$2 for public, free for members, register in advance, ♿ **Kid's Saturday** Meet at Helmerich Discovery Center, Tulsa Zoo

January 12, 10:00-11:00 a.m.

Discovery Club (Ages 3-5) Each child accompanied by an adult, please.

"Squirrels in Winter" What do they eat? Where do they live? We'll talk about the different nuts and berries available in winter and make a shelter for a paper squirrel.

Adventure Club (Ages 6-8) Kid's only, please

"Let's Rock" Bring along your favorite rock to learn about and even play some music!

Junior Naturalist (Ages 9-11) Kid's only, please

"Earth's Foundation" What's that under your feet? Grass, branches, and dirt; yes. But if you look down even farther you will eventually find rocks. We'll take a closer look at rocks that form the foundation of our earth.

February 9, 10:00-11:00 a.m.

Discovery Club (Ages 3-5) Each child accompanied by an adult, please.

"Whose Coat is This?" We will look at study skins from mammals that live in Mohawk Park. Then we'll discuss mammals, play a game, and make a mask to take home.

Adventure Club (Ages 6-8) Kid's only, please

"Deer Valentine" What shape is a deer hoof print? Do deer live here in Mohawk Park? What can we learn about them?

Junior Naturalist (Ages 9-11) Kid's only, please

"Keeping a Nature Journal" We'll visit a nearby wetland still under the grip of winter, absorbing details with our senses. Then we'll use our creativity to record our special observations in a journal. We'll use the journal for the rest of the season to tell our stories of the natural world around us.

Astronomy Programs

$2 for general public, free to members, registration required, open to all ages, ♿
Bring binoculars if you have them, dress warmly,

Wednesday, January 9, "Planets at Dusk" 6:00-7:30 p.m. Sunset: 5:29 p.m. Moonset: 6:32 p.m.
The days are beginning to get a little bit longer now. Some of the first bright objects to appear in the clear winter night sky will not be stars. They will be our neighbors, bolder Mars and pale Mercury. We'll also have a crescent moon to look at with the telescope. Meet at the circle drive on the East side of Lake Yahola

Wednesday, February 20 , "Total Eclipse of the Moon!" 7:00-10:00 p.m. Sunset: 6:11 p.m. Moonrise: 5:44 p.m.
Umbral phase (when you will see a "bite" out of the moon): 7:43 p.m.-11:09 p.m. Totality (when the moon is entirely within the earth's shadow): 9:01 p.m.-9:52 p.m. Location details still to be arranged.

January

5 "Saturday Morning Birding" Ages: All, ♿
Saturday 8:00-9:45 a.m.
Free registration not required

Could this be the time to start a new, healthy and stimulating tradition? Birding is a growing pastime among people of all ages. This fun hobby can be done alone, with family, or with a new group of friends. Join us at the Oxley parking lot and bring binoculars if you have them.

19 "Gourd Containers" Ages: 14 to adult, ♿
Saturday 1:00-3:00 p.m.
$5 for general public $3 for members

Gourds can be made into decorative and useful containers. Use one of our gourds or bring your own. Please clean your gourds before you come. Meet at Redbud Valley.
Please register two days in advance of class.

20 "Full Ice Moon" Ages: All, ♿
Sunday 6:30-8:00 p.m.
$2 for general public Free for members

Join us in the early evening for a brisk walk under a full moon. If the sky is clear of clouds, the night sky will be bright with stars and the glow of the Ice Moon. Be prepared to see your breath and listen to night sounds carry long distances in the cold air. Meet in Oxley parking lot.
Please register two days in advance of class.

26 "Winter Tree Identification" Ages: All, ♿
Saturday 2:00-4:00 p.m.
$2 for general public Free for members

What signs do you look for on a tree to identify it, if it doesn't have a single leaf on it? Come find out what clues to look for. A tree's form, bark, limb arrangement, and habitat tells all kinds of secrets about it. Meet in Oxley parking lot.
Please register two days in advance of class.

February

2 "Saturday Morning Birding" Ages: All, ♿
Saturday 8:00-9:45 a.m.
Free registration not required

Wrap up in your warmest clothes (don't forget those gloves) and join us to see what winged creatures we can find among the trees, brush piles, and grasses. Meet at Oxley parking lot and bring binoculars if you have them.

16 "Redbud Valley Ramble" Ages: All
Saturday 1:00-2:30 p.m.
$2 for general public Free for members

Let's explore the rugged trail and see what surprises the ice storm left behind. Will the first hints of spring be putting in an appearance? Will green shoots of new growth be sprouting forth, attracting the early birds? Meet at Redbud Valley prepared to hike in the cold.
Please register two days in advance of class.

20 "Full Hunger Moon" Ages: All, ♿
Wednesday 6:30-8:00 p.m.
$2 for general public Free for members

For many, the month of February can be the most difficult of all. Spring and its promise of plenty may seem far away. Stores of gathered food are quickly dwindling. Join us at Oxley to see if the hungry are out beneath the full moon, seeking the sustenance of a simple evening meal.
Please register two days in advance of class.

24 "Watching Bird Behavior" Ages: All, ♿
Sunday 2:00-4:00 p.m.
$2 for general public Free for members

If you fill the feeders, they will come. You can use a variety of seeds and feeder types, but don't forget the black oil sunflower. We will observe the variety of birds that visit the feeders outside the large windows at Redbud Valley. Do they all eat the same way? Let's find out by watching their behaviors. Meet at Redbud Valley.
Please register two days in advance of class.