboats, mini golf courses, and the London Tower Bridge. Design and build as never before, and explore your craziest ideas in a supportive environment. There are no prerequisites for this course.

### **NEW** Ninjaneering LEGO®

Enter the world of Ninjago and become an apprentice Ninjaneer! Learn the way of Spinjitzu, build the Fire Temple, race Skull Trucks, and encounter the mighty Dragon! Imagine and build unique and fun LEGO projects with the guidance of an experienced Play-Well instructor while exploring the fantasy world of Ninjago, an ideal way to prepare young Ninjaneers for the challenge of Ninjaneering Masters.

### **NEW** Ninjaneering Masters LEGO®

Master the world of Ninjago by becoming a Ninjaneer! Tame the Ice Dragon, motorize your Blade Cycle, design the Dark Fortress, and hone your Spinjitzu battle skills! In this advanced LEGO® camp, Ninjaneering masters will learn real world concepts in physics, engineering, and architecture while exploring the fantasy world of Ninjago.

### Robotics with LEGO® WeDo

Build and program robots in this introductory Robotics class using the LEGO® WeDo system. Learn basic programming skills, simple engineering concepts, and the names of robot components. Work in small groups to complete several projects using tilt and motion sensors. A great way to prepare young Robotics enthusiasts for the more advanced Robotics programs.

### Robotics using LEGO® EV3

Build and program robots using the new LEGO® Mindstorms EV3 system! Learn about mechanical and software design, loops, conditional statements, problem solving, and teamwork skills. Work in small groups, program and build your robot, and rise to the challenge. Control the robot to avoid obstacles, pick up and carry objects, and play sounds. Projects are structured so that students work in an open-ended, investigative environment while having fun.



Ages 6-16 • Math Monkey of Leawood, 15061 Nall Avenue or US Toy, 2008 W. 103rd Terr

Math Monkey summer camps make learning FUN. Combining our engaging curriculum with problem solving and logic games, students can challenge their minds over the summer months. For over a decade Math Monkey has been working with students to build their knowledge of math, engineering, robotics and programming with camps and classes.

To view a complete list of camps and to get more information, visit [www.MathMonkeyKC.com](http://www.MathMonkeyKC.com). Contact us at 913.897.6284 if you have any specific questions.

**Math Monkey Staff • Mon-Thurs or Tues-Fri • Min 3 Max 12**

Class	Ages	Session	Days	Dates	Time	Fee/Res Disc	Location
Intro to Programming in Python	8-16 y	12	M-Th	June 4-7	9:00 am-12:00 pm	\$190/\$180	Math Monkey
Intro to Programming in Python	8-16 y	18	M, T, Th, F	July 2, 3, 5, 6	12:30-3:30 pm	\$190/\$180	Math Monkey
Web Page Development	8-16 y	13	M-Th	June 11-14	9:00 am-12:00 pm	\$190/\$180	Math Monkey
Web Page Development	8-16 y	20	M-Th	July 30-Aug 2	12:30-3:30 pm	\$190/\$180	Math Monkey
Game Development in Python	8-16 y	14	M-Th	June 11-14	12:30-3:30 pm	\$190/\$180	Math Monkey
Game Development in Python	8-16 y	19	M-Th	July 16-19	9:00 am-12:00 pm	\$190/\$180	Math Monkey
Intro to Programming in Scratch	8-16 y	15	M-Th	June 18-21	9:00 am-12:00 pm	\$190/\$180	Math Monkey
Advanced Programming in Python	8-16 y	16	M-Th	June 25-28	12:30-3:30 pm	\$190/\$180	Math Monkey
Web Page Programming	8-16 y	17	M-Th	June 25-28	9:00 am-12:00 pm	\$190/\$180	Math Monkey
Brain Builders (Grades 3-4)	8-9 y	01	M-Th	July 9-12	12:30-2:30 pm	\$125/\$120	Math Monkey
Brain Builders (Grades 5-6)	10-11 y	04	M-Th	July 23-26	10:00 am-12:00 pm	\$125/\$120	Math Monkey
Intro to Multiplication & Division	8-9 y	02	M-Th	July 9-12	10:00 am-12:00 pm	\$125/\$120	Math Monkey
Intro to Multiplication & Division	8-9 y	09	M-Th	Aug 6-9	10:00 am-12:00 pm	\$125/\$120	Math Monkey
Addition & Subtraction	6-8 y	03	M-Th	July 16-19	10:00 am-12:00 pm	\$125/\$120	Math Monkey
Addition & Subtraction	6-8 y	07	M-Th	July 30-Aug 2	12:30-2:30 pm	\$125/\$120	Math Monkey
Addition & Subtraction	6-8 y	10	M-Th	Aug 6-9	12:30-2:30 pm	\$125/\$120	US Toy
Time and Money	6-8 y	05	M-Th	July 16-19	12:30-2:30 pm	\$125/\$120	Math Monkey
Adv Multiplication & Division	9-10 y	06	M-Th	July 23-26	12:30-2:30 pm	\$125/\$120	Math Monkey
Fractions & Decimals	9-10 y	08	M-Th	July 30-Aug 2	10:00 am-12:00 pm	\$125/\$120	Math Monkey
Pre-Algebra	11-12 y	11	M-Th	Aug 6-9	12:30-2:30 pm	\$125/\$120	Math Monkey

**NEW** **Introduction to Programming in Python**  
 Learn the fundamentals of programming and concepts using the Python programming language, the world's most popular programming language and the first language students learn world-wide. Create programs to solve a variety of problems.

**NEW** **Web Page Development**  
 Learn the fundamentals of web page development using HTML5 and CSS3. Discover concepts of design, coding and testing of web pages and be introduced to the JavaScript programming language. Environment: HTML5/CSS3/Notepad++/ Laptop (students may bring their own computer to class).

**NEW** **Game Development in Python**  
 Apply your knowledge of Python to design and develop a popular "Arcade" style game. Be introduced to the Python PyGame library and utilize classes and Sprites to create a game.

**NEW** **Introduction to Programming in Scratch**  
 Learn to program in the popular Scratch programming language. Use the outstanding GUI interface to drag and drop programming statements into the language run-time environment. Learn the fundamentals of programming using this easy to use environment and develop an exciting game by the end of the course.

**NEW** **Advanced Programming in Python**  
 Building on the fundamental Python class, explore more complex concepts including file processing and GUI development. Work individually or in a small team to develop a more substantial program. Previous experience in Python is preferred.

**NEW** **Web Page Programming**  
 Building on the Web Page Development class, learn programming concepts using JavaScript and JQuery to enable them to create complex web pages using Forms, embedded audiovisual elements and database access. It is best to have taken Web Page Development class or some experience with HTML5 and CSS3.

## Brain Builders (Grades 3-4, Grades 5-6)

Through games and puzzles, explore math beyond the numbers. Discover the power of their minds while having a lot of fun. Learn new strategies and become a more confident problem solver with increased critical thinking and logic skills.

## Intro to Multiplication & Division

Be introduced to concepts, facts of multiplication and division along with word problems using these concepts.

## Addition & Subtraction

Use mental strategies to quickly add and subtract numbers and review carries and borrows.

## Time and Money

Learn all aspects of time and money through games and activities. Lessons include telling time, time word problems, counting money, making change and money word problems.

## Advanced Multiplication and Division

Learn traditional and mental multiplication for 2 and 3 digit numbers, traditional long division and mental division techniques, plus both multiplication and division word problems.

## Fractions & Decimals

Learn techniques to add, subtract, multiply, divide fractions and decimals. Learn to convert between fractions, decimals and percents. This class covers fraction and decimal word problems. To get the most benefit, students should have a solid understanding of basic multiplication and division facts.

## Pre-Algebra

Learn pre-algebra concepts including working with positive and negative integers, positive and negative exponents, the real number system, and basic algebraic equations.

# Youth Tech

**Youth Tech Staff • Walnut Room, LCC or Blue Valley Recreation, 6545 W 151st St Overland Park, KS 66223**  
**Min 5 Max 10 • No Class July 4**

Class	Age	Section	Day	Dates	Time	Fee/Res Disc	Location
iGame Creators	6-10 y	01	Tues-Fri	May 29-June 1	10:00 am-12:00 pm	\$135/\$125	BVRC
Video Game Design	10-17 y	02	Tues-Fri	May 29-June 1	1:00-4:00 pm	\$195/\$185	BVRC
The Gaming Academy	10-17 y	03	M, T, Th, Fri	July 2-3, 5-6	9:00 am-4:00 pm	\$350/\$325	BVRC
3D Game Design	10-17 y	04	M, T, Th, Fri	July 2-3, 5-6	1:00-4:00 pm	\$180/\$170	BVRC
iMobile Game Design	6-12 y	05	M, T, Th, Fri	July 2-3, 5-6	9:30 am-12:00 pm	\$130/\$120	LPRD
Robotics - Games, Mazes and Programming	9-14 y	06	M, T, Th, Fri	July 2-3, 5-6	1:00-4:00 pm	\$160/\$150	LPRD



## iGame Creators

Want to create video games? This is an introductory course for younger students who want learn to build simple video games. iGame Creators combines the art of video game design and animation to create interactive characters that fly around the screen. Amaze your friends and family with your fun interactive games. Four - 2 hour sessions.

## The Gaming Academy

An all day course for students who love games! Students will be immersed into the world of 2D and 3D game design. The Gaming Academy is a combination of our Video Game Design, Advanced Game Design, and 3D Game Design courses offering students a variety of hands-on experiences designing and building their very own games. Students are encouraged to bring a sack lunch. Four - 7 hour sessions.

## iMobile Game Design

Sketch, build, play! Do you like to play games on a mobile device? This cutting edge course offers students with a big imagination a place for them to sketch and build their own video games for a mobile platform a reality! This course engages both sides of brain to create fun engaging games for a mobile platform. Four - 2.5 hour sessions.

## Video Game Design

Students are provided with a fun interactive look at the world of video game design and development. Learn the basics and produce several different interactive video games to share with friends and family. Four - 3 hour sessions.

## 3D Game Design

This course offers an interactive look at the world of 3D Game Design. Students will create and immerse themselves in a 3D world. Design professional 3D games that both look and feel just like the ones you play at home. You don't want to miss this course! A great course to follow after Video Game Design. Four - 3 hour sessions.

## **NEW** Robotics - Games, Mazes and Programming

This course offers hands-on opportunities working with robotic Spheros and featuring robotic games, mazes and programming. Designed for creative students who enjoy the challenge of real-world problem solving to help their robot better compete in robotic activities. Limit of 12 students. Four - 3 hour sessions.