

2019 Kids Program Course Descriptions

Morning (9:00 - 12:00 noon)

Kindergarten - Second Grade

A101 Build a Bat (see PM description) This class will be differentiated for K-2nd grade students. **Class limit: 6 students**

A102 Tinkering with LEGO (see 3-4 PM description) This course will be differentiated for K-2 students.

A103 Animal Engineers Eco-engineers, builders, and experimenters wanted! Science and engineering don't always occur in a lab or a classroom; sometimes they happen in our own backyards. From spiders to bees to beavers, we'll go searching for inspiration from nature's engineers! Experiment with camouflage, replicate safe shelter, and design features necessary to float or fly. * **Dress for the weather – we will spend time outside.** *Instructor:* Jen Heyer has been an Eden Prairie educator since 2001. Her innovative Wilderness Wednesday program brings young students outside for learning one full day a week, year round. She was recently awarded the 2019 Presidential Innovation Award for Environmental Educators and her work has been published in local media.

Third - Fourth Grade

A201 Predator and Prey Play The animal kingdom is full of drama! Picture a lynx chasing a rabbit through the snow, or a peregrine falcon dive-bombing an unsuspecting blue jay. We'll capture this action with creative movement, storytelling, and theatre, all while exploring the complexity of food webs. Let out your wild side! *Instructor:* Robyn Char teaches theatre at New City Charter School and Youth Performance Company. She is also a naturalist and outdoor enthusiast, and holds her K-6 teaching license.

A202 Out of this World Art! (see K-2 PM description) This course will be differentiated for 3-4 students.

A203 Harry Potter Magic and Myth (this is an all day class) Alohomora! Grab your trunk and owls and apparate in to a day at Hogwarts with Professor Anb. Come to Potions to learn the subtle art of potion brewing. Foresee the future in Divination class by reading tea leaves. Learn spells fit for the most skilled witches and wizards in Charms. Create Chocolate Frog Cards. Test your trivia knowledge to win Bertie Bott's Every Flavor Beans. Don't fall asleep in History of Magic! We'll delve in to the mythology behind the H.P. universe, unraveling untold mysteries of the story. *Instructor:* Anna Berntson holds a B.A. in violin performance from Oberlin Conservatory and a M.A. from University of Michigan. As an avid H.P. fan, she's read the books so many times that this course will bring magic to life.

Fifth - Seventh Grade

A301 Strong Moves Students will not only push their flexibility and strength in this class but they will also build their confidence and character. Through a culmination of different styles of dance; Modern, Hip hop, Ballet and West African, STRONGmovement uses movement to tell stories. Artistic director Darrius Strong will work with students to explore the many different ways to mix these dance styles and create their own unique stories. *Instructor:* Darrius Strong is a twin cities based choreographer, dancer, and educator whose creative work has been chosen by numerous professional venues in Minnesota. As a faculty member at local educational institutions, he works with students to connect their identity to movement.

A302 You Hack! (see PM description)

Fourth - Fifth Grade

A502 Hoop It Up! Art! Heritage! Movement! Try Hoop Dancing, a beautiful cultural art form of peoples indigenous to this land. By skillfully dancing in and around symbolic hoops, traditional dancers combine mathematics, astronomy, chemistry, technology and the natural world to gain and share greater understandings of the interconnectedness of all life. In indigenous teachings, students learn by doing. Respect your own roots. Gain confidence to explore the world, and discover how to help each other live happier and healthier lives. *Instructor:* Lumhe Sampson has been dancing since very young. As professional artists aiming to educate as well as entertain, Lumhe and his brother Samsoshe, (the Sampson Bros.) perform their own work, and teach hoop dancing, powwow dance and flute throughout the country.

Sixth - Seventh Grade

A501 Tech Maestro (see 4-5 PM description) This course will be differentiated for 6-7 students.

Afternoon (1:00 - 4:00 p.m.)

Kindergarten - Second Grade

P111 Out of this World Art! Astronomy...asteroids...art! Creativity and outer space combine in this visual art class. Fun NASA facts and figures will guide us to designing our own terrestrial art, or maybe, your own planet! *Instructor:* Kris Holtmeyer returns offering yet another clever, art inspired course. Owner of the on-site based fine arts instructional business Artistic Moments, Ms. Holtmeyer's methods instill confidence via student self expression in artists of all ages, all mediums, any location! This course will be differentiated for K-2 students.

P112 Feathers, Fur, and Fall As the weather gets colder and the days get longer, animals are busy preparing for the chilly winter ahead. Much of the action happens where we can't see it-- underground, in the sky, or in a tree! We'll use creative drama to bring animal characters to life, exploring their amazing cold-weather adaptations with a combination of science and theatre. *Instructor:* Robyn Char teaches theatre at New City Charter School and Youth Performance Company. She is also a naturalist and outdoor enthusiast, and holds her K-6 teaching license.

P113 Animal Engineers (see AM description)

Third - Fourth Grade

P211 Build a Bat Can you see in the dark? Bats can! Can you eat up to 7000 mosquitos in a night? Bats can! Can you sleep upside down? Bats do! Join this class to learn about our nocturnal, mosquito-managing night ranger. Estimate microbat and megabat wingspans. Compare a bat wing to your human hand and humerus. Use symmetry and skill to make a (stationary) model of a bat's flight worthy wing structure. And there's more! *Instructor:* Ruth Carp has taught math and science to K-8 gifted and talented students for more than 30 years at Metropolitan Open School. She's also a sought after tutor for accelerated students as she modifies learning to match student interests, preferences, and styles. This course will be differentiated for 3rd-4th grade students. **Class limit: 6 students**

P212 Harry Potter Magic and Myth (see AM description – this is an all day class)

P213 Tinkering with LEGO Tinkering is a playful approach to creative problem-solving. In this class, students will use LEGO Technic pieces to build in response to engineering challenges. Design a claw that can pick up a pencil. Build a geared contraption. Create a vehicle that can travel down a zipline. Along the way, everyone will learn some things about levers, gears, and pulleys. *Instructor:* Peter Hoh teaches science in informal educational settings such as museums, libraries, and after-school programs. A former schoolteacher, he likes to design hands-on activities that engage curiosity and encourage creativity. He's part of the team that launched the Saint Paul Tool Library, where he continues to play an active role.

Fifth - Seventh Grade

P312 Strong Moves (see AM description)

P313 You Hack! At a time when the world is racked by some of the hardest problems that humans have had to solve, we also find ourselves at the peak of technology, with tools and opportunities that no previous generation has had. In this class, students will briefly explore the big problems that interest them, then spend the remainder of time experimenting with their ideas for possible technological solutions. *Instructor:* Aaron Councilman is a Computer Science major studying at the University of Minnesota – Twin Cities. He learned to program as a child in an effort to make computer games, but has since focused on the abilities of the computer as a powerful problem solving tool. ***Bring your laptop computer to class.**

Fourth - Fifth Grade

P511 Tech Maestro Technology allows people to do many amazing things; you can even create your own professional sounding music in your bedroom using tools like computers, iPads and smart phones. In this class we'll go over the basics of music theory needed for composing, and learn how to use a digital audio workstation (DAW). Then we'll bring it all together as you ready your cool composition for "release." *Instructors:* Jase Ginkel is an elementary music teacher in the Minnetonka school district, and has played and recorded with a variety of bands across Minnesota. Christi Kaehn has a masters degree in curriculum and instruction with a concentration in music, and has taught piano lessons for 24 years. This class will be differentiated for 4th-5th grade students. ***Bring to class your iPad (preferred) or MacBook with GarageBand app installed.**

Sixth - Seventh Grade

P512 Hoop It Up! (see AM description) This course will be differentiated for 6th-7th grade students.

All Kids Program Class Sizes are Limited – Remember to Register Early