



Excursions in Learning

Manchester Community College

YOUTH PROGRAMS

**FALL 2016
Grades K-8**

Sign-up for Classes Today!

Enrichment Classes for Inquisitive and Creative Minds



FALL 2016 EXCURSIONS IN LEARNING CLASSES

| Primary Grades (K-2) | Elementary Grades (3-5) | Middle School Grades (5-8 or 6-8) | Culinary Classes (Grades 5-8 & Family Class Grades 3-8) |
|----------------------------------|----------------------------|--------------------------------------|--|
| OCTOBER | | | |
| 15 Art Through Nature | Lego Robotics 1: Part 1 | Create Letter Art | Cupcake Wars |
| 22 Creative Construction | Lego Robotics 1: Part 2 | Computer Game Design: Part 1 | Basic Culinary Skills |
| 29 Ooey Gooley Spooky | Rocks & Minerals | Computer Game Design: Part 2 | no culinary class |
| NOVEMBER | | | |
| 5 Autumn Book Cooks Dinosaurs | Lego Robotics 2: Part 1 | Computer Animated Short Film: Part 1 | Basic Pastry Skills |
| 12 Candy Experiments | Lego Robotics 2: Part 2 | Computer Animated Short Film: Part 2 | Thanksgiving Pies |
| 19 | Harry Potter Book Cooks | Computer Animated Short Film: Part 3 | no culinary class |
| 26 No Class - Thanksgiving | | | |
| MARCH | | | |
| 3 Ooey Gooley Science | Physics with Sir Isaac | Scratch: Part 1 | Authentic Italian Cuisine |
| 10 Winter Book Cooks | Comic Book | Scratch: Part 2 | Let's Cook Together (Grades 3-8 + parent) |
| 17 Mathemagic (Grades 1-3) | Stage Make-up | Paint Party (Grades 3-8 + parent) | Holiday Cookies Around the World |



**MANCHESTER
COMMUNITY
COLLEGE**



SATURDAY CLASSES FOR PRIMARY GRADES
 Classes are for students in the grades listed. No exceptions.

Explore Nature Through Art (Grades K-2)

In this class students will learn about nature and how it changes with the autumn season and express their new knowledge and observation in various art projects. Recreate an autumn landscape at sunset. Build a treat for your favorite woodland creature. Gather bark, leaves, and seeds to create a special work of art. Learn about why the leaves change colors and what animals do in the fall to prepare for winter. Join us for a class combining your child's love for biological science and art.

CRN 31847 | Fee: \$40
 1 Saturday | 10/15
 9 AM - 12 PM | GPA GP136
 Instructor: Lisa Argenta

Creative Construction (Grades K-2)

Have you ever tried to build a really high ramp so your toy car can fly down it? Well, what if you used a marble and instead of seeing how far it flies down, your mission was to make it stop at the end of the ramp? Through the use of various blocks and materials you will figure out how to control the speed of your marble and allow it to stop at the end of the ramp. You will observe and record your findings of what worked and what did not work. This and many more construction projects await! If you are up for the challenge, come join us and test your skills!

CRN 31824 | Fee: \$40
 1 Saturday | 10/22
 9 AM - 12 PM | GPA GP139
 Instructor: Sandra Mishriky

Ooey Goopy SPOOKY Science and Art (Grades K-2)

Ooey Goopy is back with a whole new set of messy, goopy SPOOKY experiments and projects just in time for Halloween! If you like to get your hands dirty, then this is the class for you. We will mix a variety of art and science activities to create one exciting class.



CRN 31851 | Fee: \$40
 1 Saturday | 10/29
 9 AM - 12 PM | GPA GP136
 Instructor: Samantha Cyr

Junior Chefs: Autumn Book Cooks (Grades K-2)

Does your child have an interest in cooking or baking? In this class, your child will explore some of our favorite autumn themed stories and characters through cooking. We will also explore the history behind the cultures as they cook and taste different foods. Join us for this seasonal cooking class perfect for your junior chef!



CRN 31815 | Fee: \$40
 1 Saturday | 11/5
 9 AM - 12 PM | LRC B125
 Instructor: Samantha Cyr

Dinosaurs & Fossils (Grades 1-2)

Zoom back to prehistoric times to discover the world of dinosaurs. Become a paleontologist as you examine fossils from prehistoric times! Discover dinosaur habitats using natural materials. Investigate an array of fossils and create your own dinosaur fossil. How long have plants and animals have been living on earth? How do scientists learn about life that occurred so long ago? We'll find out about some of these fantastic creatures—some huge and scary, some strange, but all interesting!

CRN 31821 | Fee: \$40
 1 Saturday | 11/5
 9 AM - 12 PM | GPA GP139
 Instructor: Susan Harrington

Candy Experiments (Grades K-2)

Through several hands-on experiments, students will be guided through the scientific method and conducting unique experiments using some of our favorite candy. Come test, collect data, analyze and reflect on these unusual lessons! For example, watch the printing on candy separate or reflect on the effects different liquids have on the colors of Skittles® and Gobstoppers®. Students will learn and discuss the science behind each result. Join us for a day of mouthwatering candy experiments!

CRN 31819 | Fee: \$40
 1 Saturday | 11/12
 9 AM - 12 PM | GPA GP215
 Instructor: Sandra Mishriky

Junior Chefs: Winter Book Cooks (Grades K-2)

Does your child have an interest in cooking or baking? In this class, your child will explore some of our favorite winter-themed stories and characters through cooking. We will also explore the history behind different cultures in these stories as students they prepare a variety of foods. Join us for this seasonal cooking class perfect for your junior chef!

CRN 31850 | Fee: \$40
 1 Saturday | 11/19
 9 AM - 12 PM | LRC B125
 Instructor: Samantha Cyr

Ooey Goopy Science and Art (Grades K-2)

Ooey Goopy is back with a whole new set of messy, goopy experiments and projects that you'd never be allowed to do at home! If you like to get your hands dirty, then this is the class for you. We will mix a variety of art and science activities to create one exciting class. Create your own lava lamp and learn the science behind it. Get ready for some more ooey and goopy learning and fun!

CRN 31820 | Fee: \$40
 1 Saturday | 12/3
 9 AM - 12 PM | GPA GP215
 Instructor: Samantha Cyr

Mathemagic (Grades 1-3)

Are you a mathematical whiz? Challenge your mathematical mind in this course. Students will



enhance math skills and concepts while applying them to magic tricks and real-world situations. Students will learn

card tricks, math games, math trickery, and riddles. We will also be studying optical illusions and the use of math in art. Be prepared to learn about the Sieve of Eratosthenes and the trick of factorials! We'll be learning about the tricks of math in the real world with authentic problem solving using number sense, geometry, and probability and statistics.

CRN 31818 | Fee: \$40
 1 Saturday | 12/17
 9 AM - 12 PM | GPA GP142
 Instructor: Jennifer DeRagon



SATURDAY CLASSES FOR ELEMENTARY GRADES
 Classes are for students in the grades listed. No exceptions.

LEGO® Robotics One (Grades 3-5)

In this class, students will learn how to program and build a LEGO® robot to perform specific tasks and challenges. Using LEGO® Mindstorms NXT robotic computer program software and over 10,000 LEGO® pieces, students will have the hands-on experience of creating their own unique robot. When the building is complete, students will test their robot against specific challenges, analyze the data, revise and rebuild! No prior robotics experience necessary, however advanced students are also welcome.

CRN 31831 | Fee: \$80
 2 Saturdays | 10/15 & 10/22
 9 AM - 12 PM | GPA GP157
 Instructor: Jesse Wilkinson

Rocks & Minerals (Grades 3-5)

In this introductory level course, students will explore the properties of rocks and minerals, including how to describe rocks by its properties, like color, luster, texture, and hardness. You'll learn about the varying types of rocks and how they're formed, including an experiment to create our own version of a rock. Additionally, we'll explore the everyday uses of rocks and minerals. It's a "rockin'" good time!

CRN 31829 | Fee: \$40
 1 Saturday | 10/29
 9 AM - 12 PM | GPA GP221
 Instructor: Jennifer DeRagon

LEGO® Robotics Two (Grades 3-5)

Take your LEGO® Robotic knowledge to the next level! In this class, students will learn how to program and build a LEGO® robot to perform specific tasks and challenges. Using LEGO® Mindstorms NXT robotic computer program software and over 10,000 LEGO® pieces, students will have the hands-on experience of creating their own unique robot. When the building is complete, students will test their robot against specific challenges, analyze the data, revise and rebuild! Prerequisite: Students must have taken our LEGO® Robotics Level One course at Excursions in Learning, no exceptions.

CRN 31832 | Fee: \$80
 2 Saturdays | 11/5 & 11/12
 9 AM - 12 PM | GPA GP157
 Instructor: Jesse Wilkinson



Harry Potter Book Cooks (Grades 3-5)



Come explore the magical worlds of popular fantasy books such as Harry Potter and The Lightning Thief series to create your own astonishing foods! Be prepared to discuss these books, share your favorite new novels and then create foods influenced by the books. Please bring your favorite book to the class. Have you ever sipped on Butterbeer or created Poseidon's Candy Aquarium? We'll also be creating glow-in-the-dark Jell-O® and Death Eaters popcorn to take home. Please join us in our creative exploration of food inspired by books! Students do not have to read these books ahead of time.

CRN 31828 | Fee: \$40
 1 Saturday | 11/19
 9 AM - 12 PM | LRC B125
 Instructor: Jennifer DeRagon

Make Your Own Comic Book (Grades 3-5)

Let's bring art to life! In this class students will explore the world of cartooning and graphic novels. Through multiple art projects, students will develop cartooning, drawing and illustration skills using a variety of mediums. We will learn to draw expressive faces, action figures, caricatures and even create our own cartoons. Students will be encouraged to use their imaginations, in addition to practicing new artistic techniques.

CRN 31827 | Fee: \$40
 1 Saturday | 12/10
 9 AM - 12 PM | GPA GP202
 Instructor: Leah Sanderson

Physics with Sir Isaac Newton (Grades 3-5)

In the 1680's, Sir Isaac Newton published a scientific paper on his observations about the way things move. These have come to be known as Newton's Laws of Motion and are the basis for the study of mechanics. We will use everyday objects such as balls, tops and poppers to see if Newton's Laws are true. We will experiment with toy cars to test the effects of friction, observe the effects of rotational momentum on a gyroscope and calculate the speed of wind-up critters. Sir Isaac would be so proud!

CRN 31848 | Fee: \$40
 1 Saturday | 12/3
 9 AM - 12 PM | GPA GP142
 Instructor: Susan Harrington

Stage Makeup (Grades 3-5)

If you have ever seen the performers of CATS or the LION KING, you've seen how stage makeup can transform the actor into something special! Join us for a workshop that will change you from ordinary to magical, using basic stage makeup techniques. We'll talk about types of makeup, design, application, explore lots of great examples, and try out designs for yourself! Wear clothes you don't mind getting messy. Who knows what hidden character is waiting in you!

CRN 31845 | Fee: \$40
 1 Saturday | 12/17
 9 AM - 12 PM | AST AUD & AST E113
 Instructor: Sharon FitzHenry

Paint Party (children in grades 3-8 and adults, any age)

Parents, grandparents, older siblings...join your young artist for a fun, artistic morning where you each create a canvas painting. In this class, participants will learn an introduction to color theory, color mixing and the basics of acrylic painting. Each participant will create their own original piece of art on canvas. Enjoy some together-time with your favorite young artist and create a work of art to cherish forever.

Please note the different start time.
 Child Registrant: CRN 31825 | Fee: \$25
 Adult Registrant: CRN 31826 | Fee: \$25
 1 Saturday | 12/17
 10 AM - 12 PM | GPA GP202



SATURDAY CLASSES FOR MIDDLE SCHOOL GRADES

Classes are for students in the grades listed. No exceptions.



Computer Game Design One (Grades 5-8)

In this two-session class students learn the basics of game design with hands-on Game Maker projects that demonstrate sprites, animation, events, actions, collisions, sound, timing, variables, and more. By the end of the class, students will have two complete games that they can play at home and share with their friends.

Prerequisites: *basic computer skills, such as typing, using a mouse, and using Microsoft Windows. Please bring a USB flash drive (at least 2 GB) to save your work.*

CRN 31835 | Fee: \$80
2 Saturdays | 10/22 & 10/29
9 AM - 12 PM | LRC B220

Instructor: Chris Buonacquisto

Create a Computer Animated Short Film (Grades 5-8)

Did you ever wonder how special effects are achieved in movies like *Monsters Inc.* and *Shrek*? This workshop will demonstrate the principles of animation, both traditional and digital. Using Flash software, learn the basics of key framing to create animated sequences using Flash's image tools, imported images and recorded sounds. This is a hands-on workshop. Students will work to create a short animation they can play on their computers. Prerequisites: *basic computer skills, such as typing, using a mouse, and using Microsoft Windows. Please bring a USB flash drive (at least 2 GB) to save your work.*

CRN 31833 | Fee: \$100
3 Saturdays | 11/5, 11/12 & 11/19
9 AM - 12 PM | AST D215

Instructor: Rich Hoyer

SCRATCH™: Computer Programming (Grades 5-8)

In this two session course, students will explore the computer software program, Scratch™. Designed at the MIT MediaLab, Scratch is a programming language that allows you to create your own interactive stories, animations, games, music, and art, and share your creations on the web. The best part? This versatile, creative software is available through a free download, so after this course students can continue exploring the software at home. Prerequisites: *basic computer skills, such as typing, using a mouse, and using Microsoft Windows. Please bring a USB flash drive (at least 2 GB) to save your work.*

CRN 31830 | Fee: \$80
2 Saturdays | 12/3 & 12/10
9 AM - 12 PM | LRC B220

Instructor: Chris Buonacquisto

Create Your Own Letter Photography Art (Grades 5-8)

In this course, students will combine their technical and artistic talents to create a unique work of art. Students will be guided through a lesson on photography angles and perspective by MCC professor and professional artist, Rich Hoyer, before venturing out to explore MCC's beautiful and unique architecture to take photographs of their own. Students will choose an inspirational word and find objects around campus that resemble each letter. The end product will be a beautiful collage of shapes that create an artistic display of that word. Travel back to the classroom to learn photography editing tricks on Photoshop to create the finishing touches on the masterpiece. Students can create as many digital versions of this art work as they'd like. Each student will be given a printed and framed version of their artwork to bring home and display proudly. Please bring a digital camera or camera phone, the USB cord to connect it to the computer, and a flash drive to save your work.

CRN 31846 | Fee: \$40
1 Saturday | 10/15
9 AM - 12 PM | AST D211

Instructor: Rich Hoyer

Paint Party (children in grades 3-8 and adults, any age)

Parents, grandparents, older siblings...join your young artist for a fun, artistic morning where you each create a canvas painting. In this class, participants will learn an introduction to color theory, color mixing and the basics of acrylic painting. Each participant will create their own original piece of art on canvas. Enjoy some together-time with your favorite young artist and create a work of art to cherish forever.

Please note the different start time.

Child Registrant: CRN 31825 | Fee: \$25
Adult Registrant: CRN 31826 | Fee: \$25
1 Saturday | 12/17
10 AM - 12 PM | GPA GP202

Instructor: Leah Sanderson



Excursions in Learning YOUTH PROGRAMS
Manchester Community College

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MANCHESTER COMMUNITY COLLEGE
CONTINUING EDUCATION

SATURDAY CULINARY ARTS CLASSES
Classes are for students in the grades listed. No exceptions.



Basic Culinary Skills (Grades 5-8)

Thinking of honing skills to be the next contestant on Master Chef Junior? Our trained chef will show you rudimentary techniques to not only build on your skills, but also your palate. We'll explore a classic menu of favorites like soft dinner rolls, French onion soup, bruschetta, Caesar salad, chicken fricassee and cacciatore to strengthen knife skills. We will execute a full menu to develop cooking methods and procedures. This is one class you do not want to miss out on in order to build rudimentary skills while making great tasting foods! **Materials fee: \$15, payable to instructor at the beginning of class.**

CRN 31692 | Fee: \$75
1 Saturday | 10/22
9 AM - 3 PM | GPA GP213

Instructor: Chef Josh Ogradowski

Basic Pastry Skills (Grades 5-8)

This class will focus on using basic ingredients to create delicious pastries and baked goods. Under the guidance of professional chef, Chef Josh, students will be supported by demonstrations and then mentored through specific recipes to strengthen their baking skills and knowledge. Learn professional tricks! Students will create several baked goods independently and with a partner. Practice your techniques in creating breads, rolls, batters, cookies, cakes, basic decorations and more! **Materials fee: \$15, payable to instructor at the beginning of class.**

CRN 31693 | Fee: \$75
1 Saturday | 11/5
9 AM - 3 PM | GPA GP213

Instructor: Chef Josh Ogradowski

Thanksgiving Pies (Grades 5-8)

Calling all bakers! In this class, students will learn the tricks to creating delicious from-scratch pies from an award-winning chef, Rachael LaPorte. Students will be guided through several recipes and create decadent pies to bring home to their families. Each student will also be given a recipe booklet so they can recreate these desserts at home. Perfect some of the classic favorites such as: pumpkin or apple, and explore some more unusual recipes as well. Join us for this delicious class! **Materials fee: \$15, payable to instructor at the beginning of class.**

CRN 31694 | Fee: \$75
1 Saturday | 11/12
9 AM - 3 PM | GPA GP213

Instructor: Chef Rachael LaPorte

Authentic Italian Cuisine (Grades 5-8)

Do you love Italian food? Want to learn more elaborate and sophisticated dishes to create at home? Join Chef Josh to learn how to make fresh authentic Italian foods from scratch. Explore the heart of Italy by making famous foods like: minestrone soup, risotto, cacciatore, Napoletana, panna cotta, tiramisu and fresh pappardelle with sausage and peas in a creamy Alfredo. Bring containers so you can bring lots home to share! **Materials fee: \$15, payable to instructor at the beginning of class.**

CRN 31844 | Fee: \$75
1 Saturday | 12/3
9 AM - 3 PM | GPA GP213

Instructor: Chef Josh Ogradowski

Let's Cook Together (Grades 3-8 & their adult)

In this course, students and an adult family member will cook a festive, four-course meal to enjoy together. Under the guidance of award-winning chef, Rachael LaPorte, the class will focus on how to prepare a fancy, festive meal. Learn how to create homemade pasta and from scratch desserts. Create memories and a delicious meal to share! **Materials fee: \$15, payable to instructor at the beginning of class.**

Child Registrant: CRN 31697 | Fee: \$75
Adult Registrant: CRN 31698 | Fee: \$75
1 Saturday | 12/10
9 AM - 3 PM | GPA GP213

Instructor: Chef Rachael LaPorte

Holiday Cookies From Around the World! (Grades 5-8)

Get ready for the holiday season with this all-day cookie class! Parents: go shopping while your junior chefs whip up some tasty treats! We will be creating many holiday cookies from around the world. Some creations include: South American alfajores de dulce de Leche (short bread cookies filled with caramel), Middle Eastern zalabia (fritters soaked in syrup), Austrian linzer (cookies filled with raspberry jam) and Italian Rosetta cookies. Additionally, decorate your own sugar cookies and much more! Create lots of holiday cookies to bring home and give away as gifts to loved ones this holiday season! **Materials fee: \$15, payable to instructor at the beginning of class.**

CRN 31696 | Fee: \$75
1 Saturday | 12/17
9 AM - 3 PM | GPA GP213

Instructor: Chef Rachael LaPorte



The Cupcake Challenge (Grades 5-8)

Test your creativity and baking skills in this exciting culinary class! Students will be given a specific theme, a basket of mystery ingredients and full use of our Excursions in Learning pantry and art supplies to create two unique cupcakes and a colorful display. Under the guidance of Master Chef Rachael, students will work cooperatively in small groups or pairs to plan and implement their cupcakes and displays. The cupcakes will be evaluated and scored by mystery judges and winners will be announced at the end of class. **Materials fee: \$15, payable to instructor at the beginning of class.**

CRN 31695 | Fee: \$75
1 Saturday | 10/15
9 AM - 3 PM | GPA GP213

Instructor: Chef Rachael LaPorte

