

## COURSE CATALOGUE HANCOCK 2018-2019

**All courses in the Discovery Center catalogue are available to all students in the CLK school district.**

COURSE	DESCRIPTION	INSTRUCTOR	AGE GROUP	DAY & TIME	COURSE LENGTH
Build: Intro to Build I	Learn how to follow basic instructions, the use of simple hand tools, and learn how to use fasteners and adhesives correctly. Examples: Shop Safety Basics, Assembly of premade wooden structures(bird homes, wooden cars/trucks), other decorative or small trinkets or toys, and simple flying machines. Learn how to plan and complete the build process.	Matt Boersma & Sergio Buoniconti	5-7	TH-10-10:50	S1, S2, Year Long
Nature & Survival I	Break through the wall of green, you too can become a naturalist! Most of us are really tourists in our own backyards. This class will guide students how to learn and understand the landscape around them through observation, journaling, and nature based play.	Brian Rajdl	5-7	M-10-11:30 and W-10-11:30	Year Long
Robotics JR	Students will learn about gears, levers, motors and simple machines using the new Lego WeDo kits. Each week the students will work through a set of Lego instructions with the Instructor and then program them to come alive. Each of the models are designed to inspire and teach a new concept in robotics. This entry level class is a fun and hands on way to learn about robotics, programming.	Adam Kausch	5-7	M-2:30-3:20	Year Long
Art - Famous Artists and their Work I A	Each week we will focus on learning about, appreciating, and creating art in the style of different notable artists such as Michelangelo, Leonardo da Vinci, Paul Klee, Mary Cassatt, Picasso, O'Keeffe, Rockwell, and more.	Kristy Beutler	5-7	Not Running	S1, S2, Year Long
Art - Famous Artists and their Work I B	Each week we will focus on learning about, appreciating, and creating art in the style of different notable artists such as Michelangelo, Leonardo da Vinci, Paul Klee, Mary Cassatt, Picasso, O'Keeffe, Rockwell, and more.	Kristy Beutler	5-7	Not Running	S1, S2, Year Long
Art - Open Studio I	This will be free studio time to make whatever students want, with instructor assistance as requested. Instructor will have age appropriate project ideas ready for students who may need motivation. Come and explore in different mediums at your own pace.	Kristy Beutler	5-7	M- 11-11:50 1:30-2:20 T- W-9-9:50	S1, S2, Year Long
Art for Beginners I A	Delve into great beginning art projects that cover a variety of mediums.	Kristy Beutler	5-7	M-12:30-1:20	S1, S2, Year Long

Art for Beginners I B	Delve into great beginning art projects that cover a variety of mediums.	Kristy Beutler	5-7	Not Running	S1, S2, Year Long
Build Open Studio I	Open shop for those with motivation to design and create, who want to gain access to materials, and/or just to get familiar and better skills with tools in work the shop environment. Learn and practice safety in the build room, allow the free flow of imagination, and build the experience to accomplish personal goals.	Matt Boersma & Sergio Buoniconti	5-7	W-12:30-1:20	S1, S2, Year Long
Creative Movement for Theatre I	Students will have opportunities to learn and apply the fundamentals of basic creative movement skills through exploration while learning to apply several genres of dance and movement including jazz, ballroom, contemporary, dance improvisation, choreography, stage combat, and an introduction to theatre application. Students will have opportunities to create movement and apply it to building life skills. Along with learning dance technique, classes will include work in body strength, flexibility, creativity, improvisation, group commitment, and problem solving while stressing expression and positive interaction with others.	Deborah Choszczyk	5-7	T-11-11:50	Year Long
General Music I A	Introductory level instruction aimed to develop tonal, rhythmic, and analytical skills in music. Students will be able to sing within the context of a key, remain on pitch, and use a healthy singing voice. Students will be able to read, compose, and perform basic rhythms. Students will be able to discuss, identify, and understand basic music concepts.	Carly Jakrzewski	5-7	Not Running	S1, S2, Year Long
General Music I B	Introductory level instruction aimed to develop tonal, rhythmic, and analytical skills in music. Students will be able to sing within the context of a key, remain on pitch, and use a healthy singing voice. Students will be able to read, compose, and perform basic rhythms. Students will be able to discuss, identify, and understand basic music concepts.	Carly Jakrzewski	5-7	T-9-9:50 and TH-9-9:50	S1, S2, Year Long
Hurray for Positivity and Kindness! I	Kids will develop great listening and comprehension skills and more, while, each week, hearing a fun, age appropriate book, encouraging kindness, thoughtfulness, sharing, manners, positive thinking, and more. Be a part of this fun class. After listening to a fun book, we'll discuss the theme of the book and learn comprehension skills. After that, we will have a fun activity or hands on project, that will reinforce the positive message.	Dee LaCasse	5-7	Not Running	S1, S2, Year Long
Martial Arts I A	Introductory Martial Arts instructions at the center	Dan Choszczyk	5-7	T-11-11:50	Year Long
Martial Arts I B	Introductory Martial Arts instructions at the center	Dan Choszczyk	5-7	T-3:30-4:15	Year Long
Sewing Early Beginner	Course Description Available at Registration	Dee LaCasse	5-7	Not Running	Year Long

Sewing Beginner I	<p>Build self confidence and self esteem while strengthening fine motor skills and social skills, with ALL NEW sewing activities and projects. We'll be sewing by hand, learning about fabrics, making and using patterns of all kinds, and even do some machine sewing and ironing, as your child's skills progress, with your child's safety in mind.</p> <p>We will focus on:</p> <ol style="list-style-type: none"> <li>1. Develop fine motor skills</li> <li>2. Develop hand/eye coordination</li> <li>3. Develop good listen and do skills</li> <li>4. Gain confidence</li> <li>5. Gain self esteem</li> </ol>	Dee LaCasse	5-11	Not Running	Year Long
Service Learning	<p>The goal of Service Learning is to instill the fact that even small acts of good, compassion and kindness can have huge impacts for good in ourselves and others around us. Students will work collaboratively to identify needs in our community and brainstorm ways to fill those needs. The class will identify and record our "bank" of resources including budget, talents, materials etc to facilitate the comparison of community needs and resources available to fill those needs. Center-based service projects will be completed for a variety of local organizations. Some of the organizations that are being considered for service are: Little Brothers, Love INC, Animal shelter, local foster care agencies, hospitals and nursing homes. Students will record their service and observations on their positive impacts in a journal.</p>	Theresa Shebby	5-11	M-1-2:30	S1, S2, Year Long
Art II	<p>Drawing is a skill that can be improved with practice. Exercises in contour drawing, value, positive/negative space, contour drawing, and a variety of of drawing materials will help students not only draw what they see in the world more accurately, but also to use those new skills to draw what they see in their minds.</p>	Kristy Beutler	8-11	TH-1:30-2:20	S1, S2, Year Long
Build II: The shop experience	<p>Learn to use some advanced hand tools, intro to low level power tools, and intro to the design process. Examples: Shop Safety, build from given examples(small treasure chests/jewelry boxes), build a simple sound creating instrument, and build a kinetic energy powered flying machine. Learn how to troubleshoot and solve.</p>	Matt Boersma & Sergio Buoniconti	8-11	W-1:30-3	S1, S2, Year Long
Computers: Intro to Computers II	<p>Learn the path of modern technology through exploration and hands on experience. Develop proper typing techniques and essential navigation of a computer. Create a Powerpoint journal to document progress while learning about the parts and functionality of different computers and technology. Students will use Photoshop and paint programs to segway into learning the use of printers, scanners, and eventually the Cricut printer. Students will see this as a creative outlet for a plethora of arts and crafts projects. Combine that with a few tinkering projects using electricity and student's won't notice they learned about career opportunities in technology.</p>	Ernie Beutler	8-11	W-10-10:50	Year Long

Cooking Intermediate A	<p>This is a basic cooking class. We will focus more on knife skills and stove skills than in Cooking I. We will learn about local foods, world foods, and nutrition. Students in Cooking II will work more independently than those in Cooking I. For example, they may work in pairs to follow and complete a recipe. The main event of the class will be the restaurant that will take place towards the end of the semester. Students may also participate in a bake sale. The class will have an assistant, and will include guest instructors and field trips. Students in cooking II will be expected to practice their skills at home, and they generally want to! The goals of Cooking II are: that the students leave the class with increased knowledge of food nutrition and world cuisine, that they have mastered three basic knife skills, that they can cook one meal from start to finish, they can wash dishes, and they can follow and complete a recipe. Most importantly I hope to foster a love of real food and cooking with the students in my class.*</p>	Emily Svenson	8-11	W-10:15 to 11:45	S1, S2, Year Long
Robotics	<p>Students utilize the powerful Lego Mindstorms EV3 robotics platform along with the versatility of Lego to build robots to learn the basics of automation, programming, and mechanical design. Each project we do builds up starting with basic building and learning how to program the robots followed by learning how to build effectively and robustly with the Lego pieces to build complex mechanisms. Lessons introduce controlling motors to rotate wheels for movement and to operate a robotic arm, installing and incorporating sensors into robotic builds to collect sensory input: data for sound, distance, sight and touch.</p>	Adam Kausch	8-11	M-3:30-4:20	Year Long
Cooking Intermediate B	<p>This is a basic cooking class. We will focus more on knife skills and stove skills than in Cooking I. We will learn about local foods, world foods, and nutrition. Students in Cooking II will work more independently than those in Cooking I. For example, they may work in pairs to follow and complete a recipe. The main event of the class will be the restaurant that will take place towards the end of the semester. Students may also participate in a bake sale. The class will have an assistant, and will include guest instructors and field trips. Students in cooking II will be expected to practice their skills at home, and they generally want to! The goals of Cooking II are: that the students leave the class with increased knowledge of food nutrition and world cuisine, that they have mastered three basic knife skills, that they can cook one meal from start to finish, they can wash dishes, and they can follow and complete a recipe. Most importantly I hope to foster a love of real food and cooking with the students in my class.*</p>	Emily Svenson	8-11	Not Running	S1, S2, Year Long

How Things Work II	This is a hands-on problem-solving based approach to learning how things work. This class will go through the various engineering fields learning what makes each one of them unique and the importance they play in the world around us. Each week students will complete projects related to engineering and the world around us, building bridges, assembling circuits, Analyzing the environment and so much more. This class will strengthen problem solving, critical thinking and teamwork through fun and challenging projects.	Adam Kausch	8-11	TH-2:30-3:20	S1, S2, Year Long
iPad II	Students will learn some of everything the iPad has to offer; some educational apps, some creative apps, a few ways for journal and note keeping. Students are taught overall internet safety as well as online etiquette. There will be focus on movie projects and learning the adobe apps. Also, to help make informed choices about similar technologies and apps, the students will have debates and make short presentations. Some of the learning objectives will include team-building group projects through minecraft applications.	Ernie Beutler	8-11	M-10-10:50	S1, S2, Year Long
Project Based Learning	In this elective, students have the time to tackle larger projects for themselves, our center, and our community. An integrative learning approach incorporates project management skills, organization, and communication skills.	Brian Rajdl	8-11	T-10-2:20 TH-10-2:20	Year Long
Who Am I? II	Who Am I, 8-11 is a program of self discovery for young adolescents. We will focus on discovering our true self and staying connected to who we are. As students begin to embrace their true selves, they will find their voices and inner strengths, and understand the importance of connecting to the world around them. Through group dynamics, students will be empowered to grow, change, face challenges, celebrate strengths, and build close relationships with peers in a safe and confidential setting.	Teresa Prisco	8-11	T-2:30-3:20	S1, S2, Year Long
Art - Famous Artists and their Work II	Each week we will focus on learning about, appreciating, and creating art in the style of different notable artists such as Michelangelo, Leonardo da Vinci, Paul Klee, Mary Cassatt, Picasso, O'Keeffe, Rockwell, and more.	Kristy Beutler	8-11	Not Running	S1, S2, Year Long
Art - Open Studio II	This will be free studio time to make whatever students want, with instructor assistance as requested. Instructor will have age appropriate project ideas ready for students who may need motivation. Come and explore in different mediums at your own pace.	Kristy Beutler	8-11	Not Running	S1, S2, Year Long
Build Open Studio II	Open shop for those with motivation to design and create, who want to gain access to materials, and/or just to get familiar and better skills with tools in work the shop environment. Learn and practice safety in the build room, allow the free flow of imagination, and build the experience to accomplish personal goals.	Matt Boersma & Sergio Buoniconti	8-11	F-10-11:30	S1, S2, Year Long

Creative Movement for Theatre II	Students will have opportunities to learn and apply the fundamentals of basic creative movement skills through exploration while learning to apply several genres of dance and movement including jazz, ballroom, contemporary, dance improvisation, choreography, stage combat, and an introduction to theatre application. Students will have opportunities to create movement and apply it to building life skills. Along with learning dance technique, classes will include work in body strength, flexibility, creativity, improvisation, group commitment, and problem solving while stressing expression and positive interaction with others.	Deborah Choszczyk	8-11	T-3:30-4:20	Year Long
Entrepreneurship II	Learn the mechanics of beginning and building a new business. Hands on learning includes a big project of starting a Discovery Center store.	TBD	8-11	Not Running	Year Long
Furniture Restoration II	In this furniture restoration course, students will learn the basic principles and techniques for restoring multiple types of materials and creating do-it-yourself professional décor. Students will learn what makes antiques unique to their time periods and how to keep the integrity of historical pieces of furniture while updating them in a way that suits their aesthetic. Students will become familiarized with developing the talent of looking at something old and making it feel new again. Whether it's with wood, fabric, metal, or other materials, students will be provided age appropriate guidance and step-by-step procedures in creating beautiful pieces.	Teresa Prisco	8-11	Not Running	Year Long
General Music II A	Intermediate level instruction aimed to develop tonal, rhythmic, and analytical skills in music. Students will be able to sing within the context of a key, remain on pitch, and use a healthy singing voice. Students will be able to read, compose, and perform rhythms in a variety of meters. Students will be able to discuss, identify, and understand more complex music concepts.	Carly Jakrzewski	8-11	M- 2:30-3:20 and W-2:30-3:20	S1, S2, Year Long
General Music II B	Intermediate level instruction aimed to develop tonal, rhythmic, and analytical skills in music. Students will be able to sing within the context of a key, remain on pitch, and use a healthy singing voice. Students will be able to read, compose, and perform rhythms in a variety of meters. Students will be able to discuss, identify, and understand more complex music concepts.	Carly Jakrzewski	8-11	T-2:30-3:20 and TH-3:45-4:25	S1, S2, Year Long
Hurray for Positivity and Kindness! II	Kids will develop great listening and comprehension skills and more, while, each week, hearing a fun, age appropriate book, encouraging kindness, thoughtfulness, sharing, manners, positive thinking, and more. Be a part of this fun class. After listening to a fun book, we'll discuss the theme of the book and learn comprehension skills. After that, we will have a fun activity or hands on project, that will reinforce the positive message.	Dee LaCasse	8-11	Not Running	S1, S2, Year Long
Martial Arts II	Introductory Martial Arts instructions at the center	Dan Choszczyk	8-11	T-12:30-1:45	Year Long

Nature & Survival II	Break through the wall of green, you too can become a naturalist! Most of us are really tourists in our own backyards. This class will guide students how to learn and understand the landscape around them through observation, journaling, and nature based play.	Brian Rajdl	8-11	M-12:30-2 and W-12:30-2	Year Long
Newsteam II	Be part of a team of students who scripts, shoots and posts videos about the Discovery Center's activities and events on our website. Develop imagination, interviewing skills, speech and teamwork.	TBD	8-11	M-1:30-2:20	S1, S2, Year Long
Outdoor Sportsmanship II	Conservation, wilderness, hunting, fishing, and camping are some of Michigan's greatest resources. This outdoor class will use several DNR curriculums and other programs blended with other skills to engage students in outdoor sportsmanship. The Archery in the Schools program will safely introduce students to target shooting, and Explore Bowhunting will develop the skills to start bow hunting, even if they are not ready to hunt. Michigan Fishing will introduce students to our states fisheries and aquatic management along with basic fishing equipment and techniques explained so every kid can get out and fish. Michigan Conservation will highlight what Michigan is doing to sustainably manage its natural resources. Michigan Hiking and Camping will highlight safe hiking practices and locations and cover the gear needed to campout in our states public lands with the goal of students planning and participating in several overnight campouts. Gratiot Lake Nature Conservancy will serve as a field station for some our field trips and overnights. Class is held in the yurt outdoor classroom.	Brian Rajdl & Mark Romanski	8-11	M-2:30-4:20	Year Long
Passion Project II	Students, if you are curious about a certain topic and want the resources to fully engage your brain, we have the support you need. Bring your idea to this course and mentors and coaches will help you create a step-by-step approach to advancing your project. Supplies, support and motivation will help students keep on track. Whether it is making a movie, learning about world hunger, starting a business, or becoming an architect, no topic is off limits.	Paul Sajdak, Susan Nielsen	8-11	Not Running	S1, S2, Year Long
DIY Projects	In this fun and interesting class students will discover ways to make their own DIY projects. Slime, soaps, bird feeders, wizard wands, windsocks, mason jar lanterns, balloon rockets, clay jewelry, 3d art, dreamcatchers, seasonal projects and so much more! Each project will be accompanied by a step by step to do sheet for future fun as well as facts about the project, it's origins, and significance.	Teresa Prisco & Odyssey Hawkins	8-15	W-12:30-1:30	S1, S2, Year Long
Minecraft	Using lesson plans from education resources, students will spend time in the world of Minecraft collaborating on environmental projects, practicing coding, and exploring various political and economic systems. Time for free creative play will happen at the end of class time.	Ernie Beutler & Adam Kausch	8-15	TH-3:30-4:20	S1, S2, Year Long

Cheerleading	Our Discovery Center Turtles Cheerleaders will bring the fire and amp up school spirit through a learned combination of stunts, cheers, chants, jumps, dances and performances. With a heavy focus on leadership, safety, technique and team building skills, our cheerleaders will learn what it takes to be peer ambassadors, spirit raisers, athletes and entertainers.	Teresa Prisco	8-18	W-4-5:30	S1, S2, Year Long
Robotics Team II	<b>FLL team robotics for ages 9-11</b> - We will be competing in the FIRST FLL competition in the fall semester, using EV3 Lego robotics kits in teams of 3 to 6 students. This class uses the knowledge gained from robotics I and adds a level of competition to it. Each year the team gets a new challenge where they have to build and program the robot to complete as many tasks as they can. At the end in November the team will compete against other local elementary teams. This high energy competition is a great way to expand your robotics capabilities and learn new problem solving techniques.	Adam Kausch	9-11	W-2:30-3:20	S1
Robotics Team III	<b>FLL team robotics for ages 12-14</b> - We will be competing in the FIRST FLL competition in the fall semester, using EV3 Lego robotics kits in teams of 3 to 6 students. This class uses the knowledge gained from robotics I and adds a level of competition to it. Each year the team gets a new challenge where they have to build and program the robot to complete as many tasks as they can. At the end in November the team will compete against other local elementary teams. This high energy competition is a great way to expand your robotics capabilities and learn new problem solving techniques.	Adam Kausch	12-14	W-3:30-5	S1
iPad III	iPad will focus on creativity and productivity. Introduce coding via Scratch. We will use Keynote, Numbers, Pages, iMovie, assorted Adobe apps, stopmotion. Design and make T-shirts using Cricut. Take to the sky with flight simulators and Google earth. We will cover proper and use of email social networks and general internet safety. Students learn how to navigate podcasts, ebooks, and youtube to find the info need for any DIY project.	Ernie Beutler	12-15	W-12:30-1:20	S1, S2, Year Long
Art III	Drawing is a skill that can be improved with practice. Exercises in contour drawing, value, positive/negative space, contour drawing, and a variety of of drawing materials will help students not only draw what they see in the world more accurately, but also to use those new skills to draw what they see in their minds.	Kristy Beutler	12-15	TH-2:30-3:20	S1, S2, Year Long
Build III: Build the skills	Hone hand tool skills and low level power tools, intro to high level power tools(router, table saw, planer). Advance the design process and encourage free thinking and creativity. Examples: Shop safety, build a bookshelf, build a sound machine, build a propulsion powered rocket, hardware store scavenger hunts for parts and supplies. Learn and begin to get familiar with building materials.	Matt Boersma & Sergio Buoniconti	12-15	M-3:30-5	S1, S2, Year Long

Computers Intermediate	<p>Delve under the hood and take computers apart piece by piece to learn how and why modern computers work. Students will take a trip back in time to see how computers have changed over the years. Students will learn how to budget build a complete pc system. Later in the course, using introductory level coding, we will do group and solo Unity projects to build computer games from the ground up. Students will discuss pros and cons of different operating systems and different competing technologies. Students will also explore Raspberry Pi starting with new systems and learning some of the many things they can do.</p> <p>-Basic knowledge of computers strongly suggested.-</p>	Ernie Beutler	12-15	Not Running	Year Long
Creative Movement for Theatre III	<p>Students will have opportunities to learn and apply the fundamentals of basic creative movement skills through exploration while learning to apply several genres of dance and movement including jazz, ballroom, contemporary, dance improvisation, choreography, stage combat, and an introduction to theatre application. Students will have opportunities to create movement and apply it to building life skills.</p> <p>Along with learning dance technique, classes will include work in body strength, flexibility, creativity, improvisation, group commitment, and problem solving while stressing expression and positive interaction with others.</p>	Deborah Choszczyk	12-15	T-12:30-2	Year Long
Entrepreneurship III	<p>Learn the mechanics of beginning and building a new business. Hands on learning includes a big project of starting a Discovery Center store.</p>	TBD	12-15	TH-10-11:30	Year Long
How Things Work III	<p>This is a hands-on problem-solving based approach to learning how things work. This class will go through the various engineering fields learning what makes each one of them unique and the importance they play in the world around us. Each week students will complete projects related to engineering and the world around us, building bridges, assembling circuits, Analyzing the environment and so much more. This class will strengthen problem solving, critical thinking and teamwork through fun and challenging projects.</p>	Adam Kausch	12-15	Not Running	S1, S2, Year Long
Martial Arts III	<p>Introductory Martial Arts instructions at the center</p>	Dan Choszczyk	12-15	T-2-3:15	Year Long
Passion Project III	<p>Students, if you are curious about a certain topic and want the resources to fully engage your brain, we have the support you need. Bring your idea to this course and mentors and coaches will help you create a step-by-step approach to advancing your project. Supplies, support and motivation will help students keep on track. Whether it is making a movie, learning about world hunger, starting a business, or becoming an architect, no topic is off limits.</p>	Paul Sajdak, Susan Nielsen	12-15	M-2:30-4	S1, S2, Year Long

Who Am I? III and IV	Who Am I, 12 + is a program of self discovery. The first semester will focus on discovering OUR true selves and staying connected to who we are. As students learn to embrace their true selves, they will find their voices and inner strengths, and understand the importance of connecting to the world around them. Through group dynamics, students will be empowered to grow, change, face challenges, celebrate strengths, and build close relationships with peers in a safe and confidential setting. This semester is highly regimented and builds upon lessons learned from every week.	Teresa Prisco	12-15	M-2:30-4	S1, S2, Year Long
Photography	This class will explore the basic techniques and artistic concerns involved in making photographs. Using a combination of Lecture, Guest Speakers, Field Trips, and in-class workshops, students will learn the technical aspects of using a camera, concepts of composition, lighting use and management, digital editing, and portfolio creation. Students taking the class must have a digital camera with aperture priority, shutter priority, and exposure compensation settings (SLR preferred but some point-and-shoot and cell phones have those options as well).	Sergio Buoniconti	12-18	M-10-11:30	S1, S2, Year Long
Trek	This is an amazing self development course that harnesses the power of a group setting to build self-confidence in students, as well as learn how to set and achieve goals, help others, and breeds self management in all aspects of life.	Tanya Sajdak	12-18	Not Running	Year Long
Art - Famous Artists and their Work III & IV	Each week we will focus on learning about, appreciating, and creating art in the style of different notable artists such as Michelangelo, Leonardo da Vinci, Paul Klee, Mary Cassatt, Picasso, O'Keeffe, Rockwell, and more.	Kristy Beutler	12-18	TH-12:30-1:20	S1, S2, Year Long
Build Open Studio III & IV	Open shop for those with motivation to design and create, who want to gain access to materials, and/or just to get familiar and better skills with tools in work the shop environment. Learn and practice safety in the build room, allow the free flow of imagination, and build the experience to accomplish personal goals.	Matt Boersma & Sergio Buoniconti	12-18	TH- 1-4	S1, S2, Year Long

Cooking Advanced A	<p>The main focus of the Cooking III class is to prepare students for independence. I want to make sure that these teens can follow a recipe, have basic knife skills down, and can cook a balanced meal. We will have field trips and guest instructors, and we will learn about nutrition and world cuisine. Cooking III will focus on the basics, but will also give students additional culinary skills such as whipping egg whites, practicing advanced knife techniques, and making more diverse dishes such as Indian food or sushi rolls. This class will involve cooking with help, independently following recipes, recipe creation, meal planning, and budgeting for food. I expect the students in Cooking III to cook at home for their families. I want to know that these kids feel confident cooking healthy meals, making their own 'convenience foods,' and planning and budgeting for meals. The main events of this class will be the restaurant and a bake sale or a pizza sale. This class aims to give kids the life skills to cook and shop, and to foster a love for real food.</p>	Emily Svenson	12-18	W-2:30 to 4:00	S1, S2, Year Long
Cooking Advanced B	<p>The main focus of the Cooking III class is to prepare students for independence. I want to make sure that these teens can follow a recipe, have basic knife skills down, and can cook a balanced meal. We will have field trips and guest instructors, and we will learn about nutrition and world cuisine. Cooking III will focus on the basics, but will also give students additional culinary skills such as whipping egg whites, practicing advanced knife techniques, and making more diverse dishes such as Indian food or sushi rolls. This class will involve cooking with help, independently following recipes, recipe creation, meal planning, and budgeting for food. I expect the students in Cooking III to cook at home for their families. I want to know that these kids feel confident cooking healthy meals, making their own 'convenience foods,' and planning and budgeting for meals. The main events of this class will be the restaurant and a bake sale or a pizza sale. This class aims to give kids the life skills to cook and shop, and to foster a love for real food.</p>	Emily Svenson	12-18	Not Running	S1, S2, Year Long
Dungeons & Dragons	<p>Start an Odyssey of mystery, magic and combat through the popular game Dungeons and Dragons. Led by an instructor, students will explore and develop skills in creativity, problem-solving, communication, collaboration, improvisation.</p>	Ernie Beutler	12-18	W-1:30-3:30	Year Long
Forensics	<p>This class will look into the science and technology used to solve crimes. We will learn about techniques, tools, and the science behind how they work. This class will also include some fun mysteries where students will take the concepts learned in the class and apply them to simulated crime scenes. We will cover topics like; fingerprinting, DNA Analysis, counterfeiting, forensic video analysis, and more. In addition to forensic information we will discuss the criminal justice system, things like laws, courts, rights, and other basic law related topics</p>	Adam Kausch	12-18	W-4:30 to 5:30	S1, S2

Furniture Restoration III & IV	In this furniture restoration course, students will learn the basic principles and techniques for restoring multiple types of materials and creating do-it-yourself professional décor. Students will learn what makes antiques unique to their time periods and how to keep the integrity of historical pieces of furniture while updating them in a way that suits their aesthetic. Students will become familiarized with developing the talent of looking at something old and making it feel new again. Whether it's with wood, fabric, metal, or other materials, students will be provided age appropriate guidance and step-by-step procedures in creating beautiful pieces.	Teresa Prisco	12-18	M-12:30-2	Year Long
General Music III	Music instruction using project based learning to develop skills in vocal technique, composition, and performance. Students will build on skills learned in previous years of music instruction.	Carly Jakrzewski	12-18	TH- 10-10:50 F- 10-10:50	S1, S2, Year Long
Newsteam III	Be part of a team of students who scripts, shoots and posts videos about the Discovery Center's activities and events on our website. Develop imagination, interviewing skills, speech and teamwork.	TBD	12-18	W-10-10:50	S1, S2, Year Long
Newsteam IV	Be part of a team of students who scripts, shoots and posts videos about the Discovery Center's activities and events on our website. Develop imagination, interviewing skills, speech and teamwork.	TBD	12-18	TH-2:30-4	S1, S2, Year Long
Outdoor Sportsmanship III and IV	Conservation, wilderness, hunting, fishing, and camping are some of Michigan's greatest resources. This outdoor class will use several DNR curriculums and other programs blended with other skills to engage students in outdoor sportsmanship. The Archery in the Schools program will safely introduce students to target shooting, and Explore Bowhunting will develop the skills to start bow hunting, even if they are not ready to hunt. Michigan Fishing will introduce students to our states fisheries and aquatic management along with basic fishing equipment and techniques explained so every kid can get out and fish. Michigan Conservation will highlight what Michigan is doing to sustainably manage its natural resources. Michigan Hiking and Camping will highlight safe hiking practices and locations and cover the gear needed to campout in our states public lands with the goal of students planning and participating in several overnight campouts. Gratiot Lake Nature Conservancy will serve as a field station for some our field trips and overnights. Class is held in the yurt outdoor classroom.	Brian Rajd & Mark Romanski	12-18	T-2:30-4:20	Year Long
Yearbook and Photojournalism	In this course, students will gain skills in one or more of the following areas: page design, advanced publishing techniques, copy writing, editing and photography while producing a creative, innovative yearbook which records school memories and events. There is an emphasis on journalism skills in this class, and participants gain useful, real world skills in time management, marketing, communication, collaboration, teamwork, and design principles.	Sergio Buoniconti & Teresa Prisco	12-18	Not Running	S1, S2, Year Long

Cooking Intermediate C	<p>This is a basic cooking class. We will focus more on knife skills and stove skills than in Cooking I. We will learn about local foods, world foods, and nutrition. Students in Cooking II will work more independently than those in Cooking I. For example, they may work in pairs to follow and complete a recipe. The main event of the class will be the restaurant that will take place towards the end of the semester. Students may also participate in a bake sale. The class will have an assistant, and will include guest instructors and field trips. Students in cooking II will be expected to practice their skills at home, and they generally want to! The goals of Cooking II are: that the students leave the class with increased knowledge of food nutrition and world cuisine, that they have mastered three basic knife skills, that they can cook one meal from start to finish, they can wash dishes, and they can follow and complete a recipe. Most importantly I hope to foster a love of real food and cooking with the students in my class.*</p>	Emily Svenson	12 to 18 based on experience	W-12:30-2	S1, S2, Year Long
Life Skills	<p>In this class, young adults are taking a journey through real life with fantasy jobs, rent, bills and life stressors. Students will learn how to manage money, build a resume, job search and interview. Other life skills to be explored and practiced include cooking, laundry, fixing a flat tire, talking to your boss, negotiating the price of a new car, and healthy use of social media. Group discussions and experiences create a fun and engaging way to learn about life. Other topics to be discussed based on students needs. Frequent reading will be required in this course.</p>	Tanya Sajdak	15-18	TH-9-10:30	S1, S2
Art IV	<p>Painting- This class will be divided into two sections: acrylic for the first semester and watercolor for the second.</p> <p>Acrylic—Acrylic paint can be used straight from the tube, blended, watered down, layered, and even painted over completely. Students will employ all these methods to help plan and compose abstract, realistic, simple, and complicated paintings. It is a very versatile medium.</p> <p>Watercolor—Students will learn how to create washes and blend and manipulate their paint with more or less water. We will also practice simple resist techniques as well as using simple lines and shapes to create the impression of complicated subject matter.</p>	Kristy Beutler	16-18	Not Running	S1, S2, Year Long

How Things Work IV	This is a hands-on problem-solving based approach to learning how things work. This class will go through the various engineering fields learning what makes each one of them unique and the importance they play in the world around us. Each week students will complete projects related to engineering and the world around us, building bridges, assembling circuits, Analyzing the environment and so much more. This class will strengthen problem solving, critical thinking and teamwork through fun and challenging projects.	Adam Kausch	16-18	Not Running	S1, S2, Year Long
Passion Project IV	Students, if you are curious about a certain topic and want the resources to fully engage your brain, we have the support you need. Bring your idea to this course and mentors and coaches will help you create a step-by-step approach to advancing your project. Supplies, support and motivation will help students keep on track. Whether it is making a movie, learning about world hunger, starting a business, or becoming an architect, no topic is off limits.	Paul Sajdak, Susan Nielsen	16-18	W-10-11:30	S1, S2, Year Long
Build IV: Build the builder	Hone all skills with the shop tools we have. This class includes: group projects, intro to professional carpenter skills, and learning different materials. Shop safety is a priority. Example projects include: build a tool box that actually holds tools and is durable; build something needed for the school; build a dream home scaled mini out of wood; build an electric motorized contraption that performs a simple task, or design your own project. Learn how to strategize projects and learn how to expand abilities.	Matt Boersma & Sergio Buoniconti	16+	T-1:30-3	S1, S2, Year Long
Computers Advanced (III and IV)	Delve under the hood and take computers apart piece by piece to learn how and why modern computers work. Students will take a trip back in time to see how computers have changed over the years. Students will learn how to budget build a complete pc system. Later in the course, using introductory level coding, we will do group and solo Unity projects to build computer games from the ground up. Students will discuss pros and cons of different operating systems and different competing technologies. Students will also explore Raspberry Pi starting with new systems and learning some of the many things they can do.  -Basic knowledge of computers strongly required.-	Ernie Beutler	16+	M-2:30-4	Year Long
Farming & Gardening	A comprehensive course on basic fruit and vegetable gardening with insights into animal husbandry, herbs, medicinal crops, and farming practices. Hands on activities including soil testing, planting, caring for a garden, and harvesting. Tools, safe practices, soil preparation, and harvesting techniques are just some of the important lessons to create a successful food crop. Monthly farm tours (during snow less months) are a highlight of the class. During the winter months, sessions will be held at the center.	Gina Kerr	All Ages	One Saturday per month off site and F-10-11:30 at the center	Year Long

Local Lore	Visit local sites of interest and learn about events and people during the Keweenaw's rise through the copper boom and beyond. Local historical interpreter from Quincy Mine will share her wealth of information in an exciting way.	Carla Belopaviovi	All Ages	Not Running	S1, S2, Year Long
Look What I Can Do!	Sign up for this elective to apply funding toward any individualized lessons such as music lessons, art, soccer, sports, etc.	NA	All Ages	Individual scheduling	Year Long
Music: Private or Group Lessons	In depth instruction of an instrument. Student will be able to read music notation, demonstrate musicality, and understand music theory concepts. Student will be expected to practice outside of the scheduled lesson time. Student will be expected to provide their own instrument, music literature, and all other necessary materials. <ul style="list-style-type: none"> <li>-Clarinet</li> <li>-Ukulele</li> <li>-Recorder</li> <li>-Guitar</li> <li>-Beginner Piano</li> </ul>	Carly Jakrzewski Michelle Klein	All Ages	Self directed scheduling	S1, S2, Year Long

Swimming	<p>Beginning Swimming 11:30-12:00. Non swimmers. Swimming is an essential life skill, especially here in the Keweenaw. Games and play are used to introduce swimming skills, comfort in the water, and endurance. Let's get the floaties and life jackets off, faces in the water, floating, doggie paddle, freestyle, and jumping off the side, with goal to get kids comfortable in the water and build the strength to swim a length of the pool using a variety of strokes.</p> <p>Advanced Swimming 12:05-12:50. Students should be able to swim 2 laps of the pool without stopping. Building on students current swimming ability, new strokes are introduced, games are played to build endurance, and basic lifesaving skills are taught. Freestyle, breaststroke, backstroke, butterfly, dives from the side and the diving board, retrieving dive rings from the deep end, and games to build endurance is a typical day in class. By the end of class students should be proficient in at least 6 strokes, diving, basic lifesaving, and will be able to swim 6 laps of the pool without stopping.</p> <p>Intermediate Swimming 1:00-1:30. Swimmers that do not need floaties or life jackets, but cannot swim 2 laps of the pool without stopping or are swimming but always close to the wall for comfort. Building on students current swimming ability, new strokes are introduced, games are played to build endurance, and basic lifesaving skills are taught. Freestyle, breaststroke, backstroke, dives from the side, retrieving dive rings from the lap pool, and games to build endurance is a typical day in class. By the end of class students should be proficient in at least 4 strokes, diving, basic lifesaving, and will be able to swim 2 laps of the pool without stopping.</p>	Brian Rajdl	All Ages	F-11:30-1:30	S1, S2, Year Long
What is Up in My Community?	Sign up for this elective to apply funding toward learning activities and events such as theatre tickets, museum passes, adventure activities, and local events that charge for admission (Quincy Mine Tours).	NA	All Ages	Individual scheduling	Year Long
Winterize Me	Sign up for this elective to apply funding toward winter sports; main activity is membership for skiing and snowboarding to Mount Ripley.	NA	All Ages	Individual scheduling	Year Long
Choir	Continuation of previous music skills through the performance of choral singing. Students will learn how to read music notation, sing in 2-part or 4-part harmony, demonstrate musicality, and understand basic music theory concepts. Students will gain experience with performing in front of a live audience.	Carly Jakrzewski	pending	TH-12:30-1:20 and F-1:30-3	S1, S2, Year Long

Sewing Advanced	<p>Advanced Sewing students will work through a series of sewing projects to build a library of skills that can be applied to future projects even after the course has been completed. Each project will be completed on a sewing machine with minimal physical assistance from the instructor. The goal of this class is for each student to build confidence to be able to relatively independently work through a project of their choice! Some examples of potential projects for this course are: bedside stuff holder, snuggie tail, knit shirt, quilt block hot pads, notebook and pencil holder, sunglasses or camera case, PJ pants, stuffed animal or doll, sleep mask, bowl cozie, wallet, and many other possibilities that are being explored!</p>	Theresa Shebby	Placement in this class based on skill and experience.	Not Running	Year Long
Sewing Intermediate	<p>Intermediate sewing students will work through a series of projects to build fundamental skills, confidence, and a love of sewing. The majority of the class projects will be completed on a sewing machine with partial assistance when needed. Some examples of potential projects are: library or market tote, pillow case, sleep mask, bedside stuff keeper, notebook and pencil holder, bean bag stuffies, bowl cozies, apron, quilt block hot pads and many more options I am exploring!</p>	Theresa Shebby	Placement in this class based on skill and experience.	T-1-2:30	Year Long
Cooking Beginning A	<p>This class is an introduction to cooking. We will start with the very basics. How to make your own snacks, how to cut fruits and veggies, how to use the stove to make simple dishes. Please be sure that your child has used a pair of scissors and a knife at least a little at home. Please make sure that he or she is comfortable being at the stove cooking with an adult right next to him or her. Students do not have to be good at these things, just comfortable practicing them. Kids' safety knives will be available but we will also use appropriately sized real knives. We will explore nutrition, local foods, and world foods. This class will have an assistant, and it will include guest instructors and field trips. The main event of this class will be the 'restaurant' that the kids will put on towards the end of the semester. Upon completion of Cooking I, the students will be able to make at least two snacks independently (these won't involve sharp knives or the stove). The students will also leave the class with knowledge on kitchen hygiene, clean up, how to use the stove safely, and how to use knives in a safe way to cut a variety of foods. This is a hands on project based class, and kids are expected to do some practice at home. Let's explore foods together!*</p>	Emily Svenson	Skill Based	W 9 to 9:50	S1, S2, Year Long

<p>Cooking Beginning B</p>	<p>This class is an introduction to cooking. We will start with the very basics. How to make your own snacks, how to cut fruits and veggies, how to use the stove to make simple dishes. Please be sure that your child has used a pair of scissors and a knife at least a little at home.</p> <p>Please make sure that he or she is comfortable being at the stove cooking with an adult right next to him or her. Students do not have to be good at these things, just comfortable practicing them. Kids' safety knives will be available but we will also use appropriately sized real knives. We will explore nutrition, local foods, and world foods. This class will have an assistant, and it will include guest instructors and field trips. The main event of this class will be the 'restaurant' that the kids will put on towards the end of the semester. Upon completion of Cooking I, the students will be able to make at least two snacks independently (these won't involve sharp knives or the stove). The students will also leave the class with knowledge on kitchen hygiene, clean up, how to use the stove safely, and how to use knives in a safe way to cut a variety of foods. This is a hands on project based class, and kids are expected to do some practice at home. Let's explore foods together!*</p>	<p>Emily Svenson</p>	<p>Skill Based</p>	<p>TH-10-10:50</p>	<p>S1, S2, Year Long</p>
<p>COOKING CLASSES*</p>	<p>*All cooking classes: Hygiene is very important and the Cooking classes will involve lots of hand washing. Hair will need to be tied back, or use a hat if you can't/don't want to tie hair back. We will use real knives and the stove and oven. I will use and teach high safety standards, however please know that we will use real cooking tools. There will be individual, partner, and group projects There will be alternate activities for students in the lunchroom when we are using the stove. Because my assistant and I cannot safely supervise many children at the stove at one time, an alternate activity is given for those waiting. This is usually writing, copying, or drawing a recipe or meal plan. I often have cook books to pass around as well. Students need to be prepared for this and for some waiting during class time. Students will be asked to practice at home. This is not a high expectation but it really helps their learning if they get hands on in the kitchen more than once a week. Student input is highly valued and I try to work in recipes they want to do. Please note however that this is not a dessert class, although we will make some desserts. Students help clean up during each class. Dish washing and cleaning surfaces IS part of this class. Cooking class is lots of fun!</p>				