

DISCOVER

DC

CAMP



Summer 2019



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MEET THE

Dear Parents,

It's hard to believe this is Discover Camp's twelfth year and my twenty fifth consecutive year of running summer enrichment programs in Westchester. Discover Camp is a direct reflection of our personal and professional interests. My wife Sabrina is the Director of Technology in Ardsley with twenty plus years of experience. I've been teaching technology classes to elementary and middle school students for twenty-five years in Eastchester but Discover really started in my early years.

As a child I played with LEGO Blocks, HO and Lionel trains, built slot cars to race at Elmsford Raceway, flew and crashed RC airplanes and then built and raced radio controlled cars. As I grew up, my love of hobbies grew into my love of cars. I've owned many cars that I've worked on and even today continue to care for our family's cars with a passion. I truly believe it is important to have healthy hobbies. As a child I was always very busy and as an adult my hobbies allow me to escape stress or redirect stress into something positive. Throughout the year I try to stay current on new trends in technologies. My home garage is where I "research." I have several different 3D printers set up, a laser etcher and tons of tools. I read MAKE magazine and 20 other monthly publications and I love to read books, especially non-fiction.

3D printing, or additive manufacturing as it's known in the trade, is still relatively new to the public. This is our eighth year utilizing 3D printers and we're investing in more printers for our classes bringing our total to over 50. One of the things that has always separated Discover Camp is that we've never focused on the bottom line. It's always been about finding the coolest new tools, technologies and products that fit our philosophy and adding them to the programs at camp. Discover Camp allows me to continue my love of hobbies and technologies only now I'm always thinking of how I can use them to introduce children to the latest trends. We're also very excited to expand our virtual reality course offerings this summer.

If you are new to Discover Camp our Hawthorne facility is just 5-10 minutes north of White Plains and features 17 air conditioned classrooms. The school is easily accessible from the Sprain, Taconic, Bronx River, and Saw Mill River Parkways.

During the school year our children are more stressed than ever as our schools are mandated to give more tests and fight for rankings. I believe Discover Camp allows children the summer break they need while feeding their love of stimulating, enriching, and hands-on-experiences.

Truly yours,

*Anthony and Sabrina Rich and Family
Founders and Directors*



*Mr. Rich, his wife Sabrina
and daughters, Ariana and Olivia*



DIRECTORS

Dear Parents,

As my own children have become school age, I can't help but reflect on how quickly life flies by. Over the past twenty years as a fifth grade teacher, I have worked with all learning styles. The one thing that holds true, no matter the person, is the link between success and passion. Discover Camp provides children with opportunities to learn with passion. It helps children self-identify at a much younger age than any previous generation.

I was lucky to learn at a young age that I wanted to become an educator. When I was a freshman in high school, I met a teacher who made a positive impression on me. I knew right then that I wanted to do the same for others. My heart and mind was set on being a teacher, a coach and eventually a principal.

I moved from Rochester, NY in 1995. Upon graduation from Iona College in 1999, I began working at P.S. 24 in the Bronx as a fifth grade teacher. It is there, working with Columbia's Teachers College, where my foundations and philosophies of teaching were born. It is there where I caught the progressive bug for constructivist learning. Upon completing a masters degree in reading from Lehman College and a professional diploma in teacher leadership from Bank Street School of Education I ventured into the realm of Westchester County teaching.

In 2003 I began teaching fifth grade at the Anne Hutchinson School in Eastchester, NY. This is where I met Anthony Rich. We both shared many of the same qualities and a mutual respect and friendship was born. Mr. Rich provided me with an opportunity to teach with him over the summer where I learned the art of teaching rocketry, but more importantly saw first-hand what a dynamic and unique person he is.

A few summers passed and while Discover Camp grew I earned a master's degree in Educational Leadership and thought I was ready to pursue the next part of my vision, becoming a principal. The problem was not opportunity, but the realization that I never wanted to leave the classroom and that's where Discover Camp has provided me the balance I have always been looking for. As the assistant director, I get the opportunity to take on a leadership role during the summer and teach in the classroom year round, which is truly my passion.

Discover Camp has a special place in my heart. Being a part of its inception has been a rewarding experience. My wife and I were two of the original six teachers when the camp opened. I admire the hard work and perseverance that Mr. Rich has shown from day one and I am not surprised by the camp's growth. I have never met another person who puts as much heart into something as Mr. Rich has put into this camp. Every summer we all get to "Discover" something new and exciting.

Sincerely,

David O'Neil - Assistant Director



Mr. O'Neil with his wife Michele, daughter Brooke, son Colin, and Cody

MEET THE

Hello Families,

Finally my tenth summer at Discover Camp and I can not wait to receive my ten year pin. I can not believe how fast 10 summers have passed. I have seen campers I've taught my first year become counselors and go to college. I truly feel lucky to be working for such a special place.

Discover Camp is more than a job to me. It has developed into a home away from home and a career. I work very closely with Mr. Rich and spend lots of time with him and his family. They have truly made me feel like part of their family.

I have a bachelor's degree in marketing management and a master's degree in education. I spent a year studying abroad in Brazil, where I researched their automotive industry and use of alternative fuel and energy sources. Being immersed in another culture was a very rewarding experience. Not only did it teach me how to accept and be able to communicate with diverse populations but it also renewed my confidence in the resources and talents we have here at home.

Young people today are not only growing up in a technological world but a very global one as well. Opportunities are there for them to be creative, adventurous and inquisitive. I have been able to witness this firsthand by working with Mr. Rich and Discover Camp since 2008.

During the year I am working behind the scenes to create new enrichment activities, exploring the latest innovations, designing the Discover Camp magazine, attending conventions and fairs and coordinating registration. These activities keep me excited and motivated to enhance the camp's impressive program. The best part of my job is meeting families and campers. These interactions truly make me appreciate my job and make me love it even more!

Everyday brings new challenges and new ideas. Part of our philosophy is to make sure Discover Camp is on the leading edge of what is new. All the work done year round comes together for me during the summer when I get to see all the pieces fit into place. By far, one of the biggest highlights is when campers come to me to show me the projects they are working on. I am excited to see what campers do this year. It is truly inspiring for me to see the magic that happens at camp. Discover Camp is a one of a kind place. I wish it was around when I was younger!

Sincerely,

*Anthony Melendez -
Assistant Director*



*Anthony Melendez
And Lucas*



Discover Camp staff BBQ

DIRECTORS

Dear Families,

I'm very pleased to be entering to my twelfth year as the Discover Camp Medical Director. This is my sixteenth year as a career firefighter and an Emergency Medical Technician in Westchester. Every year we strive to make improvements that will benefit the safety of our children at Discover Camp. Our medical office is made up of a registered nurse and a BLS assistant. In addition to the medical office staff, dozens of instructors and counselors are "CPR/AED for the Professional Rescuer and Advanced First Aid" certified, which includes our off-site counselors. Due to the teamwork of all the directors, our medical office is equipped with an AED, oxygen, a nebulizer machine, EPI-PENS, and a collaborative agreement with Phelps Memorial Hospital to administer EPI, so your child doesn't have to. I'm always open to any suggestions to improve medical care for our children, so please do not hesitate to contact me at medical@discovercamp.com.

This summer I will be married to my lovely wife Monica for thirteen years and we have two beautiful daughters, Gabriella and Sabrina. I am excited to be a part of the Discover Camp staff where educational excellence, creativity, imagination, and pure fun is our focus. The bottom line is I really enjoy my summers at Discover Camp and it's much more than just a job.

A few things to please keep in mind. In order for your children to start camp the following items are required. There are no exceptions:

Every child must have the following completed:

- Discover Camp online medical form
- Medication Authorization forms, should your child need to take medications during camp hours. This can be downloaded from our website or simply requested from us.
- Medications must be brought in by an adult and signed off by a medical staff member. All medications must be brought in its original container with an unexpired date. The child's name should be printed clearly on the bottle or package. The prescribing doctor must complete the Discover Camp Medication form for each prescription.

Thank you for your attention to these very important items.

See you in the summer,

*Peter DeBiase -
Medical Director*



Mr. DeBiase, wife Monica, with their children Gabriella and Sabrina



*Medical Director/EMT - Peter DeBiase
Founder and Director - Anthony Rich
Assistant Director - David O'Neil
Assistant Director - Anthony Melendez*



WHY CHOOSE

DISCOVER

CAMP?

1. Camp founders Anthony and Sabrina Rich and Assistant Director David O'Neil are active, well respected public school **teachers with more than 65 years combined** teaching experience.
2. Our student to adult ratio is typically **5:1**.
3. The majority of Discover Camp's teachers are **NYS certified teachers**. Our other instructors have degrees and experience in their chosen fields.
4. Discover Camp actively seeks the most talented teachers and instructors in the area and believes that offering the highest salaries attracts the most talented individuals.
5. We encourage **differentiation of curriculum** to meet a wide range of student abilities.
6. We believe that all children excel when provided with **enrichment activities** and a supportive environment.
7. All **counselors are former campers** of Discover Camp, former students of the directors or are personally recommended by an instructor. Discover Camp does not advertise for counselors. This further reinforces the family atmosphere at camp.
8. Teachers design their own courses and love what they are teaching.
9. Children **select their courses and return year after year**. Every summer we experience a **90% camper return ratio**.
10. 80% of all new campers are referred by existing Discover Camp families.
11. Discover Camp is a safe, fun environment where children can test new classes and have an enjoyable experience while learning something new or discovering a new hobby.
12. We **utilize SMARTBoards** in many of our classrooms which allow our lessons to be interactive.
13. Six Computer Labs: 6 **Dell** labs with 25 laptops each, one **Mac Lab** with 35 Mac Book Pros, one robotics lab with 20 Dell laptops and 24 **iPads** for our teachers to use.
14. The only camp in the US with two **3D printing labs** with over **50 printers** and two **Laser etchers and cutters**.
15. We own all of our equipment and re-invest every year in new technologies.
16. Discover Camp owns the **largest Mini-Z** track in the world. Yes the world!
17. On-site off road radio controlled truck and buggy track.
18. Two state of the art **Virtual Reality Labs**.
19. "No expenses spared" attitude towards investing in the best materials for camp.
20. All classrooms and the cafeteria are **air conditioned**.
21. Discover Camp is quite simply, "**The Best Camp in Westchester!**"-Discover Camp parent

DISCOVER CAMP

Program Overview: Discover Camp is a day camp for children ages 5 - 15. The camp is divided into two sessions. Session I is four weeks long from July 1st to July 26th. Session II is three weeks long from July 29th to August 16th. The day is from 9 am to 4 pm broken up into four 90 minute periods with an hour for lunch/recess. Campers and parents build and create their own schedule based on class offerings. Please refer to pages 64 and 65 for the master schedule. Classes are taught by NYS certified teachers and/or industry professionals with a 5:1 camper to staff ratio. Discover Camp is a place your child can nourish their creativity, spark curiosity, and explore their interests. What will your children DISCOVER this summer?

TUITION RATES + CAMP DATES

2019 Early Registration Rates*			
2019	<u>Morning</u> 9 am - 12 pm	<u>Afternoon</u> 1 pm - 4 pm	<u>Full Day</u> 9 am - 4 pm Lunch Included
Pre-Session June 27th - June 28th	\$100	\$100	\$190
Session I July 1st - July 26th	\$1590	\$1590	\$3010
Session II July 29th - August 16th	\$1250	\$1250	\$2370
Sessions I and II July 1st - August 16th	\$2690	\$2690	\$4780
Save up to \$600 off tuition rates when you enroll by February 17, 2019 for the full summer.			
*Early Registration ends February 17, 2019			
2019 Tuition Rates			
2019	<u>Morning</u> 9 am - 12 pm	<u>Afternoon</u> 1 pm - 4 pm	<u>Full Day</u> 9 am - 4 pm Lunch Included
Pre-Session June 27th - June 28th	\$110	\$110	\$200
Session I July 1st - July 26th	\$1670	\$1670	\$3170
Session II July 29th - August 16th	\$1320	\$1320	\$2510
Sessions I and II July 1st - August 16th	\$2840	\$2840	\$5380
Save up to \$300 off tuition when enrolling for the full summer.			

Registration Dates
Returning Family:
 January 29, 2019 at 8 p.m.
New Family:
 January 31, 2019 at 8 p.m.

Office Hours:
 9:30 am - 4:30 pm
 Phone: (914) 462 - 0360
 E-mail:
 Info@DiscoverCamp.com



PRE-SESSION CAMP INFORMATION

This year most school districts are in session until Wednesday, June 26th. In order to meet the needs of working families we'll be running a modified program on Thursday June 27th and Friday June 28th. Campers will be broken up by age and work through stations run by teachers and counselors. More specific information will be sent through our mailing list.

DISCOVER CAMP EARLY REGISTRATION AND LOYALTY DISCOUNTS

Each year we offer special rates to families that return to Discover Camp and register early. This year we're offering a \$600 discount on early enrollment for the full 7 weeks, full day. Registration must be received by February 17, 2019. The early registration not only helps our loyal families financially but also assists us with planning ahead and hiring staff. The best part about our discount plan is that we do not require full payment until July 31, 2019. Again, it's the commitment we need not the full payment.



SIBLING DISCOUNT

Each year we offer a sibling discount. Two children receive 5% off total tuition, three children receive 10%, and four children receive 20%. Unfortunately discounts apply to tuition only and not to other fees.

HAPPY CAMPER GUARANTEE

If your child is not 100% happy within the first three days of camp we'll refund 100% of your camp tuition no questions asked. Your child's positive summer experience is very important to us.

OPEN HOUSE

Our Open House takes place at camp, 180 Bradhurst Avenue, Hawthorne, NY. This is a great opportunity to meet the directors, instructors, and counselors. Many of our campers often attend as well since open houses are reunions for campers too.

Come Meet Our Instructors

Open House Date:

Sunday, January 27, 2019

1-3 pm

Camp Location:

180 Bradhurst Avenue
Hawthorne, NY 10532

HOW TO REGISTER

Discover Camp utilizes an online registration system. This system allows you to manage your child's dates of attendance, courses, and payments. The system will show you which classes are age appropriate and which classes are open. You must select one class per period for the time that your child is at camp. If you have special requests, please contact the Discover Camp office.

Please visit www.DiscoverCamp.com to enroll. Enrollment for returning families begins January 29, 2019 at 8 p.m. Enrollment for new families begins January 31, 2019 at 8 p.m.

Payment Options We are giving parents two options for payment. You can either pay in full when you register or make automatic monthly installments. Your first monthly installment will be on your day of registration. Your number of payments will be determined on your registration date. The earlier you register the more installments you will have. Final payment will be on or before July 31, 2019. We hope that by doing this, camp payments will be spread out for up to 7 months. Should you wish to withdraw prior to May 1, 2019 there will be a \$200 administrative fee per child. There are no refunds after May 1st.



DISCOVER CAMP "FAMILY AND FRIENDS" REFERRAL PROGRAM



Discover Camp has been built on word of mouth and from referrals. We thank families for referring new families with a 2.5% off tuition discount. In addition, we also give this same discount to the new family that is being referred! There is no limit to the number of families you can refer. The registration system referrals will be based on a secret coupon code that returning families will receive in an e-mail. Referrals will be applied directly to your balance or we'll credit your account and send you a check.

DC FEES

Material Fees are for any consumables utilized in a class. These include RC cars, rockets, engines, beads, arts and craft supplies etc. These consumables are either used up and/or taken home by the camper.

Technology Fees are those charged for technology classes that utilize technology like laptops, iPads, 3D printers, laser cutters, digital cameras etc.

Track Fees are used to maintain and repair the off road track.

Ramp Fees are used to annually resurface and maintain the skateboard ramps for the safety of the campers.

Transportation Fees are used for attending off-site classes. These rates are determined by the bus company. Off-site classes include golf, rock climbing, gymnastics, and tennis.

Site Fees are the costs that off-site facilities charge for utilization of their equipment and space.

CLASS CHANGES

All changes must be made by phone or e-mail by June 3, 2019. After this date there will be no more class changes until after the first day of camp so that we can properly prepare for opening day. After the first day of camp you may change classes on Monday evening, or on Tuesday or Wednesday only. **Any changes made thereafter will incur a \$100 per class change fee.** Please understand that changing classes is disruptive to the teacher and other campers which is why we discourage it.



DC SCHEDULE

Morning Schedule	
Early Drop Off	8:00 am - 8:45 am \$40 per week
Drop Off Begins	8:45 am - 9:00 am
Period 1	9:00 am - 10:25 am
Period 2	10:30 am - 11:55 am
½ Day Pickup	12:00 pm
Lunch and Recess	12:00 pm - 1:00 pm
Afternoon Schedule	
Period 3	1:00 pm - 2:25 pm
Period 4	2:30 pm - 3:50 pm
Camper Pickup	3:50 pm - 4:15 pm
Late Pickup	4:00 pm - 5:00 pm \$50 per week
Extended Late Pickup	5:00 pm - 5:30 pm \$25 per week

DC LUNCH

The full day program includes a delicious individual lunch prepared by Gemelli's Catering Service in New Rochelle, NY. Every Monday morning your child will choose their lunch for the next four days (Tuesday - Friday). All lunches can be customized to meet your child's needs. We offer daily specials as well. Every Monday is PIZZA DAY which we order from a local pizzeria. We order plain, sausage, pepperoni, white, gluten free, sauceless, cheeseless pizzas as well as chicken fingers and garlic knots. Lemonade and ice water are served each day. Fresh salad and fruit are offered daily. Our cafeteria is air conditioned. Contact Do'Neil@discovercamp.com for questions about food service.

Sample lunch form

Discover Camp Lunch Menu			
Choose your own Sandwich, Salad, Hot Meal, or Daily Special			
Camper Name:			
Sandwiches and Salads			
Meat	Cheese	Bread	Salads/Add Ons
Ham	Swiss	White	Garden Salad
Oven Gold Turkey	White American	Wheat	Egg Salad
Pepper Jack Turkey	Yellow American	Rye	Tuna Salad
Roast Beef	Cheddar	Bagel	Chicken Salad (with Mayo)
Bologna	Cream Cheese	Roll	Lettuce
Chicken Cutlet	Pepperjack	Wrap	Tomato
Grilled Chicken	Muenster	Gluten Free Wrap	
	Provolone	Gluten Free bread	
Hot Meals			
Mac and Butter	Mac and Cheese	Mac and Sauce	Plain Macaroni
Gluten Free Mac & Cheese	Gluten Free Hot Dog	*****	*****
Gluten Free Pasta w/ butter	Gluten Free Pasta w/ Sauce	Gluten Free Pasta - Plain	Gluten Free Chicken Nuggets
Daily Specials			
Tuesday Special	Wednesday Special	Thursday Special	Friday Special
Hot Dog with Fries	Chicken Fingers	Penne alla Vodka	Cheese Calzone
Chicken Parm Roll	Mozzarella Sticks	Stuffed Shells	Chicken Nuggets

DC KOSHER LUNCH

We are proud to bring back Westchester's best camp kosher lunch menu. For an additional \$50 per week, your child can eat a customized kosher lunch prepared by the following establishments: New Roc Glatt, Prime Time Cafe, Eden Wok or Seasons in Scarsdale. The portions and the food quality are great.

Sample Kosher lunch form

Kosher Option				Kosher Option				Kosher Option				Kosher Option	
Tuesday				New Roc Glatt				Wednesday				Prime Time Cafe	
Thursday				New Roc Glatt				Friday				Eden Wok	
Camper Name:				Camper Name:				Camper Name:				Camper Name:	
Please customize a sandwich OR select a Soup				Please circle one				Please customize a sandwich OR select a Soup				Please select a Lunch Special and a Soup or Egg Roll (Circle one item from each column)	
Meat	Bread	Salads	Soup	Lunch Special				Meat	Bread	Salads	Soup	Lunch Special	Soup
Turkey Breasts	Hallah	Tuna Salad	Chicken Soup	Mac and Cheese				Turkey Breasts	Hallah	Tuna Salad	Chicken Soup	Sliced Beef w/ Broccoli	Egg Drop
Smoked Turkey Breast	Kaiser Roll	Egg Salad	Chicken Noodle	Baked Ziti with Sauce				Smoked Turkey Breast	Kaiser Roll	Egg Salad	Chicken Noodle	Sliced Beef w/ Snow Pea Pods	Wonton
Mexican Turkey	Rye	Pasta w/ Pesto	Vegetable Soup	Cheese Ravioli				Mexican Turkey	Rye	Pasta w/ Pesto	Vegetable Soup	Shredded Beef w/ Garlic Sauce (Spicy)	Hot & Sour
Turkey Pastrami	In a Container	Orzo Salad	Split Pea					Turkey Pastrami	In a Container	Orzo Salad	Split Pea	Pepper steak	Egg Roll
Corn Beef		Chicken Salad	Matzo Ball					Corn Beef		Chicken Salad	Matzo Ball	Steamed Chicken w. Broccoli	
Pastrami		Quinoa Salad						Pastrami		Quinoa Salad		Sweet & Sour Veal	
Roast Beef		Israeli Salad						Roast Beef		Israeli Salad		Steamed Beef w. Broccoli	
Salami								Salami				Sweet & Sour Chicken	
Hard Salami								Hard Salami				Chicken w. Mixed Vegetable	
Bologna								Bologna				Chicken w/ Broccoli	
Circle any condiments needs below:				Circle any condiments needs below:				Circle any condiments needs below:				Circle any condiments needs below:	
	Mayo	Mustard	Ketchup						Mayo	Mustard	Ketchup	Vegetable Lo Mein	
												Vegetable Chow Mein	
												Vegetable Sushi	
												Chicken Nuggets	
*****Please note that kosher pizza from Prime Time Cafe will be served on Mondays								Counselor Name					

OTHER IMPORTANT INFORMATION

- Parent Visitation: Parents will have the opportunity to visit classes during the last week of each session. We have a system in place to make visitation appointments.
- **Camp is closed Thursday the 4th of July in observance of Independence Day.**
- Camp T-shirts, water bottles, and backpacks will be distributed during the first week of each session. Students are encouraged to wear their shirts everyday. Campers will receive five camp shirts.
- Each camper should carry their Discover Camp backpack, a water bottle, sunscreen, and any other personal items they may need. Backpacks and personal belongings should be clearly marked with your child's first and last name. In an effort to be more "green" each camper will receive a Discover Camp water bottle at the opening of camp to reduce the use of plastic cups.
- The camp is not responsible for the personal property of the campers. Campers should not bring expensive items to camp unless they are to be used in a class.
- The Directors reserves the right to cancel or modify any courses if enrollment is insufficient or if a change of instructor is needed. This event is highly unlikely but does occasionally occur.
- The Directors have the right to remove a camper from camp should their behavior be inappropriate, dangerous or interrupt the learning of others.

001-DC Juniors (Entering 1st grade by September 2019)

DC Juniors is the ultimate Discover Camp experience for our first year campers entering Kindergarten or 1st grade. With two certified teachers and six consistent counselors, the Juniors will be exposed to a wide variety of experiences.

DC Juniors do not select individual classes. You simply register for the whole program and the teachers will take it from there. Here are some of the activities the children will be exposed to.

DC Science Chefs - Campers will be in the kitchen experimenting with new and interesting ways to concoct up delicious treats. Campers will learn how to properly measure ingredients and make predictions using their five senses.

DC Arts and Crafts - Will bring out the creative side in each camper and provide opportunities to make their own jewelry, paint portraits of famous people and landscapes, and design their own colorful t-shirts, etc.

STEAM Activities - The instructors have designed a specific experience that includes allowing the Juniors to think critically and provide a unique way to problem solve. This hands-on learning is where they will design, create and build bridges and buildings using ordinary materials like straws, toothpicks and Play Doh. Campers will also have the opportunity to create puppets using a variety of materials.

Literacy Hour - Discover Camp is promoting Literacy with our DC Juniors. During our Literacy Hour campers will engage in group reading activities that allow them to use their imagination. Each day the campers will be introduced to a new book that relates to the specific theme of the week. In small groups, students will read aloud specifically selected books that encourage critical thinking and problem solving skills. Campers will also create storyboards to promote understanding. (example: The Most Magnificent Thing)

Math Games - Campers will be introduced to ability appropriate math games which are fun and educational at the same time. Traditional board games will also be featured from time to time.

Master Lego Builders - Using specially designed Lego kits, the campers will work together to recreate famous architecture from around the world. They will also be able to utilize the stock pile of legos that DC has accumulated over the past 12 years to create their own designs.

Creative Movement - Gross and fine motor skills will be all the buzz during DC's Creative movement. Campers will use combination dice, music and props to express themselves through movement.

Multi Sports - A variety of sports will be introduced to the campers as we work on specific skills that foster teamwork and encourage healthy growth and development. The juniors will participate in sports like soccer, baseball, lacrosse, and many more. They will learn the proper technique of throwing, hitting, passing and participate in team building exercises that promote good sportsmanship. Campers will also be introduced to a new sport and exercise, such as Yoga and Pilates.

This is a sample schedule of activities. Activities may change during the session in order of events and type of offerings:

Time	Monday	Tuesday	Wednesday	Thursday	Friday
9:00-9:30	Morning Meeting Activities	Morning Meeting Activities	Morning Meeting Activities	Morning Meeting Activities	Morning Meeting Activities
9:30-10:15	STEM Activity	Sports	STEM Activity	Sports	STEM Activity
10:15-10:30	Snack	Snack	Snack	Snack	Snack
10:30-11:00	Backyard Sports	STEM Activity	Team Sports	STEM Activity	Sports
11:00-12:00	Science Chefs	Lego Builders	Science Chefs	Lego Builders	Science Chefs
12:00-1:00	Lunch/Recess	Lunch/Recess	Lunch/Recess	Lunch/Recess	Lunch/Recess
1:00-2:00	Arts and Crafts	Board Games	Arts and Crafts	Arts and Crafts	Arts and Crafts
2:00-3:00	Literacy Hour	Literacy Hour	Literacy Hour	Literacy Hour	Literacy Hour
3:00-4:00	DC Lego Builders	Math Games	DC Checkers and Chess	DC Kitchen Science	Math Games

Daily schedule will support that week's theme where applicable.

July 1st-5th : Stars and Stripes (America themed activities)

July 8th - 12th : Out of this world (Solar system themed activities)

July 15th - 19th : Sports Week

July 22nd - 26th : Nationality Week

July 29th - August 2nd : Halloween Week

August 5th - August 9th : Dr. Seuss Week

August 12th - August 16th : Bon Voyage/Hawaiian Week

Half day options are available. The fee per period is \$25. When signing up for this program please select class option 001-DC Juniors for every period your child will be attending



002-Design and Build your own Rube Goldberg Machine!

Rube Goldberg was a cartoonist with a wild sense of invention, creativity, and humor. He drew complicated inventions, laboriously contrived to perform a simple operation. In this class we will design and build wild and wacky machines (Think of the game Mousetrap). Your own imagination and creativity are all you need to build a super Rube Goldberg machine. We will use every type of part imaginable to create our inventions: marble tracks, rubber bands, pipes, clay, levers and more! Students leave with a machine of their own creation.

Session: I

Period: 1 Grades: 2 - 3

Period: 2 Grades: 4 - 6

Session: II

Period: 2 Grades: 2+

Materials fee: \$60

Instructors: Session I:

Daniel Brodsky NYS certified elementary teacher in Scarsdale

Session II: Edward Amato, NYS certified technology teacher at Somers H.S.

003-Introduction to Rocketry- Earn Your Launching License

Build and launch rockets as you use hands-on learning to explore fundamental scientific concepts including Newton's Laws and Bernoulli's Principle. Maximize flight performance through experimentation and the changing of variables. Learn how to safely launch rockets under the careful eye of our rocket experts and their assistants. Campers will build an assortment of introductory rocket kits. Each week campers will compete in launching competitions which will test the students' ability to accurately judge launch variables including weight, aerodynamic efficiency, rocket's engine size, launch angle, wind speed, and direction. Prizes will be awarded for all competitions. Tool safety and correct usage will be strongly emphasized.

Session: I and II

Periods: 1 or 3

Grades: 3+

Materials fee: \$85

Instructor: Jim Fernhoff, NYS certified social studies and special education teacher at New Hyde Park H.S.



004-Advanced Rocketry I- Taking Rocketry to Higher Levels

This class is perfect for campers who have completed Introduction to Rocketry and are ready to take their building skills to the next level. You'll use your skills to design, build and launch rockets of your own creation.

- Build an assortment of advanced rocket kits.
- Build an assortment of advanced homemade bottle rockets.
- Modify rocket kits to improve them
- Design and build custom rockets from parts.
- Tool safety and correct usage will be strongly emphasized.

Each week campers will compete in launching competitions which will test the campers' ability to accurately judge launch variables including weight, aerodynamic efficiency, size of the rocket's engine, launch angle, wind speed, and direction. Prizes will be awarded for all competitions.

Session: I and II

Period: 2

Grades: 4+ and/or the successful completion of Introduction to Rocketry

Materials fee: \$105

Instructor: Jim Fernhoff, NYS certified social studies and special education teacher at New Hyde Park H.S.

005-Advanced Rocketry II- The Academy for the Evil Genius

Use the skills gained in Introduction to Rocketry and Advanced Rocketry I to build, design and launch the rockets that you've designed and created. Kits and instructions are not used in this class. Campers assemble their rockets using the skills that they gained from several years of rocketry experience. Even more rocket parts are provided to choose from. Over the weeks, campers will compete in launching competitions which will test the students' ability to accurately calculate launch variables and design creativity. We will also complete one flying project which will also build upon skills from all three levels. Prizes will be awarded in our design and launching competition.

Session: I and II

Period: 2

Grades: 5+ and/or the successful completion of Intro and Advanced Rocketry I

Materials fee: \$115

Instructor: Jim Fernhoff, NYS certified social studies and special education teacher at New Hyde Park H.S.



006-Model Airplane Building

Enter the world of the Wright Brothers! Wilbur and Orville used free-flight gliders and models to learn the basic principles of flight. In this hands-on class you will do the same by building and flying gliders and rubber band powered aircraft to maximize flight time and height. Use your new skills to explore the basic principles of flight and what makes a good flyer. Learn just as the Wright Brothers did with an added emphasis on creativity. A variety of glider and rubber band powered aircraft will be built and flown from kits. These aircraft are free-flight with pre-set control surfaces that guide the aircraft through the air to achieve the best flight time and height. We will build, fly, crash, repair and then fly again. Experimentation plus knowledge of flight principles are used to improve the flight characteristics of an aircraft.

Session: I & II

Period: 3

Grades: 3+

Materials fee: \$200

Instructor: Edward Amato, NYS certified Technology teacher at Somers H.S.

007-Indoor FPV (First Person View) Drone Racing

This is an introductory class where you will be learning how to fly drones using FPV (First Person View Goggles) to race. We will be flying a small micro quadcopter with a camera and will be upgrading it to make it faster throughout the session. We will be setting up a series of race courses all over the camp and will compete to see who is the best drone pilot. Another important aspect of drone racing is making repairs after you crash (there will be crashes). People involved in drone racing say "If you're not crashing, you're not trying!" The material fee covers the drone, goggles, remote, battery charger, and some replacement parts. The material fee does not cover replacement drones if they are lost.

Session: I

Periods: 3 or 4

Grades: 5+

Materials fee: \$350

Instructor: Vinny Garrison, NYS certified Technology teacher in Nanuet and professional Drone ariel photographer

008-Outdoor FPV (First Person View) Drone Racing

THIS IS AN ADVANCED CLASS! You will need to come to this class with experience flying drones FPV (first person view) using goggles. We will be flying an advanced drone that is capable of high speeds. You must have experience flying smaller slower drones. Another important aspect of drone racing is making repairs after you crash (there will be crashes!) The material fee covers the drone, goggles, remote, battery charger, and some replacement parts. The material fee does not cover replacement drones if they are lost. If you do not have the goggles from the indoor fpv class the cost will be an additional \$100.

Session: I

Period: 2

Grades: 6+

Materials fee: \$350

Instructor: Vinny Garrison, NYS certified Technology teacher
Prerequisites: Must have taken FPV last summer.

***New 009-Elite Outdoor FPV (First Person View) Drone Racing**

This class is being offered to select returning campers only. During the previous summer/s these campers have proven themselves as masters of FPV drone racing and have qualified for this exclusive class that has extremely limited enrollment. These campers will be flying a larger brushless drone capable of extremely high speeds. The materials fee will cover: A new drone, remote, replacement parts, batteries, and the battery charger. The campers will be using the goggles from last year's advanced drone class. The class will not be available in the online registration system. On the evening of registration select 999-"No Class Selection" for period 1 and send an e-mail to info@discovercamp.com. We will confirm your name is on the invitation list and add the class to your schedule. You may also contact us before registration to ensure your name is on the list.

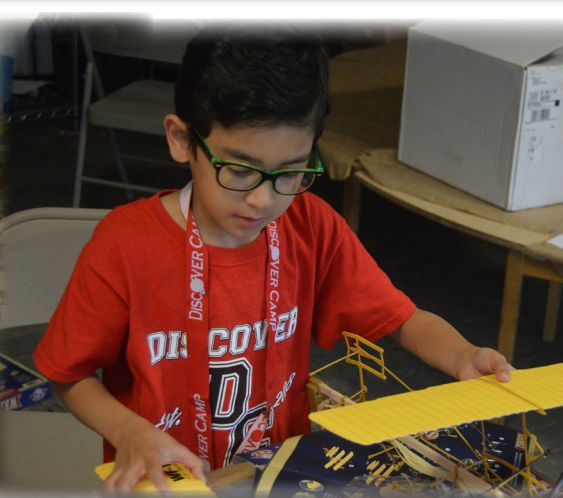
Session: I

Period: 1

Grades: Invitation only

Materials fee: \$400

Instructor: Vinny Garrison, NYS certified technology teacher
Prerequisites: Invitation only. New goggles are \$100 if needed. The material fee does not cover lost drones



010-Multi-level Chess

Campers will learn to play chess for fun and mental agility. Chess is an excellent forum for competition and sportsmanship. Chess develops life skills including focus, reasoning, decision-making, and strategic thinking. It's the king of games and the game of kings (and queens)!

Topics include:

- Rules of Play
- Understanding the Chessboard: Ranks, Files Diagonals
- Pieces: Names / Values / Moves
- Algebraic Notation: Reading and writing chess moves
- Check / Checkmate / Stalemate
- Attack / Capture / Defend
- Special moves: Castling / Promotion / En passant
- Basic Checkmates
- Tactics: Pins / Forks / Double attacks
- Full Game
- Time, Space, Material
- Solving Checkmate Problems

Session: I & II

Periods: 2 or 3

Grades: 2+

This is a multi-level class. Students will play against campers of similar abilities regardless of age.

Materials fee: \$0

Instructor: Silvio Rosato, has been teaching chess for 20+ years.

During the school year, he works with the National Scholastic Chess Foundation teaching in Westchester public and private schools.

011-Pokémon League Level I

Pokémon trainers get ready! In this league trainers will battle, collect, and trade their cards to win prizes and badges. Prizes include booster packs, theme decks and more. Trainers have the opportunity to become Pokémon masters and challenge the gym leader of the camp. Campers will learn math skills such as probability, subtraction, addition, and multiplication while participating in these exciting card games. Your adventure awaits!

Session: I and II

Period: 4

Grades: 2+

Materials fee: \$50

Instructor: Ryan Sinnott world ranked Pokemon trainer and afterschool DC instructor



012-Pokémon League Level II

This Pokémon League class is designed for returning campers who have already taken Pokémon League I and have their own starter deck. Campers will receive additional booster packs to bolster their already formidable collection. This advanced class focuses on deck building, strategy, and tactics.

Session: I and II

Period: 4

Grades: 2+

Materials fee: \$50

Instructor: Ryan Sinnott
world ranked Pokemon
trainer and afterschool DC
instructor

013-Dungeons and Dragons Level I

D&D is an imaginative, social experience that engages players in a rich fantasy world filled with larger-than-life heroes, deadly monsters, and diverse settings. There are many great reasons to share D&D with kids. Besides being the kind of imaginative play that kids naturally engage in, Dungeons and Dragons develops an array of essential educational skills including:

- Math, reading, and writing skills
- Cooperation and leadership
- Problem-solving
- Creative thinking

Session: I and II

Period: 3

Grades: 3+

Materials fee: \$50

Instructor: Bob Sinnott,
certified elementary school
teacher at Windward school

014-Dungeons and Dragons Level II

This Dungeons and Dragons class is designed for returning campers who already have experience playing Dungeons and Dragons 5th edition. This advanced class focuses on character design, leveling up, and advanced rules and tactics.

Campers will further develop an array of essential educational skills, including:

- Math, reading, and writing skills
- Cooperation and leadership
- Problem-solving
- Creative thinking

Session: I and II

Period: 3

Grades: 4+

Materials fee: \$50

Instructor: Bob Sinnott,
certified elementary school
teacher at Windward school



DISCOVER CAMP



***New 015-Magic The Gathering and Strategic Table Games**

The past decade has seen a surge in popularity for an unexpected industry: tabletop board games. This class will introduce students to the world of strategic board gaming. These aren't your parent's board games! Titles like Settlers of Catan, Ticket to Ride, Pandemic and Magic: The Gathering, are just a few of the innovative games that students will learn to play. Unlike some of the more traditional board games (Monopoly, Risk, Stratego etc.), these modern classics emphasize specific game mechanics that favor ability over luck. The class will focus on skills such as probability, critical thinking, teamwork, planning, organization, and social interaction. The Golden Age of board gaming is upon us. What are you waiting for?

Session: I and II

Period: 4

Grades: 4+

Materials fee: \$50

Instructor: Bob Sinnott, NYS certified elementary school teacher at Windward school

016-Warhammer Level I

Warhammer is a tabletop strategy game where you are the general of an army. Warhammer takes the skill and strategy of chess and transforms it into a game of endless moves and possibilities. You will build and customize your very own army. Campers literally build their army. Everything from gluing to painting is yours to control. Once your army is built, the world of Warhammer awaits your challenge! This is a multi-level class. Beginners and advanced campers are welcomed!

Session: I and II

Period: 1

Grades: 3+

Materials fee: \$90

Instructor: Bob Sinnott, NYS certified elementary school teacher at Windward school

017-Warhammer Level II

This Warhammer class is designed for returning campers who already have Warhammer armies. Warhammer Level II focuses on army design, advanced painting, learning the rules of play, strategies of defense, attacks, and probability. This is a multi-level class. Campers also will be able to order additional pieces for an additional fee.

*Pre-requisite Warhammer Level I

Session: I and II

Period: 1

Grades: 3+

Materials fee: \$25

Instructor: Bob Sinnott, NYS certified elementary school teacher

018-X-Wing-Discover a new strategy game

If you love strategy and Star Wars, this is the hobby for you! Control the most advanced star fighters and outstanding pilots in the galaxy! In X-Wing Miniatures Game, you take the role of squad leader and command a group of merciless Imperial or daring Rebel pilots in furious ship-to-ship space combat. Featuring stunningly detailed and painted miniatures, X-Wing recreates exciting Star Wars space battles from small engagements of only a couple of crafts, to large conflicts where multiple squadrons clash. Select and equip your ships, pick your crew, plan your attack, and complete your mission.

Students will learn:

- Basic rules and strategies of the game.
- List building and game theory.
- Tactics which include measuring distances and angles, setting maneuvers and planning attacks.
- Basic mathematics and probability.

Students will receive all necessary tools and models to play. Additional pieces will be available for order at an extra fee.

Session: I and II

Period: 2

Grades: 4 +

Materials fee: \$50

Instructor: Bob Sinnott, NYS certified elementary school teacher at Windward school

019-Siege Machines Plus

Siege machines have been used since the days of Alexander the Great. Long before modern weaponry there were siege machines such as catapults, battering rams, and trebuchets. Siege machines were designed to break or go over city walls. These machines used mechanical energy to launch large projectiles to batter down stone walls or destroy what was inside the walls. Campers will put a modern spin on these machines by creating their own. Campers will also learn about the science and dynamics of how this technology was used and incorporated into history. Campers will build and test out catapults, trebuchets, Da Vinci machines and more.

Session: I and II

Period: 4

Grades: 4+

Session I Material fee: \$125

Session II Material fee: \$100

Instructor: Jim Fernhoff, NYS certified social studies and special education teacher at New Hyde Park H.S.

020-“App Genius” Game Creator

Ever wonder how apps are created or have a great idea for an app game? Our App Genius course will guide campers through the process of planning, creating, and testing a game that can be played on computers or smart phones. The program used is completely “drag and drop” and requires no prior coding knowledge, but still teaches campers the basics of program design.

Session: I and II

Period: 4

Grades: 5+

Technology fee: \$25

Membership fee: \$55

Instructor: Rick Kline, computer science professor at Pace University

*New 021-Scratch 3.0

Scratch, a programming language developed by the MIT media lab, makes it easy to create interactive stories, games, animation, music and art, and to share these creations on the web. As students create and share projects, they learn important mathematical and computational ideas while also learning to think creatively, reason systematically, and work collaboratively. Students will also learn about circuitry when they experiment with Makey Makey external circuit board to create interactive art. In this class we will create interactive games, animations with dialog, interactive art and more! Scratch is a true beginning programming language that is not only fun, but a bridge to later coding such as Arduino and Java.

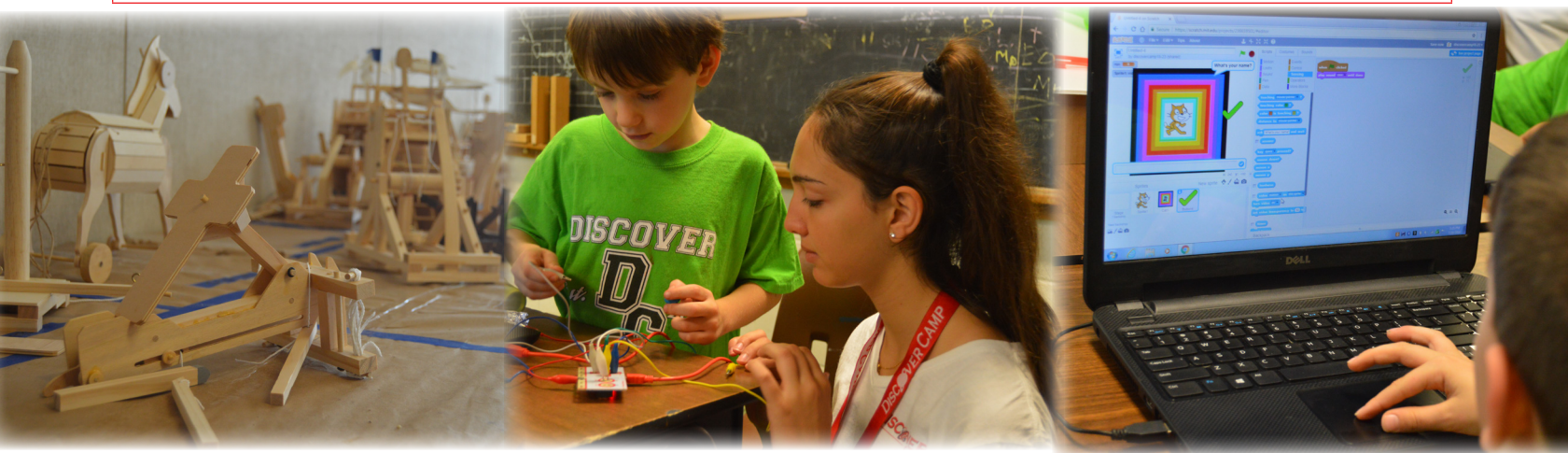
Session: I

Period: 3

Grades: 3-5

Technology fee: \$25

Instructors: Lisa Kraushaar, Fashion Institute of Technology graduate



022- Scratch Coding with Mbot Robots

Scratch, a programming language developed by the MIT media lab, makes it easy to create interactive stories, games, animation, music and art, and to share these creations on the web. As students create and share projects, they learn important mathematical and computational ideas while also learning to think creatively, reason systematically, and work collaboratively.

Campers will each get their very own Mbot, a friendly robot! Mbots are programmable robots that will unleash camper imagination.

Session: I Period: 4

Session: II Period: 1

Grades: 3 +

Materials fee: \$120

Instructor: James Amodio, NYS certified physics teacher at Riverside H.S in Yonkers NY

023-Game Design with Construct 2

This introduction to game creation class will invite campers into an exciting world. Campers will have the opportunity to produce their own games using HTML5 game creator Construct 2. Students will learn how to produce games without having to learn a computer language. Students will learn the principles of programming in a fun and engaging way. Students can share their games on the Google Play store and download as an app on their personal devices.

Session: II

Period: 3

Grades: 5+

Technology fee: \$25

Instructor: Karen Connell, NYS certified computer science teacher at Tappan Zee High School

024-Game Design Using Roblox

Roblox is a game design program where campers will learn how to design and create their own gaming world that they can then actually play in! There are a variety of different game templates the campers will be able to choose from. Some templates give campers a theme like a pirate island, a castle, western, or city while others are built for specific genres of games like racing, capture the flag, infinite running, and team areas. Roblox is also an online community of professional and amateur game designers who create and play each other's games. Campers can use Roblox on any PC or Apple product so they can take their work from camp home with them!

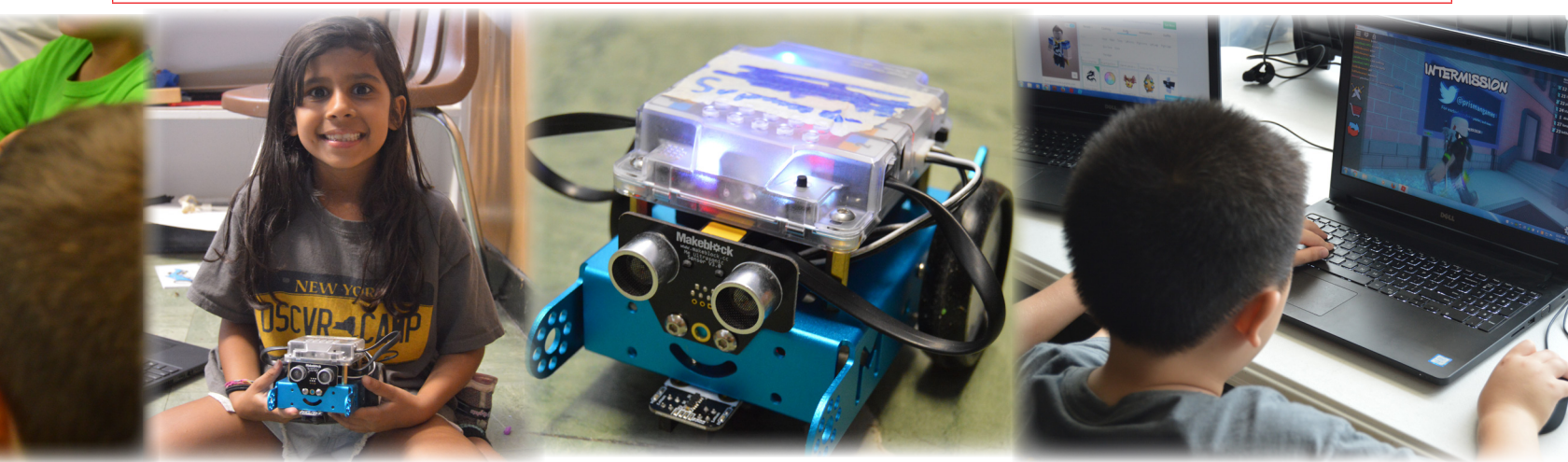
Session: I and II

Period: 2

Grades: 4+

Technology fee: \$25

Instructor: Ryan Sinnott, DC after school instructor and gaming enthusiast



DISCOVER CAMP



025-Minecraft! What Will You Create?

Minecraft is a game about discovery. Discovering what's beyond the horizon. Campers will explore new cave systems, projects others have created, and new features released into updates. Campers will be in an environment of like-minded people who share the same passion for Minecraft. Inexperienced players are welcomed and encouraged to join this class. The game is being used to teach more than just computer skills. It easily lends itself to science, technology, engineering and math explorations.

Session: I and II
Periods: 1 or 3
Grades: 2+
Minecraft edu fee: \$10
Technology fee: \$25
Instructor: Ryan Sinnott, DC after school instructor and gaming enthusiast

026-3D Design Using Minecraft*

We've combined two of the most popular classes at DC, 3D design and Minecraft. Using Tinkercad, children will design 3D structures that will then be imported into Minecraft. The Tinkercad program allows designs to be more complex and detailed. Campers will be creating structures from the past, present, and their imagination. Campers can build their dream house or an impenetrable fortress. Perhaps the Roman Colosseum, the Eiffel Tower, or the Great Wall of China. Maybe their favorite sports team's stadium or the Golden Gate Bridge or even some local attractions like Playland. Different mods to Minecraft can bring in different styles of designs. Campers do not need to be Minecraft experts, but an understanding of the game will help.

Session: I and II
Period: 4
Grades: 3+
Minecraft edu fee: \$10
Technology fee: \$25
Instructor: Nate Steward, NYS certified social studies teacher at Windward School and gaming enthusiast
*Please note this is not a Minecraft free-play gaming session



027-Minecraft Virtual Reality

The Minecraft VR class opens the door for students to experience their creations in an immersive 3-D environment. Have you ever wondered what it would be like to walk into your Minecraft base and experience your architectural prowess? Now you can view your Minecraft creations with Oculus Rift goggles in the new Minecraft VR class. Campers will be challenged to build structures that integrate the necessary infrastructure to allow their Minecraft world to flourish. The Minecraft VR journey begins one block at a time. Campers will build in Minecraft outside of a VR environment and have the opportunity to view and test their creations in a VR environment to enhance their perspective.

Session: I & II
Periods: 2 or 3
Grades: 4+
Minecraft edu fee: \$10
Technology fee: \$50
Instructor: Nate Steward, NYS certified social studies teacher at Windward School and gaming enthusiast
 *Please note this is not a Minecraft free-play gaming session

028-Introduction to Virtual Reality

Welcome to the future. Campers will be using a web based app to create scenes that will enable them to travel using various devices. Campers will be creating environments and stories that they will be able to test out and share. Students will learn about geometry, textures, and camera angles. Students will also have the option to code aspects of their virtual worlds using JavaScript. The main focus of this class is creation and development not being on a virtual reality device the entire time. Discover Camp has several Oculus Rift VR devices. Campers can use personal devices like an iPhone or Galaxy phones to visit their creations with Google Cardboard.

Session: I and II
Periods: 1 or 4
Grades: 4+
Material fee: \$15
Technology fee: \$50
Instructors: Andrew McIntosh, NYS certified technology teacher
 Session II Karen Connell
 NYS certified computer science teacher

029-Advanced Virtual Reality Using Unity

The “Advanced VR” class will challenge students to design immersive gaming environments using Unity. Campers will have the opportunity to design scenes and program various aspects of their game. Students will learn about geometry, textures, materials, and lighting. Campers will also have the opportunity to view their games in a VR environment using Oculus Rift goggles.

Session: I **Periods:** 2 or 3
Session: I **Period:** 2
Grades: 5+
Technology fee: \$50
Instructors: Andrew McIntosh, technology teacher at Tappan Zee School
 Session II Karen Connell
 computer science teacher at Tappan Zee

***New 030-3D Animation & Modeling**

Three-dimensional technology is at the forefront of animation, modeling, architecture, and design. Various careers utilize 3D modeling to facilitate the creation of buildings, tools, products, and more. Campers will view creations in the Oculus Rift goggles. Campers will design models, pictures, and anything else they can imagine in 3D. However, unlike 3D computer programs where campers could only view their creations on a 2D screen, this class will use virtual reality (VR). Using the VR headsets, campers will be able to fully immerse themselves in their 3D projects. Campers will learn architecture, texturing, design, and how to utilize VR to enhance the designs. Campers do not need any VR experience, but an understanding of and interest in 3D design will help.

Session: I & II

Period: 1

Grades: 4+

Technology fee: \$50

Instructor: Nate Steward, NYS certified social studies teacher at Winward School and gaming enthusiast

031-Introduction to 3D Printing and Design – The Next Dimension

Years ago, Discover Camp was the first camp in the country to integrate this emerging technology into a summer camp class. In this course campers will begin to explore ways to design and create real 3D objects and bring them to life. Campers will be introduced to the world of 3D printing by learning how this ground breaking technology works and where it is presently being used in society. They will learn how to navigate and use websites such as Thingiverse.com and Tinkercad.com. At first, students will learn to print designs that currently exist. Campers will then move on to modifying existing designs and creating and printing their own original designs.

Session: I **Periods:** 1 or 4

Session: II **Periods:** 2 or 4

Grades: 4 +

Materials fee: \$100

Technology fee: \$25

Instructors: Steve Martin, NYS certified technology teacher at Nanuet H.S.

***New 032-3D Printing Creators (Intermediate)**

Calling all architects and designers! Come learn about famous architecture, create cities, design communities, and learn what it takes to become an architect! We will take Tinkercad to the next level to bring our designs to life and the 3D printers to create our models all while learning about famous structures around the world.

Session: I & II

Period: 4

Grades: 5+

Materials fee: \$100

Technology fee: \$25

Instructor: Mary Rosenberg, NYS certified art/technology teacher at Tarrytown H.S.

Lisa Kraushaar, Fashion Institute of Technology graduate

Prerequisite: 3D printing course



***New 033-Architecture and 3D Printing (Intermediate)**

This class will focus on the design of buildings, both interior and exterior. Students will explore several architectural styles of houses, famous buildings, and interior design. The design software Tinkercad will be used to create 3D printable models. Experiences in 3D printing and Tinkercad are highly recommended.

Session: I

Period: 2

Grades: 4 +

Materials fee: \$100

Technology fee: \$25

Instructor: Steve Martin,
NYS certified technology teacher at Nanuet H.S.

034-3D Printing Inventors - Solutions to Everyday Problems (Intermediate)

Campers, prepare to become inventors, designers, and creators! Every week we will have a new challenge where you can use your creativity and knowledge of 3D printing to create unique and intricate creations. Campers will brainstorm problems they may find around their room, house, camp and then re-engineer simple machines in Tinkercad to create a solution and 3D print a working prototype. Campers should have experience with 3D design software, such as Tinkercad and be comfortable creating and using 3D printers independently.

Session: I Period: 1

Session: II Period: 2

Grades: 5+

Materials fee: \$100

Technology fee: \$25

Instructor: Mary Rosenberg, NYS certified art/technology teacher at Tarrytown H.S.
Lisa Kraushaar,
Fashion Institute of Technology graduate
Prerequisite: 3D printing course

035-3D Printing Designers (Intermediate)

Campers will take 3D design to the next level in this class. Everyday, 3D Inventors is designed to challenge campers with weekly themes. The weekly themes are.

- 3D Engineers - Design and print solutions to everyday problems.
- 3D Printing Challenge - Design and 3D print solutions to a challenge.
- 3D Toy Creation - Create your own toys using Tinkercad.

*Students should have prior 3D printing experience and/or CAD experience. The majority of the class will be spent designing and engineering using the Tinkercad program.

Session: I & II

Period: 3

Grades: 4 +

Materials fee: \$100

Technology fee: \$25

Instructor: Steve Martin,
NYS certified technology education teacher at Nanuet H.S.



***New 036-Autodesk Inventor (Advanced)**

Are you ready for a real engineering experience? Autodesk Inventor is a professional Computer Aided Design software that is used in many high schools, colleges, and engineering firms. Campers will be introduced to 3D mechanical design, measurement, and prototyping. 3D designs will ultimately be 3D printed. Experience in 3D printing and other computer design software (Sketchup, Tinkercad, etc..) is highly recommended.

Session: II
Period: 1
Grades: 5 +
Materials fee: \$100
Technology fee: \$25
Instructor: Steve Martin, NYS certified technology teacher at Nanuet H.S.

***New 037-Graphic Design & Laser Etching and Engraving**

Fire the lasers! Learn digital design and bring your designs to life with the power of a laser cutter and engraver in the classroom. We'll learn the building blocks of graphic design and use these skills to model a number of different projects. From there we'll use the laser to render those designs in wood, acrylic, and a number of other materials. Laser engravers an innovating industry and are truly a tool of the future. Bringing together computer skills, design thinking, and the power of a laser, this is a truly unique opportunity for fun!

Session: I **Period:** 2
Session: II **Period:** 1
Grades: 4 +
Materials fee: \$75
Technology fee: \$25
Instructor: Mary Rosenberg, NYS certified art/technology teacher at Tarrytown H.S.
 Lisa Kraushaar graduate of Fashion Institute of Technology and works in the jewelry industry

***New 038-Graphic Design, Laser Etching and Engraving (Advanced)**

Fire the advanced lasers! Advanced students will be creating original digital compositions and bring them to life with the power of a laser cutter and engraver in the classroom. We'll learn advanced techniques in graphic design and use these skills to create different projects to display our masterpieces. We'll integrate technology in the display, and use outlets like the lasers to render those designs in wood, acrylic, and a number of other materials. This is a unique way to display your original designs on a material other than paper! We highly recommend that campers take one of the introductory laser etching classes as a prerequisite.

Session: I & II
Period: 3
Grades: 4 +
Materials fee: \$75
Technology fee: \$25
Instructor: Mary Rosenberg, NYS certified art/technology teacher
 Lisa Kraushaar, graduate of Fashion Institute of Technology and works in the jewelry industry



***New 039-Discover Computer Graphics**

In this class we'll start at the beginning to build a strong foundation in how to use computers and create digital graphics. We'll cover the basics from how to navigate file systems to the differences between a jpg, png, and gif. From there we'll grow skills working with both vector-based and bitmap graphics. We'll use image editing and digital illustration to create a variety of different kinds of graphics. Edit yourself into a martian landscape, create a poster for your favorite band or movie, make a web comic, star in your own animated gif and more!

Session: I
Period: 4
Grades: 3 +
Technology fee: \$25
Instructor: Lisa Kraushaar graduate of Fashion Institute of Technology and works in the jewelry industry

040-Build Your Very Own Personal Computer

Campers will learn all the parts that make up a personal computer and then build one of their own from start to finish. Campers will get to know each of the components of a computer and will learn about the price vs. performance trade-offs of each. With this knowledge and with assistance, campers will choose a budget of \$500, \$750, or \$1,000 for their system. They will then select parts that fit the budget and will assemble and test their own personal machine. Each camper will go home with a fully assembled computer running Windows 10. Included components are CPU, motherboard, storage drive, RAM, power supply, computer case, keyboard, and mouse. The base \$500 materials fee will afford a machine with an 8GB RAM and a Pentium Core i3, or RYZEN processor. Campers and parents will decide during the first week whether they will upgrade from the base computer. Some examples are higher-performance components such as a faster processor, an SSD storage device, and/or discrete graphics card. (Monitor is not included.)

Session: I
Period: 2 or 3
Session: II
Period: 2
Grades: 5 +
Materials fee: Range from \$500, \$750 , or \$1000
Instructor: Rick Kline, computer science professor at Pace University







041-Electronic Game Construction

In this class, campers will construct a handheld video game and load classics such as Space Invaders and Attack of the Tomatoes. Students will learn to identify and describe the function of basic electronic components. Campers will be able to properly place and solder these components into printed circuit boards. Elements of programming may be introduced. At the conclusion of the class, campers will have individually constructed handheld gaming systems that they built.

Session: I **Period:** 3

Session: II **Period:** 1

Grades: 6 +

Materials fee: \$120

Instructor: Nick Domanski, NYS certified biology teacher at Newburgh H.S.

042-Electronic Game Construction Level 2

This is a follow up class to Electronic Game Construction I. Campers will continue to enhance their soldering skills with more challenging projects. Various soldering projects will be used to build camper knowledge of different electronic components and better develop camper's soldering techniques. The highlight of this class will have campers constructing the MAKERbuino, a handheld gaming console that includes over 20 games and includes multi-player capabilities.

Session: I and II

Period: 4

Grades: 6 +

Materials fee: \$120

Instructor: Nick Domanski, NYS certified biology teacher at Newburgh H.S.

***New 043-Art with Light and Motion**

Paintings, sculptures, and dioramas can be more than flat and stationary! We will create art projects that include lights, spinning or vibrating parts, or flowing water. Campers will learn about the circuits that make their art light up and move. Possible projects, all with the option of lights and spinning or vibrating elements: Wearables, sewing circuits with Lilytwinkle, tabletop water features, theme based dioramas, canvas painting with lights and moving elements, model building with moving elements.

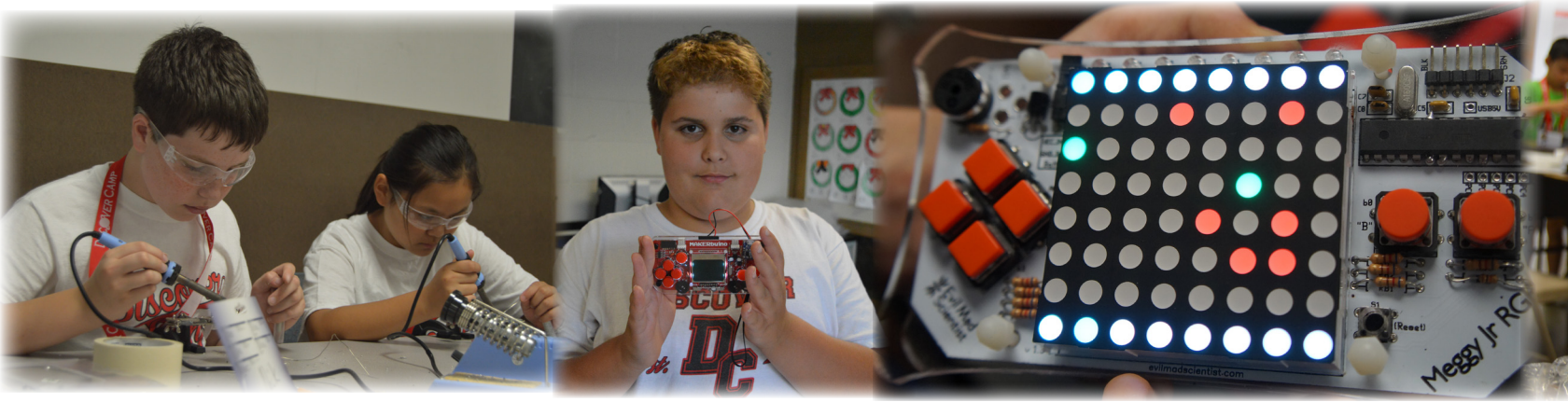
Session: II

Period: 3

Grades: 3 +

Materials fee: \$75

Instructor: Dan Barbuto, electrical technology professor at Dutchess Community College



044-Robots, Racers and Circuits

Campers will learn basic circuit components and then put them together to build projects including a working AM radio (using Snap Circuits), a sweeper robot, a doodling robot, a 'smart' wandering robot, and a mini solar racer. No soldering will be done in this introductory course. The racers explore how propulsion can be achieved with solar energy and wind. The Snap Circuits kit can be used to build over 300 projects.

Session: II

Period: 4

Grades: 2 +

Materials fee: \$120

Instructor: Dan Barbuto, electrical technology professor at Dutchess Community College

045-Alternative Energy Vehicles

Campers will build several cool vehicles, many that run on alternative energy sources. Projects include magnetic levitation (maglev) vehicles, a 6-in-1 transforming solar project, an air motor racer, a hovercraft, and a salt water fuel cell car. Alternative energy such as solar and fuel cells are exciting options for the future of energy. Alternative methods of propulsion for transportation, such as wind motor and hovercraft open new ideas and creativity about how we move from one place to another. Campers will build some projects from kits, others from instructions and raw materials. They will learn to identify and use tools such as angle cutters, long nose pliers, and screwdrivers.

Session: II

Period: 1

Grades: 2 +

Materials fee: \$120

Instructor: Dan Barbuto, electrical technology professor at Dutchess Community College

***New 046-Circuits and Coding Explorers**

This is a follow up class to Robots, Racers, and Circuits. Campers will build advanced projects like a robot arm and a remote controlled configurable racer. Students will control circuits with the popular Arduino micro controller. The proper use of hand tools will be practiced.

Session: II

Period: 2

Grades: 4 +

Materials fee: \$140

Instructor: Dan Barbuto, electrical technology professor at Dutchess Community College



047-Discover Camp Light Sculptures

Harness the latest in lighting technology to create fun and beautiful artistic projects! In this course, campers will use materials like full color LEDs and electroluminescent wire to build pieces of art that they will customize to their own shapes and light sequences. Some projects may respond to motion or sound in changing patterns of light.

Session: II
Period: 1
Grades: 4 +
Materials fee: \$100
Instructor: Rick Kline, computer science professor at Pace University

***New 048-Robotic Kinetic Creatures**

A true STEAM (Science, Technology, Engineering, Art and Math) course where campers will create sculptures of animals from wood, wire, and cardboard which will be animated using small motors. Several animals and animated creations will be covered over the summer, starting with the most basic and ending with some free-form personal projects. NO experience is necessary, although careful focus and patience are helpful.

Session: I **Period:** 1
Session: II **Period:** 3
Grades: 5+
Materials fee: \$225
Instructor: James Amodio, NYS certified physics teacher at Riverside H.S

049-Elementary Electricity-The Circuit Playground

We will explore simple circuits while making electric art, play with simple sensors, and design with LEDs. Interesting materials such as conductive inks and paints will be experimented with. The course will end with an experience in programming an interactive light demonstration. No experience required.

Session: I **Period:** 3
Session: II **Period:** 4
Grades: 2-5
Materials fee: \$150
Instructor: James Amodio, NYS certified physics teacher at Riverside H.S



050-Raspberry Pi is Delicious!

What is a Raspberry Pi? It's a full-featured computer that fits in the palm of your hand! These little wonders are very popular for smart DIY electronics projects. Each camper will learn how to set up their own Pi and how to manage it with some basic Linux commands. We will try our hand at Scratch and Python programming, explore the built-in games, run a Minecraft server, and do computer-controlled circuit prototyping. We will have projects using add-on peripherals like a camera to create images, time-lapse videos, sensors and displays so the Pi can interact with our world.

Session: I Period: 1

Session: II Period: 3

Grades: 5+

Materials fee: \$260

Instructor: Rick Kline, computer science professor at Pace University

051-Advanced Raspberry Pi

This is a natural sequel to the "Raspberry Pi is Delicious" course. We will be making a DIY handheld electronic game console using a Raspberry Pi 2 on the inside! The console will be able to play classic Nintendo and Super Nintendo games, as well as other 8 and 16 bit titles. In addition to having taken the first Pi course, experience with soldering is recommended. Prerequisite: Raspberry Pi.

Session: I Period: 1

Session: II Period: 3

Grades: 5+

Materials fee: \$250

Instructor: Rick Kline, computer science professor, at Pace University

052-Introduction to Arduino and Coding

This program will introduce children to Arduino, an inexpensive, open-source platform that combines electronics and text-based programming to create individual "Do It Yourself" style projects. Possible creations with this micro controller include (but are not limited to): alarm clocks, distance detectors, theremins, universal remote controls, simple robots, mini-tanks, and changing LED displays. Course fees include an Arduino board for each camper to take home and some of the remaining materials that might be connected to the board. Campers will start off with basic projects and learn simple electronics and coding. The last two weeks will be dedicated to more personal projects developed by the campers themselves. Both beginners and experienced enthusiasts are encouraged to enroll as the class will have different activity tracks.

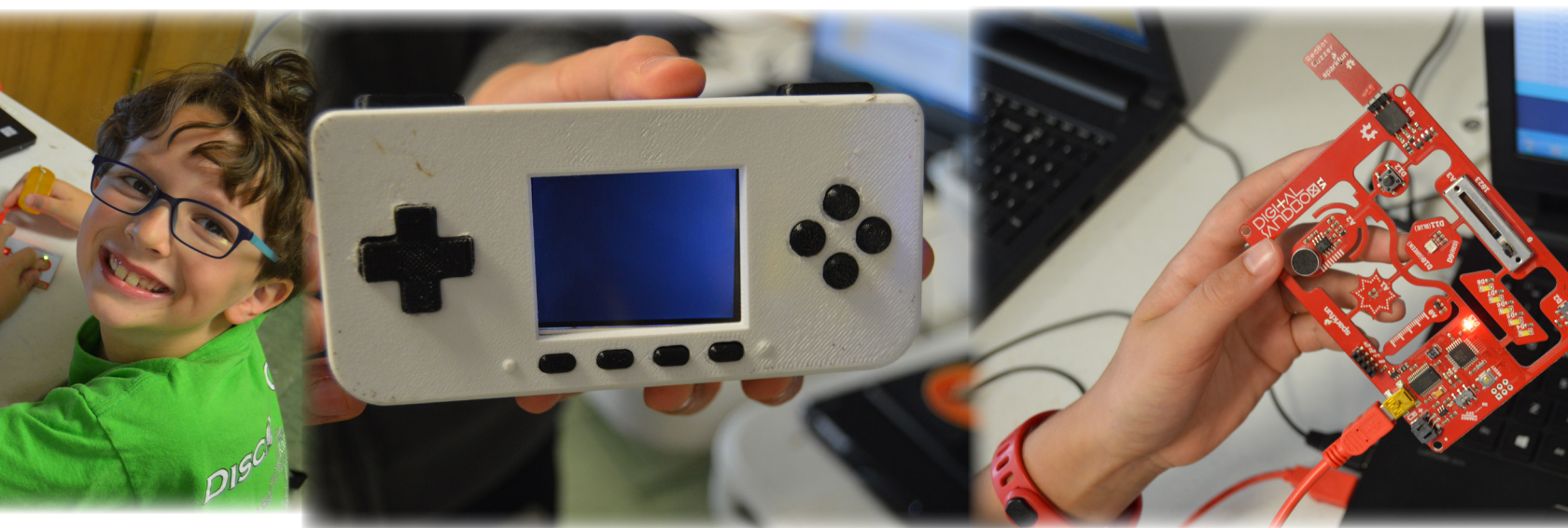
Session: I & II

Period: 2

Grades: 3+

Materials fee: \$140

Instructor: James Amodio, NYS certified physics teacher at Riverside H.S



053-All About Arduino Advanced

This class is a perfect follow up to any of our introductory Arduino classes or for campers with some Arduino experience. The Arduino is an open-source computer hardware/software platform for building digital devices and interactive objects that can sense and control the physical world around them. We will focus on more advanced coding projects using sensors, and campers will create standalone, semi-permanent projects to take home and enjoy. This is in stark contrast to the simple projects from the beginner course that get disassembled almost immediately upon completion in order to build the next one. Projects vary from year to year, and may include: Motion sensors/home automation projects, Nerf turrets, and color-changing gates for drone racing.

Session: I & II

Period: 2

Grades: 5+

Materials fee: \$275

Instructor: James Amodio, NYS certified physics teacher at Riverside H.S

054-LEGO® WEDO Robotics and LEGO Boost

LEGO® Education WEDO™ and LEGO Boost is an excellent way for some of our younger campers to be introduced to LEGO® programming and transition into the EV3 classes. It combines the children's love of LEGO® building with drag and drop programming. Campers will build a variety of models such as lions, soccer players, ferris wheels, cars, helicopters and cranes. After students have built the models, they will write programs that control the model's behavior. Campers will gain experience writing programs using sequential, loop and logic based structures in a Graphical User Interface (GUI) environment very similar to Scratch, which make use of tilt and motion sensors and control motors and lights. Campers will get to bring home their very own LEGO® Boost kit which includes the pieces to build 5 multifunctional robots that can be programmed via a tablet device.

Session: I **Period:** 1

Session: II **Period:** 3

Grades: 2 - 4

Materials Fee: \$160

Techonology fee: \$25

Instructor: Nick Domanski, NYS certified biology teacher at Newburgh H.S. (Campers need to have an iOS or Android tablet device for home use of LEGO® Boost)

055-LEGO® Robotics Mindstorms EV3

The newest and most advanced technology in LEGO® Robotics! Campers will use their previous skills learned during the LEGO® Mindstorms class to create and command robots that walk, talk, and think with all new sensors such as the infrared sensor, which gives robots the ability to see and detect various objects. They can follow the step-by-step 3D building instructions to create Gyro Boy, Tank Bot, Puppy, Stair Climber as well as the massive Elephant! Campers will also have the opportunity to create personalized robots using their imagination in order to solve various missions and tasks. Campers have the chance to bring these robots to life and develop problem-solving skills in an easy, intuitive, and icon-based programming interface which is based on the industry-leading graphical programming language used by scientists and engineers worldwide. The new and improved EV3 Intelligence Brick even allows campers to control their robots directly by connecting them wirelessly to their phones and tablets!

Session: I & II

Period: 2

Grades: 3 +

Technology fee: \$25

Instructor: Nick Domanski, NYS certified biology teacher at Newburgh H.S.

Prerequisite: LEGO Mindstorms

056-LEGO® Mindstorms EV3 Advanced

This class is an extension of LEGO® Robotics where campers will team up to complete various objectives. They will have to work together to design sky carts that can pick up or drop off cargo or design autonomous and semi autonomous robots that can navigate through diverse obstacle courses! Advanced building techniques are introduced as campers build more sophisticated robots that utilize multiple sensors such as the color, infrared and gyro sensor. This is a vigorous and engaging class which is sure to capture the imagination of any camper.

Session: I & II

Period: 2

Grades: 4+

Technology fee: \$25

Instructor: Nick Domanski, NYS certified biology teacher at Newburgh H.S.





057-Stop Motion Animation and High Speed Videography

In stop motion, campers bring their LEGO, clay, chalk drawing, Star Wars, Minecraft figures and much more to life as they explore the world of stop motion animation. Stop-motion animation allows the photographer to tell a story. This style of photography makes a physically manipulated object appear to move on its own. In stop motion, campers will have the opportunity to make their own movies, and also recreate scenes from their favorite movies like Star Wars. Campers will experience the basics of stop-motion animation using digital cameras, iPads, and their imaginations to bring their ideas to life. Also integrated into this class is a slow motion videography component using equipment that can capture up to 1200 fps (frames per second). Campers will be able to slow down time and learn exactly how things work and why.

Session: I Period: 2

Session: II Period: 4

Grades: 4 +

Materials fee: \$25

Technology fee: \$25

Instructor: Edward Amato, NYS certified technology education teacher at Somers High School

058-The Actor, the Writer, the Director (Movie making, Acting, and Filming)

In this class, campers will write, direct, act, and edit their own short films using top of the line camera equipment and editing software. Students will work together collaboratively under the guidance of Michael C. Williams, star of the 1999 hit film The Blair Witch Project. Mike was most recently seen on CBS's new hit show, FBI. He has had guest starring appearances on Law and Order, SVU, and Without a trace. Other film credits include Altered and The Objective. Mike and his wife run MCW Acting Studio where they work with young actors and actresses alike. Mike left his role in Hollywood about ten years ago for a career as a middle school guidance counselor.

Session: I Period: 1

Session: II Periods: 1 or 2

Grades: 3+

Technology fee: \$50

Instructor: Session I: Edward Amato, NYS certified technology education teacher at Somers High School
Session II: Michael Williams, actor and star from the the original Blair Witch Project and Scarsdale Middle School guidance counselor. Michael is also an acting instructor at Jacob Burns Film Center.



059-Discover Rock Band

Are you ready to rock? Discover Rock Band offers hands-on stage experience to play in a band. Campers will improve performance skills, build self-confidence, meet other musicians and acquire valuable team building lessons that last long after camp is over. Campers can expect to learn how to properly use their gear, read music charts, find or create parts and (most importantly) obtain skills for being a positive, productive member in a performance group. Live performances are encouraged and have become an exciting part of each day at Discover Camp.

- Rock and Roll appreciation
- Experience live on stage performances
- Song selection, campers have input which songs are performed
- Campers are challenged to learn songs in a band environment
- Interact and cooperate with other young musicians
- Build self-confidence

Please bring personal instruments you wish to play and we will incorporate them into the band.

Session: I and II

Period: 1 or 2

Grades: 3+

Technology fee: \$25

Instructor: Mike Andrews, has sustained a career in the music industry for over 25 years. NYS Certified music teacher at Wooster School
*Pre-requisite, at least 1 year of private lessons or two years of school group lessons.

060-Digital Music Production

Digital Music will introduce campers to the Apple product, Garage Band. They will explore various instruments of the program and experiment with available sounds and effects. We will discuss common progressions that appear in classic rock as well as modern pop. Ultimately, campers can compose their own songs using the methods that we review in class. At points, they will be free to work on music in the style of their choice. This is a great opportunity for campers to add their own interpretation to common chord progressions found from classic rock to modern pop songs. This class will help campers understand how easy it is to combine their musical ideas with today's technology.

Session: II

Period: 3

Grades: 3+

Material fee: \$30

Instructor: Mike Andrews, has sustained a career in the music industry for over 25 years. NYS certified music teacher at Wooster School
*Pre-requisite at least 1 year of private lessons or several years of school lessons.

061-World Explorations

Future world travelers, this course is for you! Discover different cultures from around the world by exploring food, games and other traditions from a variety of countries. You will be engaged in a range of activities such as listening to music, learning dances, preparing food, making crafts and other cultural components that make each country unique.

Session: I

Period: 3

Grades: 2+

Material fee: \$60

Instructor: Brianna DiRoma, NYS certified Spanish teacher at Westlake Middle School

062-These Images are Alive! Creating and Reading Graphic Novels

Combine your love of art with the power of writing and storytelling! Graphic novels are the result of these creative mediums. Become like the authors and characters that you cannot get enough of! Campers will read and discuss popular graphic novels, storyboard their own ideas, and create their own novels. Journey through the many worlds that today's graphic novels hold and be a part of those stories by creating your own! This course will guide campers through the newest novels and while emulating the authors' and artists' styles.

Session: I and II

Period: 4

Grades: 2+

Material fee: \$25

Instructor: Adam Benveniste, NYS certified English teacher at Eastchester High School

063-Fun with Spanish and Italian

¡Vamos a España! /Andiamo in Italia! You will be engaged in a variety of fun activities like playing games and learning the culture behind these two beautiful languages! Campers will learn how to communicate in both Spanish and Italian through vocabulary, phrases and expressions. You will participate in this hands-on class and learn what makes these languages similar and different. The lessons will be conducted in English with basic Spanish and Italian weaved in. It is a perfect course for beginners. We'll even make a few Spanish and Italian treats in the kitchen and learn new words while cooking.

Session: I

Period: 2 **Grades:** 2 - 3

Period: 4 **Grades:** 3+

Material fee: \$30

Instructor: Brianna DiRoma, NYS certified Spanish teacher at Westlake Middle School

***New 064-Chopped Junior**

Introducing Chopped Junior, an Iron-Chef style cooking competition! In this class, campers work in teams to create culinary masterpieces using the mystery ingredients provided. The rounds are timed, so use the clock wisely! When the clock runs out, it's time for the dishes to be judged on presentation, taste and creativity. Do you have what it takes to be a Chopped Junior Champion?

Session: I

Period: 1

Grades: 3+

Material fee: \$85

Instructor: Brianna DiRoma, NYS certified Spanish teacher at Westlake Middle School

***New 065-Food Network Baking**

Ready, set... bake! Combine your love of cooking and dessert with a class focused on baking sweet treats! In this class, you will bake your favorite foods, including cookies, cupcakes, breads, biscuits, and other yummy pastries. You will also put your artistic abilities to work by decorating with custards, frostings, and creams. You will gain experience in mixing and combining different ingredients, and the best part is... you get to eat your creations after! Each camper will receive a recipe book containing each treat at the end of the session, so you can show off your new skills at home!

Session: II

Period: 1

Grades: 3+

Material fee: \$60

Instructor: Lauren Zeoli, NYS certified secondary teacher at Rye Neck Middle School



066-Food Network - World Tour

This diverse culinary experience allows you to take a tour of the world and learn about new cultures while cooking specialties from countries such as France, Belgium, Japan, China, Italy, Greece, Poland and Mexico. Campers will try new foods, share interesting facts about each country, as well as utilize and improve their kitchen safety and math skills. As young chefs you'll follow international kid-friendly recipes, mixing, chopping, stirring and whisking together ingredients that you have measured to prepare a meal large enough for everyone to try. Each World Chef will receive a recipe book of everything made at the conclusion of each camp session.

Session: II

Period: 2

Grades: 3-6

Material fee: \$60

Instructor: Lauren Zeoli, NYS certified secondary teacher at Rye Neck Middle School

***New 067-Textile Arts: Design and Creation**

In this course, campers will take a textile project from beginning to end. It will start with an exploration of procion dyeing, to create rich fabric, then campers will design their own pillow pattern, constructing the design and embellishing it with beads or embroidery. Expect hands-on learning and demos of several textile techniques. Campers will come home with finished home decor and skills to embark on their own textile designs.

Campers will:

- Understand the art and science of fiber dyeing.
- Learn how to hand sew, embroider, and embellish with beads.
- Construct patterns and transfer their designs into reality.

Session: I

Period: 1

Grades: 3+

Material fee: \$85

Instructor: Lisa Kraushaar, Fashion Institute of Technology graduate

***New 068-DC Amazing Minatures**

Experience the EXCITEMENT of building your very own MINIATURE WORLD! From simple to more advanced constructions, use your imagination to bring your amazing ideas to life! Work with wood, clay, paint, stone, moss, rocks, or anything you can imagine! Let's check out some of the awesome WORLDS or themes you can build in 2019!

Harry Potter; Star Wars; Pirates of the Caribbean; Blue Tropical Islands; Mini Gardens; Mission to Mars; Waterfalls with REAL water effects; World of Avatar; Treasure Island; Magical forests. Bring your favorite book or movie to life. Create your WORLD or theme with rivers, ponds, oceans, mountains, animals & more! All you need is your imagination!

Session: I

Period: 4

Grades: 3+

Material fee: \$85

Instructor: Nicole Alloy is a professional jewelry instructor with a degree in Jewelry Design from Fashion Institute of Technology.



***New 069-Jewelry Making and Creative Crafts**

What could be more fun than learning how to make jewelry? This hands-on opportunity provides campers with an understanding and working knowledge of jewelry artistry. Children will discover the WONDERS of jewelry design by using high quality materials such as Austrian crystal, semi-precious stones and colorful beads from all over the world. Campers will learn basic jewelry making techniques such as wire working, beading, mixed media, metal stamping and sculpting with clay. As part of our jewelry making program children will have a blast creating fun and exciting crafts and wearable art such as, friendship mirrors, pillows, wallets, hair accessories, splatter paint hats, and more!

Session: I Period: 1
Session: II Period: 4
Grades: 2+
Material fee: \$65
Instructor: Nicole Alloy is a professional jewelry instructor with a degree in Jewelry Design from Fashion Institute of Technology.

070-World of Glass and Light Art

Throughout history, artists have been intrigued by the fascinating nature of glass due to its amazing properties. Glass has the ability to transmit, reflect and refract light, making it the perfect medium to produce unique works of art. In this class, students will be engaged in a creative learning environment and challenged to develop decorative works of art using everyday items. Some of our projects include marbled desk accessories, faux stained glass, sun catchers, sea glass candle holders, solar light jars, miniature scenes encased in magical glass worlds, amazing “GLOW” globes, and more! Building upon their glass art, campers will be introduced to the exciting world of Light Art. These projects will be brought to life using a bioluminescent medium which absorbs and stores light energy.

Session: I
Period: 3
Grades: 3+
Material fee: \$80
Instructor: Nicole Alloy is a professional jewelry instructor with a degree in Jewelry Design from Fashion Institute of Technology.

071-Rock Out Your Room!

Welcome to the world of home design and accessories. Have fun and get ready to rock out! This is an awesome opportunity to create and customize your personal space. Design desk accessories, pillows, memory journals, miniature islands with “real water effects” and Rock’n organizers for all your stuff. This class focuses on developing creativity, design skills and critical thinking. Students will explore various mediums to create cool items for that epic room tour. Looking for something different? You’ve come to the right place...this is the hub of artistic self-expression and thinking out of the box.

Session: I
Period: 2
Grades: 3+
Material fee: \$80
Instructor: Nicole Alloy is a professional jewelry instructor with a degree in Jewelry Design from Fashion Institute of Technology.



072-Lotions, Potions and More!

Welcome to the world of homemade bath and body products!

In this class, we will use all-natural ingredients such as essential oils, organic butters and simple everyday ingredients. This program will focus on crafting safe and responsible items that are gentle for you and the planet. In addition, students will design and develop their own brand of unique packaging for homemade items. If you can imagine it, we'll try to create it! In keeping with our organic theme, we will include creating simple and delicious organic desserts. Here's a peek at some of our upcoming projects: Strawberry flavored lip balms, pomegranate and mango body mists, raspberry shower jellies, bubble bars, glimmer body lotions and super cool soaps with fun surprises inside!

Session: II

Period: 1

Grades: 3+

Material fee: \$75

Instructor: Nicole Alloy is a professional jewelry instructor with a degree in Jewelry Design from Fashion Institute of Technology.

***New 073-Glow Art**

Do you love things that glow in the dark? Bio-luminescent objects and creatures that glow in the dark have long captivated our imaginations. The word "glow" evokes images of magical potions, fireflies, glowing jelly fish and amazing mystical worlds. In this class, we use our imaginations to create everything from magical potions to firefly glow jars! Campers will learn fun techniques to create their unique works of art. All you need to bring is your imagination! Various mediums include UV reactive luminescent paint, clay, glass, canvas, organic materials, wood & more! Check out the list of projects coming for 2019...Glow in Dark Jelly Fish Tanks, Firefly Glow Jars, Cool Wall Art, Lava Lamps, Glow in the dark SQUISHIES, Glow Slime, Glow Jewelry, create a Glowing MYSTICAL Forest and more!

Session: II

Period: 3

Grades: 2+

Material fee: \$75

Instructor: Nicole Alloy is a professional jewelry instructor with a degree in Jewelry Design from Fashion Institute of Technology.

***New 074-Color Explosion**

Do you love to experiment? Do you love to create? Then this is the class for you! Color Explosion is all about color, imagination, experimentation and innovation. Ever wonder how to create those super cool painting effects? In this class we'll explore the tips and tricks of the coolest abstract art. It's easy, it's fun, it's Amazing! Mediums include, Acrylic paint, Wood, Glass, Canvas, Fabric and more! Some of our techniques include, Splatter paint, Water Art, Paint Pouring, Marble Art, drip, Ombre effects, abstract watercolor, acrylic cell formation and so much more! This class focuses on lots of experimentation. Art is very individual, our goal is for each child to truly create one of a kind works of art in an exciting and vibrant atmosphere.

Session: II

Period: 2

Grades: 3+

Material fee: \$80

Instructor: Nicole Alloy is a professional jewelry instructor with a degree in Jewelry Design from Fashion Institute of Technology.



075-Discover Sculpting

Here is a hands-on clay class to construct art out of polymer clay to design mini sculptures ranging from delicious food, magical creatures, to everything in between. Some skills the students will be working on are enhancing creativity, sculpting, texturing, making adequate amateurs for each sculpture, using clay tools, learning how to properly cook the clay and using proper layering techniques.

This class will focus on skills including:

- Creativity
- Hand building techniques
- Additive and subtractive sculpture

Session: I & II

Period: 4

Grades: 2+

Material fee: \$85

Instructor: Danielle Poletto, NYS certified Art teacher at Santa Maria Middle School, Phoenix Arizona

076-Discover Drawing

A sketchbook is one of the strongest tools an artist can have. This is where artists are able to construct, keep track of and enhance their every day skills all in one place. In this class students will learn to draw. They will turn shapes into forms, open up the picture plane, draw landscapes, create still lifes, and let their right side of the brain take over. Each camper will receive a sketchbook and learn how to use pencils, charcoal, crayons, ink and dabble a bit in water color. Campers will then turn their sketch book drawings into larger masterpieces. Campers will always be strongly encouraged to use their creativity and imagination.

Session: I **Period:** 2

Session: II **Period:** 1

Grades: 3+

Material fee: \$75

Instructor: Danielle Poletto, NYS certified Art teacher at Santa Maria Middle School, Phoenix Arizona

077-Discover Painting

Feel that inner artist need to create? Love the idea of learning how to use texture to paint sunflowers like Vincent Van Gogh? Do you want to paint a landscape using strong value to bring your painting to life? Do you want to learn proper techniques on how to paint and draw? This painting class will have you open your eyes to color theory, how to mix paint, become comfortable in the art studio and familiarize yourself with tools and materials. In this class campers will be able to :

- Develop perceptions and expression.
- Observe, research, and learn from the work of other artists.
- Explore the painting genres of still life, figure and landscapes.
- Develop and enhance the vocabulary of an artist.

Session: I & II

Period: 3

Grades: 3+

Material fee: \$85

Instructor: Danielle Poletto, NYS certified Art teacher at Santa Maria Middle School, Phoenix Arizona



***New 078-Discover Crafting**

Discover Crafting encourages campers to use independent wisdom to connect to the wonderful world of art through craft. Hands-on activities will help campers develop the understanding, ability, knowledge and capacity to create a visual language in their own art work. This class is intended to stimulate personal response and aid in expression to develop critical thinking in the advancement as an artist. Campers will learn about crafts from yesterday and today. They will have the opportunity to work with many mediums including clay, yarn, wood, paper and multi media to create 2D, 3D, sculptures, paintings, sewings and drawings.

Session: I

Period: 1

Grades: 2+

Material fee: \$85

Instructor: Danielle Poletto, NYS certified Art teacher at Santa Maria Middle School, Phoenix Arizona

***New 079-Discover The Art Masters**

Introduction to Art: Concepts & Techniques is an art appreciation course created for individuals without any artistic background. It will help develop the understanding, ability, knowledge and capacity to create a visual language of their own art work. It will also introduce various art movements, artists, and their artwork. It will teach true hands-on arts techniques while you discover your own creativity. In Discover the Masters campers will understand where art has come from and why it has shaped the world we know today. Students will get their hands dirty and learn how to paint, draw, construct like artists of yesterday and how to recreate the art work of Salvador Dali, Tim Burton, Frida Kahlo, Jackson Pollock and Andy Warhol.

Session: II

Period: 1

Grades: 2+

Material fee: \$85

Instructor: Danielle Poletto, NYS certified Art teacher at Santa Maria Middle School, Phoenix Arizona



Build a Board

Conceived by Discover Camp the “Build a Board” art program is designed to make the experience of building a board as entertaining as skating itself. Campers will learn the art of how a skateboard is made and what it takes to make a professional skateboard deck.

Campers will learn how to mount their trucks, install and remove wheels to clean bearings all while learning a little history behind skateboarding. Campers will then participate in skate lessons.

080-Standard Board

These boards are commonly used for tricks and ramps.

Material fee: \$115

081-Custom Standard Board

Design a custom shape and style skateboard. It can be as unique as any idea in your mind. Set up with standard trucks and wheels to be used on ramps.

Material fee: \$150

082-Cruiser

Cruisers aren’t made for tricks. They have bigger softer wheels for a much smoother ride. They are perfect for long cruises.

Material fee: \$150

083-Longboard

A longboard is very much like a surfboard or snowboard with wheels. It is used for cruising, downhill racing, slalom racing, sliding, and/or transport.

Material fee: \$150

Session: I and II

Period: 3

Grades: 3 +

Material fee: Fees vary, see descriptions.

Instructor: DC Staff



DISCOVER CAMP

084-Introduction to Skateboarding

Campers will learn the fundamentals of skateboarding in a safe and fun atmosphere. The skills campers will learn are pushing, carving, Tic Tacs, kick turns, stopping safely as well as basic skateboarding terminology. Campers will learn how to adjust their skateboards and use the ramps safely and correctly. Throughout introduction to Skateboarding, advanced maneuvers will be taught such as ollie and the kick flip as well as “dropping in” for campers who are ready to take the next step towards advanced skateboarding. A skateboard, helmet, wrist guards, knee and elbow pads are required. For safety concerns, only real skateboards that have urethane wheels and trucks with proper bushings will be allowed.

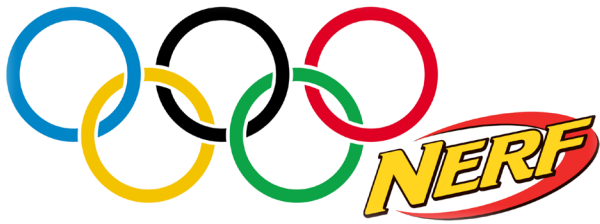
Session: I and II
Periods: 1 or 2
Grades: 2+
Ramp fee: \$10
Instructor: DC Staff

085-Advanced Skateboarding

This class is designed for returning campers or campers with skateboarding experience. Campers will be focusing on enhancing their skateboarding skills in a safe and progressive atmosphere. More challenging tricks and ramp maneuvers will be taught. A skateboard, helmet and wrist guards are required. Knee and elbow pads are also highly recommended for advanced skaters. For safety concerns, only real skateboards that have urethane wheels and trucks with proper bushings will be allowed.

Session: I and II
Periods: 1 or 2
Grades: 2+
Ramp fee: \$10
Instructor: DC Staff





***New 086-Discover Nerf Olympics**

The thrill of running through a camper-designed course! Strategizing and developing group strategies and teamwork! Put your Nerf skills to the test with accuracy and Olympic style events! Campers will engage in cooperative challenges in an instructor-driven, counselor supervised class. Throughout the Nerf class, campers can develop and design target shooting, Olympic style contests (Biathlon, Accuracy, multi-skilled shots), Capture the Flag, Attack and Defend, as well as end of week culminating events. Class periods will focus on team organization, engineering of course constructions, competitive challenges, safety and Nerf instruction. Additional aspects of the class will include engineering principles of course design, physics application of distance and speed with Nerf guns, and creativity/imagination in team building activities. Campers will be able to implement their Nerf materials in a safe and constructive environment with safety goggles and approved apparatus. Campers will be allowed to bring their own Nerf items within reason (Rival, Nerf materials that have darts clips of more than 20, and other varieties are not allowed). The camp will supply all darts, protective glasses, and building materials for the class. Nerf guns will also be supplied for campers that do not own their own.

Session: I Period: 3
Session: II Period: 1
Grades: 4+
Material fee: \$50
Instructor: Adam Benveniste, NYS certified English teacher and coach at Eastchester H.S.

087-DC Basketball

Campers will develop a sense of camaraderie while working toward shared goals with fellow teammates in a variety of fun, skills-based games and activities. Drills will focus on ball-handling, coordination, proper shooting techniques, and aerobic fitness. Our basketball program is non-competitive and prides itself on developing and strengthening your child's passion for sports. All campers will feel comfortable in our program regardless of prior experiences with sports.

Session: I
Period: 1 Grades: 2-3
Session: II
Period: 1 Grades: 2-3
Period: 2 Grades: 4+
Material fee: \$0
Instructor: Ben Newberg, NYS certified physical education teacher at Success Academy in Manhattan, NY

088-DC Soccer

Discover Camp soccer focuses on the camper's individual skills and works to improve those skills over 3 or 4 weeks through modeling, drills, games, and scrimmages. The professional staff made up of both men and women are all soccer players who are or have been part of high level soccer programs. If you love the game of soccer this is the class for you.

Session: I and II

Period: 1 **Grades:** 4+

Period: 2 **Grades:** 2-3

Material fee: \$0

Instructor: Carly Bulaga, certified physical education teacher at the Weber School GA

089-Golf- Swing Like The Pros

Do you want to learn how to play golf? Do you already play, but want to improve your game? If so, sign up for "Swing Like The Pros." You will learn and explore ways to improve your grip, putting stroke, short game and drives. We will use the local driving range and local mini golf to practice our skills and find innovative ways to apply our lessons through fun and healthy competition.

Session: I **Period:** 1

Grades: 3 +

Session I

Transportation fee: \$95

Site fee: \$60

Session II Period: 2

Transportation fee: \$75

Site fee: \$45

Instructor: Adam Benveniste, NYS certified H.S. English teacher and coach at Eastchester H.S.

090-Backyard Games

Campers will be invited to test their accuracy, hand eye coordination, communication, and collaboration skills through our lawn games class. Instructors will create an equally competitive but fun and accepting environment where students test their skills via challenge games. Campers have the opportunity to be outside while trying out new games and activities. KanJam, Ladder Ball, Spike Ball, Cornhole, Horseshoes, and giant Jenga are just a few examples of the lawn games that students will participate in.

Session: I **Period:** 2

Session: II **Period:** 4

Grades: 2 +

Material fee: \$0

Instructor: Connor Cohn, NYS certified economics teacher at Dobbs Ferry H.S.

091-Multi – Sports (Outdoor Sports)

Students will be introduced to a variety of sports in a fun and accepting environment. We mix both popular domestic and popular international sports into the program. The class functions on a three day rotational cycle. Students learn the basic skills and concepts of the sport and work on active kinesthetic drills during the first two days of the cycle. On the third day, the class splits into two teams and plays a game in that sport. Sports offered include but are not limited to: Soccer, American flag football (No contact permitted), Gaelic Football, Stickball and Cricket.

Session: I **Period:** 3

Session: II **Period:** 2

Grades: 3 +

Material fee: \$0

Instructor: Connor Cohn, NYS certified economics teacher at Dobbs Ferry H.S.



***New 092-American Sports**

Each week In American Sports students will focus on one of the following sports: American Football, Ultimate Frisbee, Track and Field and Capture the Flag. They will learn the basic fundamentals and concepts of the sport for the first three days of the week, and the last two days of the week will feature friendly competition based on the skills attained during the prior days. The class will also have a 10-15 minute fundamentals of fitness instruction time where students learn to activate and improve fast twitch muscle performance.

Session: I Period: 1
Session: II Period: 3
Grades: 2 +
Material fee: \$0
Instructor: Connor Cohn, NYS certified economics teacher at Dobbs Ferry H.S.

093-Floor Hockey

Looking for the speed and excitement of hockey but never learned how to skate? Want to master stick handling, puck control, and shooting while having a blast with your friends? Sign up for floor hockey with Coach Benveniste to make the most of your athletic summer. Campers will immerse themselves in the overall rules and strategies of hockey while engaging in 3 on 3 tournaments, All-Star skills competition, and conditioning. The last week will culminate in a Stanley Cup style playoff event.

Session: I Period: 2
Session: II Period: 4
Grades: 4+
Material fee: \$0
Instructor: Adam Benveniste, NYS certified English teacher and coach at Eastchester H.S.

094-Archery and Outdoor Games

Archery is a huge hit at Discover Camp. Campers really enjoy learning and applying the skills of archery. It's not easy at first, but with practice it doesn't take long to improve your skills. Some archery activities include archery trick shots, balloon popping, fruit salad, slow motion archery and shoot the pinata. Campers will also participate in other outdoor activities between their shooting sessions. These games will focus on developing hand-eye coordination.

Session: I and II
Periods: 1, 2, 3, or 4
Grades: 4 +
Material fee: \$35
Instructors: Session I periods 1 and 2 Chris DeGrazia, NYS certified math teacher and archer
 Session I period 3 and 4 and Session II Mike DiMarco NYS certified ENL teacher and archer.

095-Indoor Rock Climbing at The Cliffs

Right around the corner from Discover Camp is "The Cliffs," an indoor climbing facility. Our campers will be treated to a daily lesson in climbing safety, climbing skills and the physics of climbing. A Discover Camp counselor will assist the climbing experts with instruction. Discover Camp counselors have been trained and certified by The Cliffs staff to assist in the class. If you've never seen The Cliffs' facility, it is absolutely breathtaking. The Cliffs is 5 minutes away from camp.

Session: I and II
Periods: 3 or 4
Grades: 2+
Session I
Transportation fee: \$95
Site fee: \$115
Session II
Transportation fee: \$75
Site fee: \$90
Instructor: The Cliffs



096-Indoor Rock Climbing at The Cliffs (For returning climbers)

Right around the corner from Discover Camp is “The Cliffs” an indoor climbing facility. Our campers will be treated to a daily lesson in climbing safety, climbing skills and the physics of climbing.

This class is designed for returning campers who have participated in rock climbing previously. Campers will take their rock climbing skills to the next level on more advanced obstacles and challenges.

Session: I and II

Periods: 3 or 4

Grades: 2+

Session I

Transportation fee: \$95

Site fee: \$115

Session II

Transportation fee: \$75

Site fee: \$90

Instructor: The Cliffs

097-Gymnastics

This class is designed for anyone who is interested in learning the basic fundamentals and skills of gymnastics and acrobatics. This is a multi-level class taught at Westchester Gymnastics which is only 5 minutes from Discover Camp.

Campers will learn:

- Forward and backward rolls
- Back-bends
- Back-walkovers
- Cartwheels
- Round-offs
- Standing back handsprings
- and many more skills

Session: I and II

Period: 4

Grades: 2+

Session I

Transportation fee: \$95

Site fee: \$95

Session II

Transportation fee: \$75

Site fee: \$75

Instructor: Westchester
Gymnastics Staff



***New 098-Discover Ninja Warrior**

Westchester Ninja Warriors is a fitness program inspired by the hit television show American Ninja Warrior. Class curriculum is designed and taught by 4 time American Ninja Warrior veteran and Team Ninja Warrior competitor Noel Reyes. With a hand picked coaching staff selected for their skill in not only completing obstacles but teaching the techniques used to navigate through obstacle courses quickly and efficiently participants will:

- Try obstacles they've seen on TV such as the Warped Wall, Quintuple Steps, Ring Toss and also original obstacle designs by our staff.
- Learn techniques to improve balance and agility to navigate through lower body obstacles.
- Learn techniques for swinging from stationary objects and hanging objects such as monkey bars, ropes, rings and rock holds.
- Learn trampoline techniques to improve jumping height and distance.
- Learn body awareness in space and how to manipulate your body for efficiency through lower body and upper body obstacles.
- Learn how to analyze obstacles and determine the appropriate approach to highlight their individual strengths.
- Attempt full scale obstacle courses in friendly competition style fashion.

Session: I and II

Periods: 1 or 2

Grades: 3+

Session I

Transportation fee: \$95

Site fee: \$115

Session II

Transportation fee: \$75

Site fee: \$90

Instructor: Noel Reyes, Anthony Eardley and Andrew Font, Team Ninja Warrior competitors

099-Tennis

This year we welcome coach and colleague Mrs. Santoro. She's very excited to be back at Discover Camp after an eight year break.

Campers will learn:

- The fundamentals of the game.
- Parts of the court and racquet and tennis scoring.
- Seven basic strokes - serve, ground-stroke, approach shot, volley, overhead, drop shot and lob.
- Introduction to rally skills.

We use fun games and contests to reinforce skills, cooperation and sportsmanship.

Session: I **Periods:** 2 or 3

Grades: 3+

Session I

Transportation fee: \$95

Site fee: \$95

Session II Periods: 1 or 3

Transportation fee: \$75

Site fee: \$75

Instructor: Deanna Santoro
USTA Ranked ranked player and certified elementary teacher at Anne Hutchinson School



The Racing Academy Sequence

The “Racing Academy” series of classes are meant to introduce and guide children through the hobby of building and racing cars and trucks. The common theme here, which is a common thread in many of our classes, is the integration of testing with variables, reading directions and schematic, and the use of tools. This is the sequence of classes for campers:

- Mini 4WD introduces children to reading schematics, using tools properly, identifying parts and building. The children then race their cars and experiment with different setups.
- Mini-Z campers continue to build upon these skills. This is the first real introduction to the radio controlled cars. Children partially disassemble their kits and do small modifications like adding ball bearings to reduce friction or adding new tires to increase traction. They continue to change one variable at a time to test racing characteristics. A heavy emphasis is placed on learning driving skills and maintaining cars.
- Mini-Z Advanced has become a very popular class for those children who love to drive and modify their cars
- Introduction to Racing Academy- Learn the basics of large scaled RC building.
- Intermediate Racing Academy- Campers build cars and trucks from more challenging kits.
- Advanced Racing Academy- These race spec kits are for our experienced builders.

100-Mini-4WD Building and Racing

Earn your Builder’s License in one of our longest running classes. Explore the exciting world of Tamiya’s Mini 4WD cars. These kits are not radio controlled but are assembled from 40 components and raced against competitors on a special track. The key to this class is to make your car go as fast as possible without leaving the special race track. Mini-4WD is a very popular “sport” in Japan and California where events attract thousands of kids. Discover Camp is the only camp in the nation supported directly by Tamiya America.

- Campers are introduced to the process of building from a kit
- Learn to read and follow instruction manuals
- Interpret diagrams, identify, and use tools properly
- Identify components including the names and uses of different screws, washers, bushings, bearings, etc.
- Changing variables to improve performance

Session: I Period: 4

Session: II Period: 1

Grades: 2-3

Material fee: \$80

Instructor: Edward Amato,
NYS certified technology
education teacher, Somers
High School



101-Mini-Z Racing

Earn your driver's license and explore the exciting world of Kyosho's Mini-Z radio controlled cars. Small enough to fit in the palm of your hand they are loaded with tons of performance features. To complement our Mini 4WD program and prepare campers for our Racing Academy campers are taught how to drive a radio controlled car. Again, changing variables is the major skill we emphasize. By changing one variable at a time, campers tune their cars to perform at a higher level. Competition takes place on a specialized track that is changed according to the ability of the group. These radio controlled cars have replacement parts that the campers learn to change. Discover Camp is the ONLY camp in the United States recognized and supported by Kyosho America to run the Mini-Z program.

- Read and follow instruction manuals
- Interpret diagrams
- Identify and use tools properly
- Identify components, including the names and uses of different screws, washers, bushings, bearings etc.
- Alter variables to improve performance
- Learn driving skills and racing techniques

Session: I and II

Periods: 1 or 3

Grades: 3 + Beginners

Material fee: \$230

Instructors: Ely Perry, NYS certified educational technology teacher.

*Mini 4WD is highly recommended as a prerequisite

102-Mini-Z Racing, Repairs, and Upgrades (Returning racers)

Enrollment is strictly limited in this class. This class is designed for returning Mini-Z enthusiasts. Campers will explore the exciting world of Kyosho's Mini-Z radio controlled cars. Campers must have a Mini-Z already and must have taken the Mini-Z class in the past. Campers are given a "budget" to spend to upgrade parts and repairs. The attraction to this class is the wheel to wheel racing that takes place. Campers share upgrade tricks and then modify their cars with the new parts that they purchase. Campers are encouraged to develop independence by repairing and modifying their own cars.

Session: I and II

Period: 2

Grades: 3 +

Material fee: \$95

Must have own Mini-Z.

New Mini-Zs are available for additional charge.

Instructor: Ely Perry, NYS certified educational technology teacher

Prerequisite: Mini-Z



The Racing Academy

Discover Camp's most popular class, The Racing Academy, has been consistently evolving for nearly 25 years and Discover Camp was practically built on this one class alone! In this class campers learn how to build 1/10th radio controlled cars and trucks from kits that consist of over 300 parts. First and foremost a child must develop the patience needed to take on such a large project. Patience cannot be found or practiced, it requires nurturing and we are experts at fostering patience and building skills. In the process, they will be learning about basic tools needed for construction and the proper use of these tools. We teach the children about the various components and mechanics of these kits by teaching them to read the detailed schematics used to assemble the cars. This class introduces your child into a life-long hobby that many of the counselors and teachers have been enjoying for a long time. We've all been building and racing since we were kids and we have no intention of stopping anytime soon! These classes encourage the children to work under the careful guidance of JP Kaminski and his carefully chosen assistants. Several years ago Mr. Kaminski (instructor) created a 1/10 scale, race quality off-road track that gave the offroad campers a chance to learn and test their driving skills over many obstacles. Mr. Kaminski teaches students the importance of track building and maintenance. All campers will be instructed on the value of racing and "marshalling". Marshalls are the people that stand in a non-view obstructing and safe part of the track. These people help the racers in case of roll over or going off the track. What campers learn and are expected to do here will translate directly to any hobby shop raceway.

The Racing Academy is divided up into five distinct groups which must be carefully selected.

103-Introduction to Racing Academy - Traxxas Slash Spec.

Focused around the infamous Traxxas Slash, the campers will be disassembling a truck according to instructions that we have developed ourselves. This class is great for those who want to take that first step into the hobby. The Slash is very straight-forward and is nearly indestructible (we jumped it off a two story roof and it was fine!) After completion, the campers will be able to use our off road track to participate in organized racing events with many of the other Slash trucks at camp. We've built over a thousand Slashes since we introduced it to our camp many years ago so we're certainly experts on this particular chassis. Includes: This class includes the truck kit, remote, charger, 2 batteries, tools and a tool box. The charger and tools will be needed for any future Racing Academy course.

Session: I and II
Periods: 1, 2, 3 or 4
Grades: 4+
Material fee: \$350
Offroad track fee: \$25



***New 104-Introduction to Racing Academy - Traxxas Rustler**

Campers will be disassembling a truck according to instructions that we have developed ourselves. This class is great for those who want to take that first step into the hobby. The Rustler is very straight-forward and is nearly indestructible. After completion, the campers will be able to use our off road track to participate in organized racing events with many of the other trucks at camp. Includes: This class includes the truck kit, remote, charger, 2 batteries, tools and a tool box. The charger and tools will be needed for any future Racing Academy course.

Session: I and II
Periods: 1, 2, 3 or 4
Grades: 4+
Material fee: \$350
Offroad track fee: \$25



105-Intermediate Racing Academy - Slash Spec./Upgrades (for returning or new campers who own a Traxxas Slash)

This class is designed for campers who have already built a Traxxas Slash and wish to spend their time upgrading their cars. This will be done very carefully by first thoroughly cleaning and examining the truck for wear and tear. The campers will be upgrading their stock truck to a race ready truck. The upgrades are designed to bring the slash to a new level of competition. **Included materials: Tires, suspension upgrades, servo, and a new remote and receiver which will be used for future cars and truck builds.**

Session: I and II
Periods: 1, 2, 3, or 4
Grades: 4+
Material fee: \$200
Offroad track fee: \$25

106-Intermediate Racing Academy – Scale Trail Truck

The Sawback is here to take the podium on fit and finish! Designed from the ground up for scale performance and great looks with or without a body, the Sawback does not disappoint. The combination of scale looks and performance parts makes this truck go where you want in style. The new crawler features a heavy-duty C-channel frame. The truck also features a very strong and durable gearbox. The wheels and tires included are a bead lock type tire that will allow for maximum traction in any terrain. The truck will be paired with a strong brushed/esc motor and a high torque servo. The camper will be able to test it on the all new off road crawler course. **Intermediate courses included materials: the kit, remote, receiver, motor/ESC (electronic speed controller), battery and tool box. It does not include the required charger and tools acquired from taking the Introductory Slash Course. These items can be purchased at camp for an additional cost if campers have misplaced these items or want a second or new charger.**

Session: I and II
Periods: 1, 2, 3, or 4
Grades: 4+
Material fee: \$470
Offroad track fee: \$25
Prerequisites: Must have built a Traxxas Slash with DC or any other intermediate or advanced kit at DC



107-Intermediate Racing Academy - On-Road Spec.

Starting with the basic touring car chassis, campers will build from a kit an easy to drive 4WD chassis. Discover Camp experiments with upgrade packages and has developed a plan based around the concept of “best bang for the buck.” After the initial build, campers will be adding an aluminum driveshaft and other drivetrain upgrades. These parts will allow the campers to see the before and after results of their upgrade. **Intermediate courses included materials: the kit, remote, receiver, motor/ESC (electronic speed controller), battery and tool box. It DOES NOT include the required charger and tools acquired from taking the Introductory Slash Course. These items can be purchased at camp for an additional cost if campers have misplaced these items or want a second or new charger.**

Session: I and II
Periods: 1, 2, 3, or 4
Grades: 4+
Material fee: \$445
Prerequisites: Must have built a Traxxas Slash with DC or any other intermediate or advanced kit at DC



108-Advanced Racing Academy - Team Associated Short Course Truck

This class is for the advanced builder and driver who wishes to build an advanced race-level kit. The truck has changed the game with their new Mid-motor design. Team Associated found with today's tracks and faster motors, positioning the motor in the middle of the chassis resulted in faster times. This is a 2-wheel drive short course truck with high performance trimmings like a ball differential, big bore shocks, and upgraded tires. Based on the B5m and T5m, the RC10SC5M Team Kit represents the next step in the evolution of competitive short-course racing. The SC5m shares many of the same Factory Team optional parts that result in improved durability and faster lap times. Factory Team V2 12mm 'Big Bore' shocks, and 'Gull Wing' front suspension are just a few of the SC5m features that make it stand above the rest of the pack! This is a great selection for the advanced builder that is looking to challenge themselves both mechanically and driving. **Advanced Racing Academy courses included materials: the kit, wheels, tires, motor/ESC (electronic speed controller), receiver and Lipo battery. It DOES NOT include the required tools, remote and charger gained by taking the Introductory Slash Course as well as the Intermediate course. These items can be purchased at camp for an additional cost if campers have misplaced these items or want a second or new charger.**

Session: I and II

Periods: 1, 2, 3, or 4

Grades: 4+

Material fee: \$590

Offroad track fee: \$25

Prerequisites: Must have built a car with Discover Camp other than a Slash and/or completed both Intro and Intermediate Level Racing Academy classes



109-Advanced Racing Academy - Stadium Truck

This is a 2-wheel drive stadium truck with high performance trimmings like a ball differential, big bore shocks, and upgraded tires. Parts are all carefully selected by Mr. JP Kaminski, the JPK Special. Since its release, the truck has remained at the top level of national competition. The kit comes with the latest Factory Team high-performance option parts like the V2 12mm "Big Bore" threaded shocks, VTS slipper clutch, just to name a few. Also included in the kit is a Pro-Line body and advanced mid-motor design developed and applied to the race-winning truck platform. The finished product is a potent race truck and has everything it takes to get you to the top of the podium! This is a great selection for the advanced builder who is looking to challenge themselves both mechanically and driving. **Advanced Racing Academy courses included materials: the kit, wheels, tires, motor/ESC (electronic speed controller), receiver and Lipo battery. It DOES NOT include the required tools, remote and charger gained by taking the Introductory Slash Course as well as the Intermediate course. These items can be purchased at camp for an additional cost if campers have misplaced these items or want a second or new charger.**

Session: I and II

Periods: 1, 2, 3, or 4

Grades: 4+

Material fee: \$575

Offroad track fee: \$25

Prerequisites: Must have built a car with Discover Camp other than a Slash and/or completed both Intro and Intermediate Level Racing Academy classes



<p>110-Advanced Racing Academy - Team Associated 2wd Buggy This class is for the most advanced builder and driver who wishes to build an advanced, race-level, kit. These kits have changed the game with their new Midmotor design. Team Associated has found that with today's tracks and faster motors, positioning the motor in the middle of the chassis resulted in faster times. This is a 2-wheel drive buggy with high performance trimmings like a ball differential, big bore shocks, and upgraded tires. Parts are all carefully selected by Mr. JP Kaminski, the JPK Special. The kit delivers the next level of 2wd buggy performance that will continue to be proven a winner. This is a great selection for the advanced builder that is looking to challenge themselves both mechanically and driving. Advanced Racing Academy courses included materials: the kit, wheels, tires, motor/ESC (electronic speed controller), receiver and Lipo battery. It DOES NOT include he required tools,remote and charger gained by taking the Introductory Slash Course as well as the Intermediate course.</p>	<p>Session: I and II Periods: 1, 2, 3, or 4 Grades: 4+ Material fee: \$490 Offroad track fee: \$25 Prerequisites: Must have built a car with DC other than a Slash and/or completed both Intro and Intermediate Level Racing Academy classes</p> 
<p>111-Racing Academy Masters Program(For Returning Campers) This course is designed to let those who have been through most of the other RC Cars and want to build either something more specific to their interests or a kit not mentioned above. Students interested in this course must contact Davis Taylor (dtaylor@discovercamp.com) to discuss which car and parts are going to be needed and determine cost, before finishing registration for the summer. Prerequisites: Must have built a car with Discover Camp other than a Slash and/or completed both Intro and Intermediate Level Racing Academy classes as well as at least 1 of the Racing Academy 3 cars</p>	<p>Session: I and II Periods: 1, 2, 3, or 4 Grades: 4+ Material fee: TBD Offroad track fee: \$25</p>
<p>112-MyLaps (For Returning Campers) This class is for Racing Academy campers who truly want to become better racers. Campers will receive a MyLaps Transponder that is fitted to your vehicle. When you practice on the race track your vehicle triggers the timing system after every lap. When you cross the start/finish line the computer records your progress and calls out your time over the loudspeaker. Campers can use real time feedback to improve their racing skills by changing your speed, improving your racing line or not getting into crashes. Campers keep their MyLaps personal transponder for future racing.</p>	<p>Session: I and II Periods: 1, 2, 3, or 4 Grades: 4+ Material fee: \$120 Offroad track fee: \$25 Contact Davis Taylor with questions (dtaylor@discovercamp.com)</p>
<p>113-Discover Camp Racing & Repairs (For Returning Campers) Any camper who has previously taken The Racing Academy and is interested in racing their vehicles, getting their vehicles back in order or upgrading their vehicles should join this class. The goal of this course is to give each camper the tools they need to refine their RC driving ability and become a faster, better driver. You'd be amazed what a new set of tires or even a suspension change can do to bring down your lap times. We'll be assigning two counselors specifically to this program so that there is ALWAYS someone available to race with the kids or assist with repairs or upgrades. Should a camper require major repairs or upgrades above the materials fees then parents can send a check. We always have plenty of parts on hand or can order from our suppliers.</p>	<p>Session: I and II Periods: 1, 2, 3, or 4 Grades: 4+ Material fee: \$100 Offroad track fee: \$25 Contact Davis Taylor with questions (dtaylor@discovercamp.com)</p>

Discover Camp 2019 Daily Schedule Session I

Choose one class from each column

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002-Rube Goldberg (Grades 2-3) pg 18	002-Rube Goldberg (Grades 4-6) pg 18	003-Intro to Rocketry (Grades 3+) pg 18	007-Indoor FPV Drone Racing (Grades 5+) pg 20
003-Intro to Rocketry (Grades 3+) pg 18	004/005-Advanced Rocketry I and II (Grades 4+) pg 19	006-Model Airplane Building (Grades 3+) pg 20	011-Pokemon Level I (Grades 2+) pg 22
009-Elite Outdoor FPV Drone Racing (Invitation Only) pg 20	008-Outdoor FPV Drone Racing (Grades 6+) pg 20	007-Indoor FPV Drone Racing (Grades 5+) pg 20	012-Pokemon Level II (Grades 2+) pg 23
016/017-Warhammer Level I & II (Grades 3+) pg 25	010-Multi-level Chess (Grades 2+) pg 22	010-Multi-level Chess (Grades 2+) pg 22	015-Magic the Gathering and Strategic Table Games (Grades 4+) pg 25
025-Minecraft (Grades 2+) pg 28	018-X-Wing (Grades 4+) pg 25	013-Dungeons and Dragons Level I (Grades 3+) pg 23	019-Siege Machines Plus (Grades 4+) pg 26
028-Intro to VR (Grades 4+) pg 29	024-Game Design Using Robloks (Grades 4+) pg 27	014-Dungeons and Dragons Level II (Grades 4+) pg 23	020-App Genius Game Creator (Grades 5+) pg 26
030-3D Animation & Modeling (Grades 4+) pg 30	027-Minecraft VR (Grades 4+) pg 29	021-Scratch 3.0 (Grades 3-5) pg 26	022-Scratch Coding with Mbots (Grades 3+) pg 27
031-Intro to 3D Printing and Design (Grades 4+) pg 30	029-Advanced VR (Grades 5+) pg 29	025-Minecraft (Grades 2+) pg 28	026-3D Design Using Minecraft (Grades 3+) pg 28
033-3D Printing Inventors (Grades 5+) pg 31	033-Architecture and 3D Printing (Grades 4+) pg 31	027-Minecraft VR (Grades 4+) pg 29	028-Intro to VR (Grades 4+) pg 29
048-Robotic Kinetic Creatures (Grades 5+) pg 38	037-Graphic Design & Laser Etching (Grades 4+) pg 32	029-Advanced VR (Grades 5+) pg 29	031-Intro to 3D Printing and Design (Grades 4+) pg 30
050-Raspberry Pi Is Delicious (Grades 5+) pg 39	040-Build Your Very Own PC (Grades 5+) pg 33	035-3D Printing Designers (Grades 4+) pg 31	032-3D Printing Creators (Grades 5+) pg 30
051-Advanced Raspberry Pi (Grades 5+) pg 39	052-Introduction to Arduino and Coding (Grades 3+) pg 39	038-Graphic Design & Laser Etching Advanced (Grades 4+) pg 32	039-Welcome to Computer Graphics (Grades 3+) pg 33
054-LEGO WEDO and Boost (Grades 2-4) pg 40	053- All About Arduino Advanced (Grades 5+) pg 40	040-Build Your Very Own PC (Grades 5+) pg 33	042-Electronic Game Construction Level 2 (Grades 6+) pg 36
058-The actor, the writer, the director (Grades 3+) pg 42	055/056-LEGO Robotics Mindstorms EV3 and Advanced(Grades 3+) pg 40	041-Electronic Game Construction (Grades 6+) pg 36	062-These Images are Alive (Grades 2+) pg 44
059-Discover Rock Band (Grades 3+) pg 43	057-Stop Motion and High Speed Videography (Grades 4+) pg 42	049-Elementary Electricity (Circuit Playground) (Grades 2-5) pg 38	063-Fun with Spanish and Italian (Grades 3+) pg 44
064-Chopped Junior (Grades 3+) pg 44	059-Discover Rock Band (Grades 3+) pg 43	061-World Explorations (Grades 2+) pg 44	068-DC Amazing Minatures (Grades 3+) pg 46
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087-DC Basketball (Grades 2-3) pg 53	088-DC Soccer (Grades 2-3) pg 54	091-Multi-Sports (Grades 3+) pg 54	097-Gymnastics (Grades 2+) pg 58
088-DC Soccer (Grades 4+) pg 54	090-Backyard Games (Grades 2+) pg 54	094-Archery & Outdoor Games (Grades 4+) pg 56	100-Mini-4WD (Grades 2-3) pg 60
089-Golf Swing Like the Pros (Grades 3+) pg 54	093-Floor Hockey (Grades 4+) pg 56	095-Indoor Rock Climbing (Grades 2+) pg 57	
092-American Sports (Grades 2+) pg 56	094-Archery & Outdoor Games (Grades 4+) pg 56	096-Indoor Rock Climbing for returning climbers (Grades 2+) pg 58	
094-Archery & Outdoor Games (Grades 4+) pg 56	098-Discover Ninja Warriors (Grades 3+) pg 59	099-Tennis (Grades 3+) pg 59	
098-Discover Ninja Warriors (Grades 3+) pg 59	099-Tennis (Grades 3+) pg 59	101-Mini-Z Racing (Beginners) (Grades 3+) pg 61	
101-Mini-Z Racing (Beginners) (Grades 3+) pg 61	102-Mini-Z Racing (Returning campers) (Grades 3+) pg 61		
103-113- The Racing Academy (Grades 4+) pg 62-65	103-113- The Racing Academy (Grades 4+) pg 62-65	103-113- The Racing Academy (Grades 4+) pg 62-65	103-113- The Racing Academy (Grades 4+) pg 62-65

Discover Camp 2019 Daily Schedule Session II

Choose one class from each column

Period-1 9:00-10:25	Period-2 10:30-11:55	Period-3 1:00-2:25	Period-4 2:30-3:55
001-DC Juniors (Grade 1) pg 16	001-DC Juniors (Grade 1) pg 16	001-DC Juniors (Grade 1) pg 16	001-DC Juniors (Grade 1) pg 16
003-Intro to Rockerty (Grades 3+) pg 18	002-Rube Goldberg (Grades 2+) pg 18	003-Intro to Rockerty (Grades 3+) pg 18	011-Pokemon Level (Grades 2+) pg 22
016/017-Warhammer Level I & II (Grades 3+) pg 25	004/005-Advanced Rocketry I and II (Grade 4+) pg 19	006-Model Airplane Building (Grades 3+) pg 20	012-Pokemon Level II (Grades 2+) pg 23
022-Scratch Coding with Mbots (Grades 3+) pg 27	010-Multi-level Chess (Grades 2+) pg 22	010-Multi-level Chess (Grades 2+) pg 22	015-Magic the Gathering & Strategic Table Games(Grades 4+)pg 25
025-Minecraft (Grades 2+) pg 28	018-X-Wing (Grades 4+) pg 25	013-Dungeons and Dragons Level I (Grades 3+) pg 23	019-Siege Machines Plus (Grades 4+) pg 26
028-Intro to VR (Grades 4+) pg 29	024-Game Design Using Robloks (Grades 4+) pg 27	014 Dungeons and Dragons Level II (Grades 4+) pg 23	020-App Genius Game Creator (Grades 5+) pg 26
030-3D Animation & Modeling (Grades 4+) pg 30	027-Minecraft VR (Grades 4+) pg 29	023-Game Design with Construct 2 (Grades 5+) pg 27	026- 3D Design Using Minecraft (Grades 3+) pg 28
036-Autodesk Inventor (Grades 5+) pg 32	029-Advanced VR (Grades 5+) pg 29	025-Minecraft (Grades 2+) pg 28	028-Intro to VR (Grades 4+) pg 29
037-Graphic Design & Laser Etching (Grades 4+) pg 32	031-Intro to 3D Printing and Design (Grades 4+) pg 30	027-Minecraft VR (Grades 4+) pg 29	031-Intro to 3D Printing and Design (Grades 4+) pg 30
041- Electronic Game Construction (Grades 6+) pg 36	033-3D Printing Inventors (Grades 5+) pg 31	035-3D Printing Designers (Grades 4+) pg 31	032-3D Printing Creators (Grades 5+) pg 30
045-Alternative Energy Vehicles (Grades 2+) pg 37	040-Build Your Own PC (Grades 5+) pg 33	038-Graphic Design & Laser Etching Advanced (Grades 4+) pg 32	042-Electronic Game Construction Level 2 (Grades 6+) pg 36
047-Discover Camp Light Sculptures (Grades 4+) pg 38	046-Circuits and Coding Explorers (Grades 4+) pg 37	043-Art with Light and Motion (Grades 3+) pg 36	044-Robots, Racers, and Circuits (Grades 2+) pg 37
058-The actor, the writer, the director (Grades 3+) pg 42	052-Introduction to Arduino and Coding (Grades 3+) pg 39	048-Robotic Kinetic Creatures (Grades 5+) pg 38	049-Elementary Electricity (Circuit Playground) (Grades 2-5) pg 38
059-Discover Rock Band (Grades 3+) pg 43	053-All About Arduino Advanced (Grades 5+) pg 40	050-Raspberry Pi Is Delicious (Grades 5+) pg 39	057-Stop Motion and High Speed Videography (Grades 4+) pg 42
	055/056-LEGO Robotics Mindstorms EV3 and Advanced(Grades 3+) pg 40	051-Advanced Raspberry Pi (Grades 5+) pg 39	062-These Images are Alive (Grades 2+) pg 44
065-Food Network Baking (Grades 3+) pg 44	058-The actor, the writer, the director (Grades 3+) pg 42	054-LEGO WEDO and Boost (Grades 2-4) pg 40	069-Jewelry Making and Creative Craft (Grades 2+) pg 47
072-Lotions, Potions and More! (Grades 3+) pg 48	059-Discover Rock Band (Grades 3+) pg 43	060-Digital Music Production (Grades 3+) pg 43	075-Discover Sculpting (Grades 2+) pg 49
079-Discover The Art Masters (Grades 2+) pg 50	066-Food Network - World Tour (Grades 3-6) pg 46	073-Glow Art (Grades 2+) pg 48	
084/085-Intro & Advanced Skateboarding (Grades 2+) pg 52	074-Color Explosion (Grades 3+) pg 48	077-Discover Painting (Grades 3+) pg 49	090-Backyard Games (Grades 2+) pg 54
086-Discover Nerf Olympics (Grades 4+) pg 53	076-Discover Drawing (Grades 3+) pg 49	080, 081, 082, 083 Build a Board (Grades 3+) pg 51	093-Floor Hockey (Grades 4+) pg 56
087-DC Basketball (Grades 2-3) pg 53	084/085-Intro & Advanced Skateboarding (Grades 2+) pg 52	092-American Sports (Grades 2+) pg 56	094-Archery & Outdoor Games (Grades 4+) pg 56
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DISCOVER SENIOR CAMPER

The Senior Camper training program has been developed to meet the needs of our 14 year old campers who are dedicated to becoming CITs. Campers who accept this role must be former campers for at least two summers and 14 years old at the start of the summer. A Senior Camper must register for Session I, Session II, or both and will be awarded a 50% scholarship on tuition upon meeting the proceeding qualifications. If your child wants to guarantee their classes they have the option of registering as a regular full tuition camper.

Steps to becoming a Senior Camper:

- 1.) Send letter of interest and request application from Mr. O'Neil at do'neil@discovercamp.com
- 2.) Fill out the online application
- 2.) Conduct a phone interview with Mr. O'Neil
- 4.) Upon acceptance, Mr. O'Neil will give you a code to register on our website and submit payment

A Senior Camper will choose their own schedule based on class availability at the time of registration, March 1st. Senior campers may not get their first choice of classes. They will participate as a student and will also assist the other students and instructor. This immersion process will allow our Senior Campers to remain campers first, but begin to become familiar with assisting children. A Senior Camper will follow their schedule as a student and will not supervise children in any way but are expected to assist the teachers and fellow campers. We will be accepting no more than 12 Senior Campers into the 2019 Program.

DISCOVER CIT COUNSELOR IN TRAINING

At Discover Camp we take pride in developing "Homegrown" counselors. The CIT training program is a full summer internship. Campers who accept this job must be former campers for at least two summers and must be dedicated to becoming counselors at Discover Camp for at least 3 summers. CITs must be 15 years of age at the beginning of the summer and must commit to either all of Session I, Session II, or both. A CIT will be awarded a 75% Scholarship on tuition.

Steps to becoming a CIT:

- 1.) Send letter of interest and request application from Mr. O'Neil at do'neil@discovercamp.com
- 2.) Fill out the online application
- 3.) Conduct a phone or video conference interview with Mr. O'Neil
- 3.) Upon acceptance register through the website and submit payment

A CIT will be trained in different areas in many classes and will be given a schedule and list of tasks to complete. This process will allow our CITs to become familiar and proficient in assisting children in any given class. Our goal is to create well rounded counselors, who may have specialized skills, but are well versed and can assist in any class. In addition to assisting in the classroom, each CIT will have light cleaning and organizational duties in the morning, before camp, at lunch, and at dismissal. NYS Law dictates that CITs must be 15 years old and no more than 10% of total staff can be classified as a CIT. Therefore, we will be accepting no more than 12 CITs into the 2019 Program.

DISCOVER CAMP

BUS STOPS AND FEES

Some pick up locations are general because we do not have a requested pick up location for that area. Please call the office to suggest a location for a group pickup. We will consider new locations for groups of 4 or more children. **ALL BUSING REQUESTS MUST BE MADE BY MAY 10, 2019.**

Select a pick up location or the location closest to your home if choosing Door to Door.

<p>Area #1</p> <ul style="list-style-type: none"> <input type="checkbox"/> Anne Hutchinson School (front circle) <input type="checkbox"/> Greenvale School (front circle) <input type="checkbox"/> Scarsdale Train Station (in front of Starbucks) <input type="checkbox"/> Fox Meadow School <p>Area #2</p> <ul style="list-style-type: none"> <input type="checkbox"/> Greenville School-Edgemont Circle near playground <input type="checkbox"/> Ardsley Middle School- Playground parking <p>Area #3</p> <ul style="list-style-type: none"> <input type="checkbox"/> Murray Ave School <input type="checkbox"/> Quaker Ridge School <input type="checkbox"/> Heathcoate School <p>Area #4</p> <ul style="list-style-type: none"> <input type="checkbox"/> Greenwich H.S. <input type="checkbox"/> Greenwich Boys and Girls Club <input type="checkbox"/> George Washington School, White Plains 	<p>Area #5 (Must have door to door service)</p> <ul style="list-style-type: none"> <input type="checkbox"/> Purchase Area <input type="checkbox"/> Armonk Village Area <input type="checkbox"/> Whippoorwill Area <input type="checkbox"/> East Pleasantville Area <p>Area #6 (Must have door to door service)</p> <ul style="list-style-type: none"> <input type="checkbox"/> Chappaqua Area <input type="checkbox"/> Croton-On-Hudson Area <input type="checkbox"/> Ossining Area <input type="checkbox"/> Briarcliff Manor Area <p>Discover Camp makes no guarantees to the length of our bus routes. We attempt to keep all routes less than 80 minutes and we do our best to make pick-up and drop-off times reasonable.</p>
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Please note, busing costs include the cost of a bus monitor on our buses.

Costs:

- 4 Weeks General Pickup Location- \$840
- 4 Weeks Door to Door- \$995
- 3 Weeks General Pickup Location- \$630
- 3 Weeks Door to Door- \$745
- Less than a full session- \$62 per day

Parent's Name: _____

Child's Name: _____

2nd Child's Name: _____

Door to Door Stop: _____

Address: _____

City: _____ Session: _____



The Story of Discover Camp A reflection written by Anthony Rich

Thirteen years ago I resigned from a summer position at a camp in Westchester. Not everyone believed I could start my own summer camp. Well in the words of Maya Angelou, “You want me to do something.. tell me I can’t do it.” We didn’t have nearly enough money to start a camp but my wife and I were both working so we threw everything we had into Discover Camp. We worked through the night sometimes because there just weren’t enough hours in the day. That hard work has certainly paid off.

Below is a little history about Discover Camp that I’ve updated over the years. It gives you a peak into my life and shows you how my life experiences helped to build Discover Camp:

Nature or nurture. How do children become interested in hobbies? In my case I think it was a little of both. My father loved to tinker and his father loved to tinker. They loved cars and anything mechanical. I can remember from a very early age my father and grandfather working on their cars. We had slot cars in the basement, model trains, model airplanes etc. My favorite toy growing up was my LEGO set. I remember playing with them every day during a time when kits didn’t come with step by step instructions. Imagine that, you had to use your imagination.

Throughout my childhood I continued to love hobbies. I frequented the Elmsford Raceway slotcar track many weekends. Sometime in the late seventies I saw my first radio controlled car at Elmsford Raceway. They had a large glass case which was loaded with beautiful cars that were like nothing I had ever seen. I wanted one. I remember very clearly that my mom bought me the Tamiya RC catalog. I read it cover to cover hundreds of times and became an “expert” in the hobby. My best friend down the street became equally interested in RC cars. We knew they were expensive and didn’t get our hopes up but we both asked for a Tamiya Super Champ anyway. Christmas morning, I was shocked to find several large boxes under the tree with my name on them. I knew what was covered by the festive paper. I tore the boxes open to behold the Tamiya Super Champ, a 1/10 scale replica of a baja buggy.

The story is told by my mom and dad that I took those boxes into the basement and emerged briefly for food, water and sleep. About four days later I emerged with the finished product. My friend and I drove our cars together for hours, stopping only for battery charges. For the rest of our holiday vacation we drove our cars from dawn to dusk and then cleaned them to new condition in the evening. It wasn’t until the first car broke that I realized how important it was that I had built my own car. I could tear my car apart and rebuild any component with ease. Other friends in the neighborhood got cars too. For years those “toy” cars provided all of us with thousands of hours of enjoyment and kept us out of trouble. Until, we were old enough to drive.

My first car was a 1973 Buick and a 1970 Pontiac GTO was my second. It was not until I was an adult that I realized the effect hobbies had on my intellectual development. I tore those cars apart with no fear. Today I have no trepidation of projects. We general contracted the building of our house and completed the rest on our own. I have taken on landscaping projects, finished my basement, built computers, stone walls, installed kitchens, etc. I’m not afraid



of anything. BUT, there are two common threads between all of these, reading and hands-on experience. That first Tamiya catalog I got, opened my world to RC cars. Today everything I tackle I immerse myself in first through magazines, books and the internet.

I became a teacher in 1994 after studying education at Pace University and Iona College. I taught second and third grade for eleven years before taking on my current role as a technology teacher in Eastchester. I started looking for summer camp work after my first year of teaching. I was hired to teach some courses at a camp in southern Westchester. I taught many classes over the next five years including rocketry, robotics and aeronautics and after five summers I came up with the idea of starting a radio controlled car class. I pulled those old cars out of the attic and did a demonstration. Unbelievably those old Tamiya cars still ran perfectly. The whole camp went crazy! The kids had never seen anything like these. The very first year the classes filled and I knew I was onto something.

During the summer of 2002, I started my own hobby business, ASAO Incorporated. I booked a three day trip to California during a school vacation to meet with interested companies. Amazingly, Tamiya granted me the ability to purchase directly from them. Over the next three days, I opened accounts with twelve other companies. It was a surreal experience. I now had the power to control the supplies I needed to teach and work directly with manufacturers, something no one else was doing.

In the fall of 2007 I made a very difficult decision. I chose to leave the camp where I had spent the last thirteen years to begin my own program. Finding the ideal location close to my home made the decision easy. Over the years I had imagined a camp where children could explore their interests in various hobbies and technologies. I wanted to introduce children to my love of hobbies and lead children on a path to lifelong healthy passions. I hired the very best teachers that shared my enthusiasm but had their own individual interests. The first few years were very scary. I spent our life savings and tapped our home equity line. According to many books I've read since those early years I should have gone out of business but I was determined to make Discover Camp successful. For me, it never had anything to do with money. The camp became a hobby in itself and I simply loved what I was doing. Our registration was growing every year even during terrible economic times. Instead of taking a paycheck, I kept investing in the coolest equipment like robotics, new computers and cool technology tools like 3D printers and laser engravers.

Today our camp has grown to over 100 different enrichment classes in Science, Arts, Technologies, Sports and Hands-on Hobbies. We employ a staff of about 100. I have accounts with the biggest names in the hobby industry and hobbies are still the lifeblood of Discover Camp. In 2016, Westchester Magazine honored us by naming us "Tops for Tech."

I hope this history sheds some light on how my many hobbies, interests, professional career and business have evolved side by side. We're very proud of what we've created.

Discover Camp- What will yours kids Discover this summer?



PARENT TESTIMONIALS

“We just wanted to take a moment to thank you all from the bottom of our hearts for the incredible second session our children have had! What a camp you run! Each day our children come home telling us about each one of their classes with so many specifics and they are so happy. The staff is tremendous. We will definitely recommend you to other families. I can wholeheartedly recommend your camp from personal experience. Thank you so very much and we very much look forward to next summer and beyond with Discover Camp!” Best, -Sheryl and Rob

“On behalf of our entire family we wanted to thank you and your wonderful staff for yet another amazing summer. The dedication and hard work you put into this camp shows through each of you, and in the excitement of the kids when they come home and tell us how great their day was. We are impressed with how polite and helpful each of you are and how eager you are to make the experience a happy positive one. Thank you for creating such a wonderful camp and creating great memories. To quote our son, the Discover Camp Family, and Mr. Rich "rocks". See you next year!!”-The Lubrino's

“It’s hard to believe that Discover Camp is such a “young camp.” My children have been to many camps that have operated for much longer than Discover and Discover Camp is by far the most organized Camp we’ve ever been to. In addition, I have never experienced a camp with better communication. We love the daily e-mail updates! Keep up the hard work and continue to keep us informed with what happens at camp.”- Laura

“We are so blown away by the Discover Camp experience. I have to tell you that our son has been to several other camps and he hated all of them. I had very low expectations when I signed him up for your camp because we have never had a successful experience in the summer. We just assumed that camp wasn't his thing. Imagine my surprise when three weeks into camp he actually still gets excited to go. Never an argument. He loves the staff and he even commented on how nice the kids are. We are so grateful for the program and he is already planning what he is taking next summer. Really, I can't thank you enough!!” -Laurie

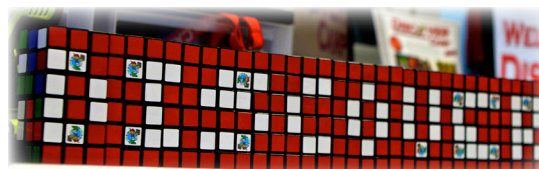
“I wanted to thank you and Mr. O’Neil and Mr. Melendez and staff for another amazing summer at Discover Camp (his 5th). Discover has been a God send for my son and the summer days of the camp sessions are truly the most reliably happy days for him of the entire year. School is not a good fit for him and he really spends the year waiting to get back to camp. As such, this night before the last day of camp is a bit melancholy for us. I think you should open a school based on Discover. Anyway, we love you guys, we love the courses Discover has to offer and I loved the new open house format. I got to visit with the counselors and participate in the activities and watch what they do in the course of the hour and a half. You guys are always raising the bar from the swift handling of the parking/dismissal, which is a feat in itself, to the designs on the shirts and the constant troubleshooting that I am sure occurs all summer long.” - Grace

“My son has been there for 4 years and while you have certainly grown in size, I have to compliment you on keeping the quality of the program at a high level. My son, has enjoyed getting to know his counselors and looks up to them. He has learned a lot in his classes -- I think he came home every day saying ‘I love Aeronautics!’ He also enjoys the freedom of ordering his own PEANUT FREE lunch and I appreciate the attention you give to food allergies. One of the reasons why I choose DC is because it is hands-on learning and allows for an in-depth study of a topic, two elements that are missing in our schools. I think there is more than one mother out there who wishes that DC was a “school” because it allows for the exploration and mastery of subjects but doesn’t involve the memorization and rote learning. It is learning by doing, and making meaningful connections to a subject, and experiencing success which then spurs more curiosity. Research has shown that certain qualities are predictors of future success in children -- zest, grit, self-control, optimism, gratitude, social intelligence, and curiosity. As parents, we try to encourage our children to develop these character traits and DC provides many opportunities for these qualities to flourish. I also think the counselors are excellent role models. Thank you for the hard work all year round that you put into DC so that the summer camp is a success.”- Dana

“I just wanted to report in that my two children are new campers this year and they cannot express more enthusiastically (from DAY ONE) how very much they are enjoying every aspect of camp! They are soooooo immensely happy and look greatly forward to each day! They have so much excitement (and stories to tell of learning and fun) when they get off the bus each day. It is truly wonderful.” – Lori

“Just a note to say my children loved their first day. Who would have thought a nearly 12 year old boy who eats/sleeps/breathes video games and baseball would love origami ” – Allison

“Firstly a gigantic thank you to you and your team. We truly have the epitome of a " happy camper". He is loving Discover Camp and couldn't be happier with his teachers and counselors. I also have to add that I thoroughly enjoy the updates, they create a sense of connectedness to the daily activities, and add to the reassurance that he is not just at camp, he's having a great experience at a great camp, with people who love what they do.” - Liz and Peter



FAQ



Q-My child excels in school. Is Discover Camp the right camp for my child?

A-Since the majority of our instructors are NYS licensed teachers, we know how to differentiate the curriculum and adjust instruction in all directions. Many bright children are easily bored in school. Discover Camp's instructors know how to enrich their curriculum to challenge the brightest students. Hobbies are also the perfect outlet for a child who is always looking for something stimulating to do at home and helps to keep them away from the dreaded video games.

Q-My child struggles in school. Is Discover Camp the right camp for my child?

A-Once again, since the majority of our instructors are NYS licensed teachers, we know how to differentiate the curriculum and adjust instruction. In addition, our use of SMART Boards offers children the visual reinforcement some children need.

Q-My child wants to take a certain class but does not meet the age requirements.

A-Normally we suggest that the child waits until they are of age to take the classes but all children mature at different rates. If you think your child is capable of the material then we're usually willing to try it out. You know your child best.

Q-Can I change my child's classes after I register?

A-Yes. You can make changes to your child's schedule by June 3rd. After this date we begin finalizing all attendance sheets and rosters to prepare for the opening of camp.

Q-Can I change my child's class if they do not like it?

A-After the first day of camp, if your child is not happy with their classes you may make changes on the second and third day of camp. Please understand that class changes are very disruptive to the instructors and usually require the use of extra counselors to catch up the new students. Any changes made after the third day of camp will incur a \$100 class change fee per class.

Q-My child wants to attend Discover Camp for less than a full session. Can they?

A-Most children attend for full sessions but we have a number of children every year that attend for less. Children don't get the full experience but our instructors and counselors make your child's time at Discover Camp enjoyable and meaningful. Please contact the Discover Camp office in order to discuss which classes might be appropriate for less than a full session.

DISCOVER CAMP



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Register early
for savings up
to
\$600

“My son has been to just about every camp in Westchester and we are simply blown away by the Discover Camp experience!” *Parent of camper*

“This is what school should be like” *Camper*

“Discover Camp is unlike any camp in Westchester!” *Parent of camper*

“Discover Camp is a rare jewel among a sea of summer camps!” *Parent of camper*

What Will Your Kids **DISCOVER** This Summer?