

# COURSE DESCRIPTIONS

## FALL 2016

### 3D Printing: Grades 2 – 4

*Instructor: The Digital Arts Experience*

This program will introduce students to the exciting world of 3D Printing & Modeling! Students will cover the history of this technology, learn about various types of 3D Printers, how to prepare and operate a printer and how to model objects from scratch using TinkerCAD, a simple but powerful 3D modeling tool! The class will have each student designing and printing their own unique objects to take home!

### Chess: Grades: 1 – 4

*Instructor: Recreation Staff*

Learn to play the Royal Game!! This activity is open to all levels of play, from those who know nothing about the game to those who are experienced players. Learn how to move the different pieces and how to develop an opening, mid – game, and end game.

### Chocolate Factory: Grades: 1 – 4

*Instructor: Recreation Staff*

Children will explore the wonderful world of chocolate and create a variety of delicious treats that may include chocolate dipped strawberries, molded chocolates, brownies, chocolate pudding, mousse, and truffles.

### Curious Engineer – Ancient Engineering & Architecture: Grades 3 – 4

*Instructor: Curious-on-Hudson*

In this Curious Engineer program, students examine the major scientific discoveries of classic ancient civilizations. Students will understand how structures we associate with these civilizations were built without modern tools and technologies as the class investigates some of the greatest scientific and engineering discoveries known to man. Students work on individual take-home or group projects.

### The Culinary Playground: Grades: 1 – 4

*Instructor: Allergic to Salad*

Join us for fun, interactive hands-on- healthy vegetarian cooking with kids! Our little chefs will mix, measure, and even CHOP their way to cooking up some amazing vegetarian culinary delights. We'll put our "Adventurous Eater" hats on to explore dishes like: Chilled Carrot Cumin Soup, Ribbon Salad, Black Bean Breakfast Burritos and more!

### Da Vinci STEAM Workshop – Outrageous Machines: Grades 1 – 2

*Instructor: Curious-on-Hudson*

Original ideas are ones no one has thought of yet. This class focuses on how imagination is the basis for science and how the two have worked together to create some of the greatest ideas in history. Students examine the life of Leonardo Da Vinci, the scientist, inventor, and artist to learn how he integrated this kind of thinking in his life and work. Students will use their own Da Vinci-style notebooks to draw out unique and new inventions of their own design, creating them with new and repurposed materials.

### Fencing: Grades: 2 – 4, 5 – 6

*Instructor: Mio David (Fencing Academy of Westchester)*

Join our fencing program and learn about this exciting and noble sport. The fundamentals and rules as well as the parts of the foil, how to hold it, and the on-guard stance will be introduced. Classes are taught by using plenty of games to improve speed and coordination, discipline, balance, quick reflexes, mental acuity and good sportsmanship. All equipment provided.

### Floor Hockey: Grades 1 – 4

*Instructor: Recreation Staff*

This program introduces the fundamentals of the game through fun games and activities. Children will get a chance to be active and learn the basic rules and skills of floor hockey such as shooting, stick handling and passing.

### Fun with Felt: Grades 1 – 4

*Instructor: Recreation Staff*

Join us as we craft with felt! Each week students will have fun creating unique and interesting felt-based crafts. From simple felt piggy banks to more complex stuffed felt animals, students will have a wonderful time designing and crafting!

### Global Doctors – DNA: Grades 3 – 4

*Instructor: Level Up Village*

The human genome is like a very lengthy secret message, waiting patiently to be deciphered! In this unique class, students will become “global geneticists in training” to explore this enigma by learning about the emerging field of genetics and how it can be applied to global health issues. Fun, hands-on projects include extracting DNA from a strawberry, learning about blood types in a crime scene investigation project, and a project using paper dolls to learn how recessive and dominant gene are passed to one another. By the end of the class, students will be bona-fide biological codebreakers!

### Greenburgh United Soccer Clinic: Grades: 1 – 4

*Instructor: NY Red Bulls*

Led by NY Red Bulls staff, this eight-week program will teach the fundamentals of soccer in an age-appropriate way. Plus, each week there will be small side-games.

### The Magician’s Apprenticeship: Grades 1 – 4

*Instructor: Richie Magic (Hocus Pocus Magic Shop)*

Apprentice yourself to a world-class magician! Learn the basics of magic, including cards, coins, ropes and much more. The small group approach to instruction will ensure that you’re on your way to magical fame. Includes all necessary tricks and props, which are yours to keep (retail value \$300).

### Outdoor Adventure: Grades 1 – 4

*Instructor: Recreation Staff*

Get out and enjoy Hillside Woods. Students will go on a scavenger hunt, fishing, hiking, and learn the art of marshmallow roasting! These are just a few of the fun activities they will truly enjoy.

### Puppet Playhouse: Grades 1 – 4

*Instructor: Recreation Staff*

Join us in Puppet Playhouse for the greatest show of all! Over eight weeks, students will design all the components of a fantastic Puppet Playhouse production, from background design to the characters themselves. Working with many different types of materials, students will create finger, hand, and stick puppets, to name a few, as part of the production process to put on a fantastic show in the last class!

### Wacky Science: Grades 1 – 4

*Instructor: Recreation Staff*

Each week students will make some crazy concoctions and silly fun recipes. Some of their creations will be edible, and some will not; all will be fun! Creations will be nontoxic and made with easily found ingredients.