

Class:	Description:
<b>3D Printer Tech</b>	Design and create 3D objects using a 3D printer! This course provides a brief history of older manufacturing techniques, an introduction to 3D printers and related processes, and gives students the opportunity to design components using CAD software and create physical objects using one of our 3D printers.
<b>Afternoon Active Games</b>	Our fun fitness duo is back for Fall '22 - 30 minutes before and after our usual class times. These classes, together, count as one class for funding and self-pay purposes (\$150) with a SINGLE associated haiku about living a healthy lifestyle. Students have the option to participate in both classes or just one! The morning session will be a gentle wake-up mix of stretching and light exercise. For this afternoon session, we are planning a variety and sampling of different fitness activities (eg. Bootcamp workouts, cardio drumming, etc).
<b>Around the World</b>	Students will explore several countries, cultures and cities across the globe with fun hands-on activities and crafts.
<b>Ballet, beginning</b>	We'll be learning the fundamentals of Russian style ballet, including stretching, barre, and center floor work. We will lay a good foundation for understanding movement and movement with music. Taught by a former semi-pro ballerina.
<b>Barista: Coffee, Smoothies, Milkshakes</b>	Learn to make popular coffee shop and yummy soda shop drinks. Explore some classics together and also some creative and trendy drinks both hot and frosty.
<b>Biology Lab with Dissection</b>	We will be working in small groups in this fascinating class. Ms. Nicole makes this fun and very educational - it is NOT necessary to take Biology concurrently with our lab as the science and anatomy will be explained prior to each dissection.
<b>Brain Games</b>	A fun, social class where students will explore activities that will increase cognitive abilities, concentration and problem solving through hands on, logic and skill based games.
<b>Butterflies</b>	We plan to raise Monarchs and other types of butterflies to see the growth cycle of these amazing insects up close. We'll have plenty of creative activities and projects to help us learn and retain information!
<b>Cake Pops</b>	In this sweet little Baking class students will have fun together and (of course) practice making yummy baked goods and treats. Students in this class should not have any severe food allergies. We are careful to use alcohol-free vanilla and no lard or other meat products in this class.
<b>Ceramics</b>	Our perennially popular Ceramics class will have new projects to shape, fire, and glaze, and to challenge and dazzle both new and continuing students.
<b>Chess</b>	Mr. Myles' chess class is fun competition for all skill levels, but he does ask that students come knowing how all of the pieces move on the board.
<b>Cooking Adventures - Beyond the basics</b>	Our culinary emphasis for this class will be making delicious foods (of course!) utilizing a wide variety of cooking tools like a pasta maker, falafel maker, bread tubes, fondue, ice cream maker, grain grinder, electric food mill, french fry maker, crepe maker, gnocchi board, noodle drier, spiralizer, dutch oven and even more.
<b>Cosplay</b>	Learn to build your very own props, armor, horns, and much more to complement your cosplay! We will be creating basic to complex elements using professional grade materials and tools.
<b>Eng Jr Build and Play</b>	We will have all new projects for Spring semester! Students develop building and motor skills by using simple tools (eg. a large screw driver) and improve their ability to follow directions and work in a logical, orderly manner.
<b>Escape Room</b>	Using a fun Escape Room format, this class will transport students to different places and countries around the world.. Students will work together to solve cryptic clues and puzzles for unveiling secrets and solving the mystery!
<b>Famous Figures of Ancient Times</b>	Fun and educational play for hands-on learners! Build the Great Pyramid with Khufu. Rule ancient Egypt with Hatshepsut. Fight the Spartans with a Greek hoplite. Ride with Hannibal and his war elephants as he tries to defeat the Romans. In this class, history will come to life, creating card stock action figures and other crafts and activities.
<b>Fiber Arts</b>	Students will learn the art of spinning, knitting, crochet and weaving through a series of projects including a knit washcloth, a crochet scrubber and a woven potholder.
<b>Gelli Plate Printing</b>	Do you love surprises? Love playing with paint in different ways? Try our Gelli Plate class! Gelli Plate Printing uses a special gelatin (Like a super stiff piece of jello!) as a surface for your paint. You can use paint brushes, a brayer (like a rolling pin with a different handle), or objects like stencils and leaves to press into the paint on the Gelli Plate. Then, you can lay paper, fabric, or other objects on the plate to pull off the paint and make prints. Both crafters and professional artists use Gelli Plates now to make a surprising number of projects. Discover a whole new way to make amazing art!
<b>Guitar</b>	Our Guitar class is open to new or continuing students in the Fall! Come learn with us and make some music. We plan to have a short group performance at the end of the semester.
<b>Human Body Projects</b>	Learn about major systems of the body with a hands-on, creative approach. Ms. Catherine always plans fascinating projects and this one will not disappoint. This class will NOT be covering the reproductive system - parents can do that one at home. :-)
<b>Imagination Station</b>	Ms. Rasha will read aloud from classic and award-winning literature while our young students quietly play with manipulatives, building blocks, modeling clay, or other imagination-based products. The remaining part of class will include hands-on crafts, games or activities related to the literature reading to further encourage the imagination.
<b>Karate</b>	Open to new students, our continuing Karate class now has opportunities to test for different belts. Uniform available to purchase at cost, but NOT required!
<b>LEGO Chain Reactions</b>	Design and build moving machines! In a chain reaction, one thing leads to another, which leads to another, which leads to another, which...well, you get the idea. We will be using LEGOs to build ten awesome machines that can be combined to make dozens of different chain reactions that use many steps to accomplish. Your machine could toss a gum wrapper into the trash, amuse your dog, deliver a message, ring a bell and more.

<b>Lunch Counter</b>	Understanding and handling money properly is very important. So plan to have some fun with money skills! The activities you do will include problem solving, estimating costs, managing an inventory, filling orders, and making change while you do real life tasks at a snack counter during our school lunch period. (Profits, in the past, have been used to purchase laptops, renovate a corner of kitchen for our Lunch Counter, and purchase rolling cabinetry for Harbor storage.)
<b>Magic School Bus</b>	Hands-on Science adventures with everyone's favorite Ms Frizzle. This was a favorite 5 years ago and we're bringing it back for a new group of young students!
<b>Magic/Juggling/Performing</b>	Learn juggling and magic! Students will learn foundational juggling patterns, starting with the basic three-ball pattern, the cascade. In this class we cover everything from correct technique to how to create your own tricks and routines. See why this ancient sport offers not only incredible fun, but also stress relief and cardiovascular exercise. In the magic portion, students will learn card basics, sleights, card tricks, card flourishes, and how to perform! At the end of the semester, students will be able to take home their new juggling balls and cards to impress their friends and family with a performance of their new skills!
<b>Making Healthy Snacks</b>	Students with serious food allergies should NOT take this class. Together, we will make a variety of simple, healthy snacks each week while we talk about nutrition and health, and round out our time with some fun activities.
<b>Math Games &amp; Critical Thinking</b>	This class will reinforce and enhance what your child is learning in a core math class. Through games and fun activities we will be exercising and strengthening logic and reasoning skills. Lessons will also be designed to help children find or increase enjoyment in mathematics and related subjects.
<b>Meteorology</b>	Learn about forecasting the weather from an actual meteorologist (Mr Myles). This is a hands-on perennial favorite and our students love it AND learn so much.
<b>Morning Stretch</b>	Our fun fitness duo is back for Fall '22 - 30 minutes before and after our usual class times. These classes, together, count as one class for funding and self-pay purposes (\$150) with a SINGLE associated haiku about living a healthy lifestyle. Students have the option to participate in both classes or just one! This morning session will be a gentle wake-up mix of stretching and light exercise. Those in the afternoon session will play a variety of active games, outdoors whenever possible.
<b>Musicals</b> (aka Everything I needed to know I Learned from Musicals)	Learn about History through drama! We'll have loads of fun as we engage in musicals that take place in different historical settings.
<b>Mystery Science</b>	This popular class returns, seeking answers on various science topics in a fun, engaging, hands-on format.
<b>Ninja Warrior</b>	Tuesday classes will be held at <b>Athletika</b> Fitness in Livonia. Students will have a blast as they train on obstacle courses and work on skills such as speed and agility training. <i>NEW for Fall '22:</i> Friday classes at <b>Gripz Gym</b> off 8 Mile and Telegraph. "Rock climbing" on a large wall is a special emphasis at Gripz.
<b>Piano</b>	Using Piano keyboards, students will learn Piano playing basics in a small group setting with a simple group performance at Showcase. (Piano or keyboard needed at home for practicing - Harbor provides Keyboards for in-class use.) We buy your first book for you.
<b>PrintMaking</b>	Printmaking is a fascinating process that allows the artist to make multiple original works of art. It involves creating a design on one surface that is then transferred to another surface, usually paper or cloth. In this class we will explore different methods of printmaking
<b>Roller Coaster Science</b>	Learn some of the science and history behind rollercoasters. In class we will build our own roller coasters with different kits and materials. We will be strengthening our logic skills as well!
<b>Shakespeare</b>	Students will be introduced to the wonderful world of Shakespearean theater. Students will have input as to which play will be performed!
<b>Story Time Art</b>	Our creative Ms. Catherine will read beautiful literature to our young class and then students will create gorgeous works of art influenced by the subject of our reading.
<b>Tasting History</b>	American history through your tastebuds. While there would be some simple cooking, like popcorn or ice cream, the emphasis of the labs would focus on eating and experiencing the food. One experience may be comparing fresh to frozen to canned vegetables, how the technology changed, how people ate different foods and the impact on history.
<b>Team Challenge</b>	This popular class returns to engage students in challenging group activities (often outdoors) that help build unity, teamwork, community, and improved group dynamics. The tasks often seem impossible at first, and require planning, problem solving, and group coordination. Leadership and communication skills are developed in each student as they learn to work together to solve and accomplish each team challenge.
<b>The Hobbit Studies</b>	This fun Literature class will use The Hobbit as our basis of group study. Besides literary activities, we will enjoy discussing the book, sometimes highlighting pivotal scenes with clips from the movie. We will reinforce concepts with fun activities and possibly host a Hobbit Movie night as a bonus activity! Students will need to obtain a copy of the book.
<b>Violin</b>	Come have a blast learning to play the violin in a small group setting! New and continuing students are welcome to take this class in the Fall. Our new instructor, Mr. Joseph, will be continuing with the Suzuki Method. We will have a group performance at Showcase!
<b>Vocal Music</b>	A choir that will perform at showcase!
<b>Watercolors</b>	Young students will be introduced to materials and equipment related to painting with watercolors. We will experience color mixing - how to make new colors from mixing two colors. We will try wet-in-wet and wet-on-dry painting, splatter painting and several other fun techniques. The goal of this class is for students to enjoy the creative process and is especially suitable for those students who think they can't paint or draw.
<b>Wild Kratts Creatures</b>	A creative science class based on the Wild Kratts Creatures shows where our students will have fun learning about different animals and their amazing adaptations.