

DISCOVER

DC

CAMP



Summer 2018





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MEET THE

Dear Parents,

It's hard to believe this is Discover Camp's eleventh year and my twenty fourth 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-four 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 etchers 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 seventh year utilizing 3D printers and we're investing in more printers for our classes bringing our total to over 40. 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 very excited to introduce children to virtual reality 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 nineteen 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 masters 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 and son Colin

MEET THE

Hello Families,

This will be my ninth summer with Discover Camp and I can not wait to get my 10 year pin.

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.



*Anthony Melendez
And Lucas*

One of those significant resources is our youth. 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. For example, one camper 3D printed my motorcycle. I am excited to see what campers do this year in our new Virtual Reality classes. 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*



Discover Camp staff BBQ

DIRECTORS

Dear Families,

I'm very pleased to be entering to my eleventh 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 twelve 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,

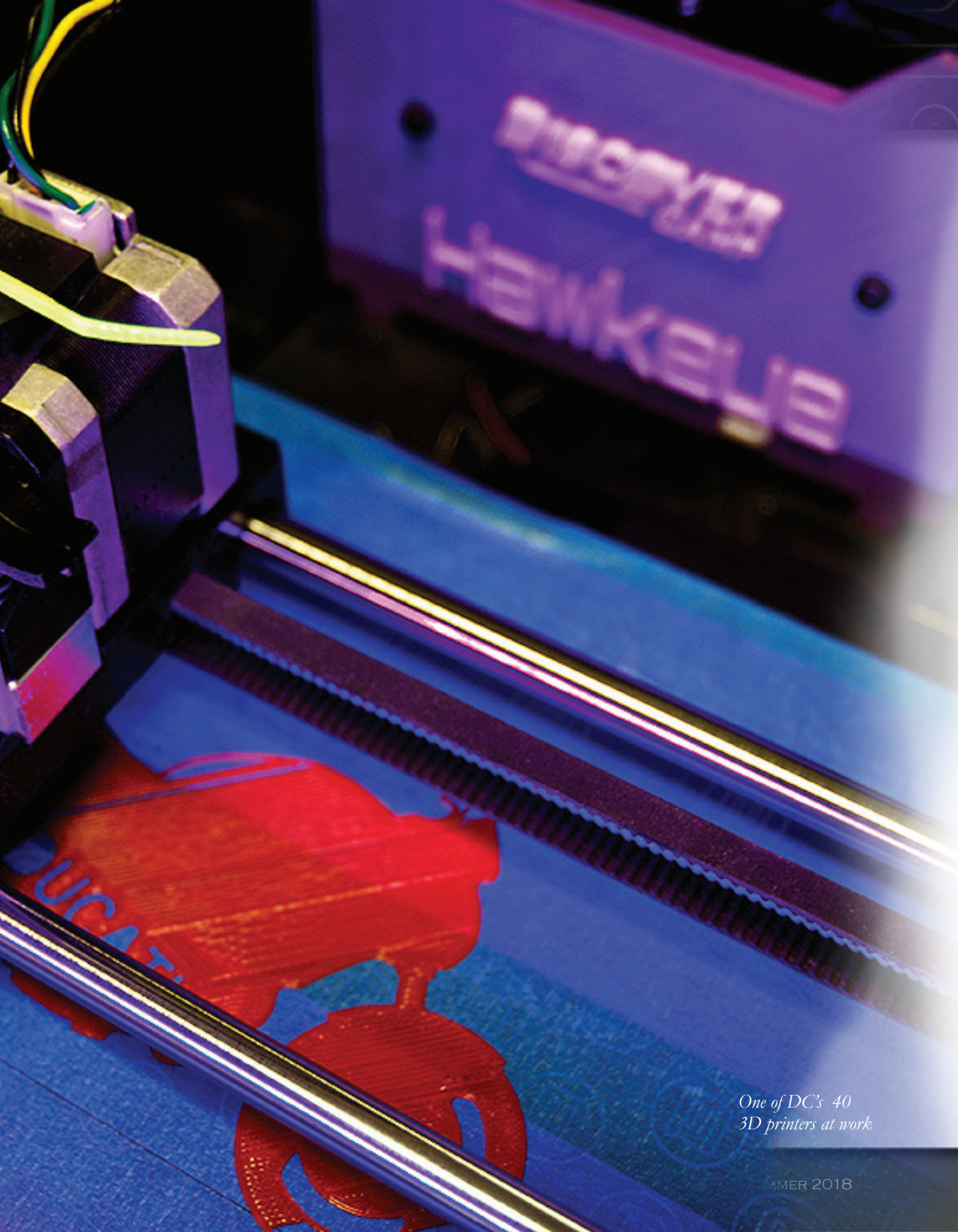
**Peter DeBiase -
Medical Director**



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*



*One of DC's 40
3D printers at work*

SUMMER 2018

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 **40 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. State of the art **Virtual Reality Lab**.
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

Program Overview: Discover Camp is a day camp for campers ages 5 - 15. Discover Camp is divided into two sessions. Session I is four weeks long. It starts on June 25th and ends on July 20th. Session II is three weeks long. It starts on July 23rd and ends on August 10th. The day starts at 9 am and ends at 4 pm. The day is broken up into four 90 minute periods. Please refer to class descriptions for details regarding scheduling. Campers and parents build and create their own schedule based on class offerings. Classes are taught by NYS certified teachers and/or industry professionals with a 5:1 camper to staff ratio. DC is a place your child can nourish their creativity, spark curiosity, and explore their interests. What will your children DISCOVER this summer?

TUITION RATES

2018 Early Registration Rates*			
2018	<u>Morning</u> 9 am - 12 pm	<u>Afternoon</u> 1 pm - 4 pm	<u>Full Day</u> 9 am - 4 pm Lunch Included
<u>Session I</u> June 25th - July 20th	\$1510	\$1510	\$2860
<u>Session II</u> July 23rd - August 10th	\$1140	\$1140	\$2160
<u>Sessions I and II</u> June 25th - August 10th	\$2510	\$2510	\$4460
Save up to \$840 off tuition rates when you enroll by February 5, 2018.			
*Early Registration ends February 5, 2018			
2018 Tuition Rates			
2018	<u>Morning</u> 9 am - 12 pm	<u>Afternoon</u> 1 pm - 4 pm	<u>Full Day</u> 9 am - 4 pm Lunch Included
<u>Session I</u> June 25th - July 20th	\$1590	\$1590	\$3020
<u>Session II</u> July 23rd - August 10th	\$1200	\$1200	\$2280
<u>Sessions I and II</u> June 25th - August 10th	\$2650	\$2650	\$5020
Save up to \$560 off tuition when enrolling for the full summer.			

Camp Location:

180 Bradhurst Avenue
Hawthorne, NY 10532
(Four Weeks) Session I

June 25 - July 20
(Three Weeks) Session II
July 23 - August 10

Off Season

Office Hours:

9:30 am - 4:30 pm

Phone: (914) 462 - 0360

E-mail:

Info@DiscoverCamp.com





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 you are at camp. If you have special requests, please contact the Discover Camp office. Please visit www.DiscoverCamp.com to enroll. Enrollment begins January 17, 2018 at 8pm.

Payment Options New this summer, we are giving parents two options for payments. You can either pay in full when you register or make automatic monthly installments. Monthly installments will be on the 1st of the month. All payments will be due by June 1st. We hope that by doing this, camp payments will be spread out over 5-6 months. Should you wish to withdraw prior to May 1, 2018 there will be a \$200 administrative fee per child.

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 an \$840 discount on early enrollment for the full 7 weeks full day. Registration must be received by February 5, 2018. Visit our website to enroll. The discounts not only help our loyal families financially but also assist us with planning ahead and hiring staff. The best part about our discount plan is that we do not require full payment until June 1, 2018. Again, it's the commitment we need not the full payment. We don't know of another camp that gives an early enrollment discount without requiring full payment up front.

Registration System

Our registration system allows parents to pre-create their accounts ahead of registration to speed up the registration process. The system allows parents to add classes to a cart and lock those spots until they check out. You are able to sort classes by period and grade. You must select one class per period that your children are attending. Each child must be put in a program, ie: Full Day Full Summer before classes are selected.

Sibling Discount

Each year we offer a sibling discount. Two children receive 5% off total tuition, 10% off total tuition for three children, and 20% off total tuition for sending four children. Discounts apply to tuition only. The discount does not apply to material fees or other class 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.

DC SCHEDULE

Morning Schedule

Early Drop Off	8:00 am - 8:45 am \$40 per week
Reg. 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 his/her 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. Iced tea, lemonade and ice water are served each day. Fresh salad and fruit are offered daily. Our cafeteria is air conditioned.

Sample lunch form

Tuesday				Wednesday				Thursday				Friday			
Group #				Group #				Group #				Group #			
Meat	Bread	Cheese	Salads	Meat	Bread	Cheese	Salads	Meat	Bread	Cheese	Salads	Meat	Bread	Cheese	Salads
Ham	White	Swiss	Garden Salad	Ham	White	Swiss	Garden Salad	Ham	White	Swiss	Garden Salad	Ham	White	Swiss	Garden Salad
Oven Gold Turkey	Wheat	White American	Egg Salad	Oven Gold Turkey	Wheat	White American	Egg Salad	Oven Gold Turkey	Wheat	White American	Egg Salad	Oven Gold Turkey	Wheat	White American	Egg Salad
Pepper Jack Turkey	Rye	Yellow American	Tuna Salad	Pepper Jack Turkey	Rye	Yellow American	Tuna Salad	Pepper Jack Turkey	Rye	Yellow American	Tuna Salad	Pepper Jack Turkey	Rye	Yellow American	Tuna Salad
Roast Beef	Bagel	Cheddar		Roast Beef	Bagel	Cheddar		Roast Beef	Bagel	Cheddar		Roast Beef	Bagel	Cheddar	
Bologna	Roll	Cream Cheese		Bologna	Roll	Cream Cheese		Bologna	Roll	Cream Cheese		Bologna	Roll	Cream Cheese	
Chicken Cutlet	Wrap	Pepperjack		Chicken Cutlet	Wrap	Pepperjack		Chicken Cutlet	Wrap	Pepperjack		Chicken Cutlet	Wrap	Pepperjack	
Grilled Chicken	Gluten Free Wrap	Muenster		Grilled Chicken	Gluten Free Wrap	Muenster		Grilled Chicken	Gluten Free Wrap	Muenster		Grilled Chicken	Gluten Free Wrap	Muenster	
	Gluten Free bread	Provolone	Lettuce		Gluten Free bread	Provolone	Lettuce		Gluten Free bread	Provolone	Lettuce		Gluten Free bread	Provolone	Lettuce
			Tomato				Tomato				Tomato				Tomato
Hot Meals				Hot Meals				Hot Meals				Hot Meals			
Mac & Butter				Mac & Butter				Mac & Butter				Mac & Butter			
Mac & Cheese				Mac & Cheese				Mac & Cheese				Mac & Cheese			
Mac & Sauce				Mac & Sauce				Mac & Sauce				Mac & Sauce			
Plain Macaroni				Plain Macaroni				Plain Macaroni				Plain Macaroni			
Gluten Free Pasta with butter	Gluten Free Pasta with sauce			Gluten Free Pasta with butter	Gluten Free Pasta with sauce			Gluten Free Pasta with butter	Gluten Free Pasta with sauce			Gluten Free Pasta with butter	Gluten Free Pasta with sauce		
Gluten Free Pasta - Plain				Gluten Free Pasta - Plain				Gluten Free Pasta - Plain				Gluten Free Pasta - Plain			
Tuesday Special				***Wednesday Special***				***Thursday Special***				***Friday Special***			
Hot Dog & Waffle Fries OR Chicken Parm Roll				Chicken Fingers OR Baked Ziti				Cheese Quesadillas OR Potato alla Vedova				Cheese Calzone			
												OR Stromboli			

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. We piloted the kosher program last year with great success.

Sample Kosher lunch form

Tuesday				Wednesday				Thursday				Friday			
New Roc Glatt				Prime Time Cafe				New Roc Glatt				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 Breast	Hallah	Tuna Salad	Chicken Soup	Mac and Cheese				Turkey Breast	Hallah	Tuna Salad	Chicken Soup	Shred 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	Shred Beef w/ Snow Pea Pods	Wonton		
Mexican Turkey	Eye	Pasta w/ Pesto	Vegetable Soup	Cheese Kavioli				Mexican Turkey	Eye	Pasta w/ Pesto	Vegetable Soup	Shredded Beef w/ Garlic Sauce (Spicy)	Hot & Sour		
Turkey Pasterni	In a Container	Orzo Salad	Split Pea					Turkey Pasterni	In a Container	Orzo Salad	Split Pea	Pepper steak	Egg Roll		
Cor Beef		Chicken Salad	Matzo Ball					Cor Beef		Chicken Salad	Matzo Ball	Steamed Chicken w. Broccoli			
Pasterni		Quinoa Salad						Pasterni		Quinoa Salad		Sweet & Sour Veal			
Roast Beef		Brusch Salad						Roast Beef		Brusch Salad		Steamed Beef w. Broccoli			
Salami								Salami				Sweet & Sour Chicken			
Hard Salami								Hard Salami				Chicken w. Mixed Vegetable			
Religions	Circle any condiments needs below:							Religions	Circle any condiments needs below:						
	Mayo	Mustard	Ketchup						Mayo	Mustard	Ketchup				
												Vegetable Chow Mein			
												Vegetable Sushi			
												Chicken Nuggets			

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 Wednesday 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.

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 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.

LATE FEES:

Full payment is due on June 1, 2018. If a balance still exist after the opening day of camp a late payment fee of \$250 per child will be added to your account.

DISCOVER CAMP "FAMILY AND FRIENDS" REFERRRRAL PROGRAM

Discover Camp has been built on word of mouth and from referrals. We thank families for referring new families with 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.



OPEN HOUSE

Our Open House takes place at 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 7th

1-3 pm

Camp Location:

180 Bradhurst Avenue
Hawthorne, NY 10532

CLASS CHANGES

All changes must be made by phone or e-mail by June 1, 2018. 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.

QR CODES

Any time you see a QR Code you can scan it with your smart phone or tablet and it will automatically link you to a video about Discover Camp.



2017 Summer Videos



***New 001-DC Juniors (Entering 1st grade by September 2018)**

DC Juniors is a new program we developed to expose our younger campers to a wide variety of Discover Camp classes. The program will build a community among our younger campers and allow for a more specialized day. Campers will be in one group with the same campers and counselors all day. The curriculum is designed to expose the campers to a variety of Discover Camp classes and introduce them to skills that will carry over to almost all of our other classes. This program is for campers going into 1st grade by September 2018. Camper s entering kindergarten will have to repeat this program next summer.

Below is the class structure:

Session I

Period 1: Science Chefs

In our kitchen science lab, students will work together to explore forces, matter, the five senses and more! They will learn how to conduct experiments just as real scientists do by making and testing their predictions through fun and wacky food-related experiments!

Material fee: \$50

Teacher: Brianna DiRoma Spanish teacher, Westlake High School

Period 2: Multi Sports

Students will be introduced and instructed on basic kinesthetic movements and dynamic activities that can help lead to a healthier, more flexible, and more coordinated future in all lifestyles and specifically athletics. Students will be instructed on basic athletic motions including jumping jacks, mountain climbers, yoga routines, catching skills, throwing skills, and speed training. Campers will also participate in a variety of traditional and backyard sports

Material fee: \$0

Teacher: Connor Cohn history and economics teacher and coach, Dobbs Ferry High School

Period 3: Mini Picasso

Campers in this class will be working on a different project every other day to get a strong aspect of art. Campers will also learn about artists who represent many forms. While simultaneously enhancing artistic and technical skills through painting, sculpting, drawing and printmaking, campers will utilize their creative skills to build or make art using hands-on art experience through every single medium.

Material fee: \$85

Teacher: Danielle Poletto, NYS certified art teacher

Period 4: DC Young Makers

In this class, campers in kindergarten and first grade will experience design thinking and STEAM challenges. For example, the students may start with a story Three Billy Goats Gruff then work in partnerships to design and build a bridge to circumvent the troll using materials like straws, tape, and clay. Young makers will also experience simple electronics, robotics, and Rube Goldberg type design throughout this fun-filled session.

Material fee: \$60

Teacher: Peter Mckenna NYS certified technology teacher, Fox Meadow Elementary School

COURSE DESCRIPTIONS

Session II

Period 1: Edible Experiments

Combine your love of science experiments and cooking in the kitchen with a food science class! In this class, you will perform hands-on delicious experiments while cooking your favorite foods. You will learn the science behind certain foods, such as what makes yellow cheese yellow, and sour candy sour. You will practice science skills of gathering and measuring ingredients, as well as following a procedure. You will also conduct experiments using different ingredients to make your food more yummy! You will gain experience in pouring, mixing, and combining Chemicals. The best part is you get to eat your experiments afterwards!

Material fee: \$60

Teacher: Lauren Zeoli, NYS certified science teacher

Period 2: Multi Sports

Students will be introduced and instructed on basic kinesthetic movements and dynamic activities that can help lead to a healthier, more flexible, and more coordinated future in all lifestyles and specifically athletics. Students will be instructed on basic athletic motions including jumping jacks, mountain climbers, yoga routines, catching skills, throwing skills, and speed training. Campers will also participate in a variety of traditional and backyard sports.

Material fee: \$0

Teacher: Connor Cohn history and economics teacher and coach, Dobbs Ferry High School

Period 3: 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.

Material fee: \$0

Teacher: Silvio Rosato, National Scholastic Chess Foundation teacher

Period 4: Arts and Crafts

Young campers will have the opportunity to let their imaginations soar as they engage, explore, and experiment with a wide variety of natural and recycled materials. Through various mediums and crafting techniques, campers will learn about form and composition. Basic introduction to art theory will provide daily inspiration, one day Matisse's cut out and the next Picasso's blue period. Campers will cultivate a deeper understanding of art and what it means to create with their hands.

Material fee: \$80

Teacher: Amelia Perry, art historian



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:

Peter McKenna, technology teacher

Session II: Edward Amato, NYS certified technology teacher

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.

- Build an assortment of introductory rocket kits.
- Build an assortment of homemade bottle rockets.
- Tool safety and correct usage will be strongly emphasized.

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.

Session: I and II

Periods: 1 or 3

Grades: 3 +

Materials fee: \$85

Instructor: Jim Fernhoff, NYS certified social studies and special education teacher



004-Advanced Rocketry I- Taking Rocketry to Higher Levels

Use the skills gained in Introduction to Rocketry to build, design and launch the rockets that you've created. Advanced kits and instructions will be used in this class. This class is great for campers who have earned their launching license and are ready to take their building skills to higher levels.

- Build an assortment of advanced rocket kits.
- Build an assortment of advanced homemade bottle rockets.
- Modify rocket kits to make them "better."
- 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

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

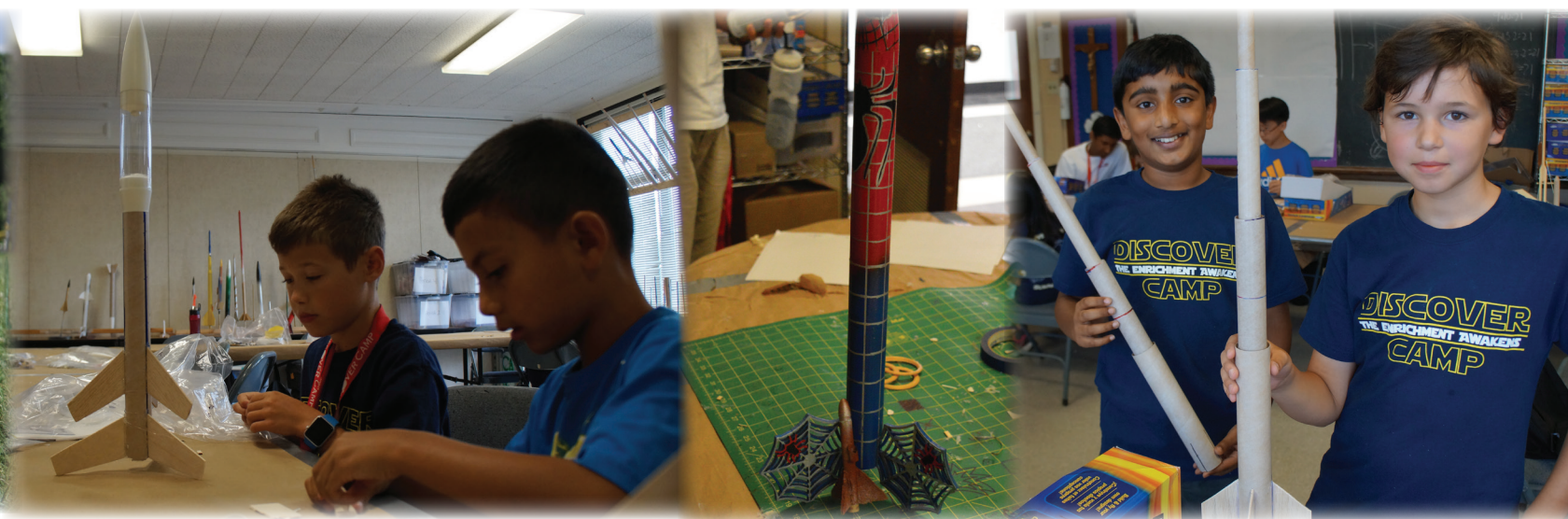
Session: I and II

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





006-Aeronautics

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. Flying is done indoors and outdoors. Competitions are used to motivate and push learning and experimentation. Tool safety and craftsmanship are emphasized throughout.

Session: I and II

Period: 1

Grades: 3 +

Materials fee: \$200

Instructor: Edward Amato, NYS certified technology teacher

007-Indoor FPV (First Person View) Drone Racing

FPV racing is an exciting new sport that combines high-tech drones and high-speed racing.

In this class you will learn about all of the parts needed to race FPV. We will start off with a small ducted quadcopter and learn to fly. After the basic skills are acquired, we will tear the drone apart and upgrade everything while adding a micro camera and transmitter. We will then start to fly using goggles, We will only be able to see what the camera sees, that's when the class gets really interesting. This class will test your spatial awareness as well as your reflexes. We will be setting up many different race courses that will even test someone with a lot of experience.

Session: I

Periods: 3

Grades: 5+

Materials fee: \$400

Instructor: Vinny Garrison, NYS certified technology teacher



***New 008-Outdoor FPV (First Person View) Drone Racing**

THIS IS AN ADVANCED CLASS! You will need to come to this class with experience flying FPV(first person view) drones before taking this class. We will be flying the Blade Torrent(or something similar in size) and most of the gear we will be using (goggles, radio, etc.) are from the drone racing class from last summer. This drone is fast and powerful and of course a lot of fun. It is similar to the drones that race in the DRL on ESPN. Another important aspect of this class will be diagnosing and repairing your drone after a crash (there will be crashes.) People that races drones say “If you’re not crashing, you’re not trying.” *Must reuse goggles and transmitters from Indoor FPV. If campers do not have these items they will need to be purchased for an additional fee. Material fees cover drone, replacement parts, charger, and battery.

Session: I

Periods: 2

Grades: 6+

Materials fee: \$300

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

009-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 **Periods:** 2 or 3

Session: II **Period:** 2

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 since 2000. During the school year, he works with the National Scholastic Chess Foundation teaching in Westchester public and private schools.

010-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: Bob Sinnott,
NYS certified elementary
school teacher

011-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: Bob Sinnott,
NYS certified elementary
school teacher

012-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

013-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



014-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: \$80

Instructor: Bob Sinnott,
NYS certified elementary
school teacher

015-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

016-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



***New 017-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

018-“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, Pace University

019-Scratch

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: Peter Mckenna, NYS certified technology teacher
Edward Amato, NYS certified technology teacher

***New 020- Scratch Coding with Mbots**

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.

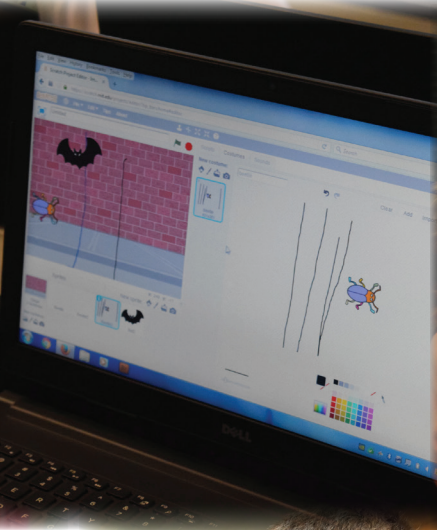
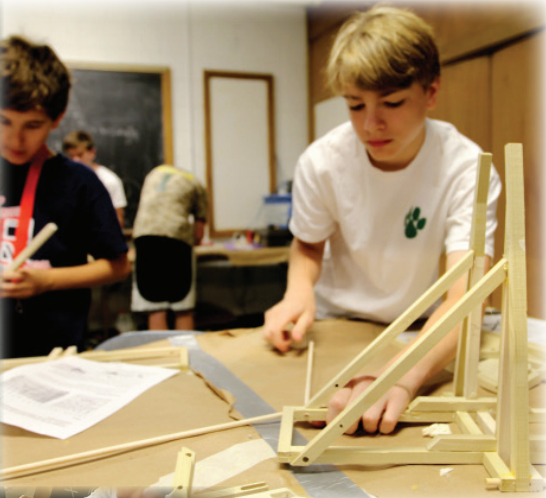
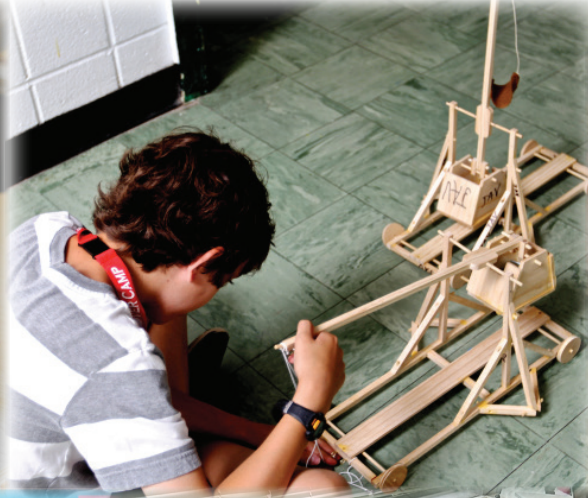
Session: II

Period: 3

Grades: 3 +

Materials fee: \$120

Instructor: Edward Amato, NYS certified technology teacher



DISCOVER CAMP



***New 021-Game Design with Construct 2**

The Introduction to Gaming class will invite campers into the exciting world of game creation. 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, Tappan Zee High School***New 022-Puzzle Breakers Game Design**

Secret code cracking, superhero flight velocities, karate robot hand chops! Puzzle Breaker introduces students to solving fun puzzles by means of coding. In each class, students will learn the logic and programming skills needed to solve interesting puzzles and problems. The emphasis of this course is to familiarize students with programming techniques to solve familiar classroom problems of logic, algebra and sequential problems.

Session: I and II**Period:** 1 or 2**Grades:** 4+**Technology fee:** \$25**Instructor:** Mark Stewart, holds a degree in computer science***New 023-Game Design Using Roblox**

Roblox is a game design program where campers will learn how to design and create their own gaming world where 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 can 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 or 3**Grades:** 4+**Technology fee:** \$25**Instructor:** Nate Stewart, NYS certified social studies teacher and gaming enthusiast**024-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.

Campers will learn: architecture, electronics, sculpture, texturing, landscaping, action, photography, decorating, music, trading, storytelling, adventure and modding.

The game is being used to teach more than just computer skills. It easily lends itself to science, technology, engineering and math explorations. Language teachers are also strengthening communication skills, civics teachers are exploring how societies function, and history teachers are having their students recreate ancient civilizations.

Session: I and II**Period:** 1**Grades:** 2+**Minecraft edu fee:** \$10**Technology fee:** \$25**Instructor:** Nate Stewart, NYS certified social studies teacher and gaming enthusiast



New 025-3D Design Using Minecraft

We've combined two of the most popular classes at DC, 3D design and Minecraft. Tinkercad is a design program where campers will design 3D structures to import 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 will learn: architecture, electronics, sculpture, texturing, landscaping, action, photography, decorating, music, trading, storytelling, adventure and modding. 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 and gaming enthusiast

*Please note this is not a Minecraft free-play gaming session

026-Bricks, Bits and Blocks of Redstone (Interactive Minecraft)

Campers will use Little Bits and Minecraft together to make wild creations that straddle the line between the real world and the virtual one! Switches that are activated in the classroom affect the game world, and Minecraft Creepers can trigger traps that start Rube Goldberg-style contraptions within the classroom! A great course for both Minecraft fans as well as electronic tinkerers! Campers will be taking home a LittleBits kit that interacts with the Minecraft world.

Session: I

Period: 2

Grades: 4+

Material fee: \$400

Technology fee: \$25

Instructor: James Amodio, NYS certified physics teacher



***New 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 with 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

Period: 2 or 3

Grades: 4+

Minecraft edu fee: \$10

Technology fee: \$50

Instructor: Andrew McIntosh, NYS certified technology teacher

***New 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 and Galaxy phones to visit their creations with Google Cardboard.

Session: I and II

Period: 1

Grades: 4+

Material fee: \$15

Technology fee: \$50

Instructors: Andrew McIntosh, NYS certified technology teacher
Session II Karen Connell
NYS certified computer science teacher

***New 029-Advanced Virtual Reality**

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 Period: 4

Session: II Period: 2 or 4

Grades: 5+

Technology fee: \$50

Instructors: Andrew McIntosh, technology teacher
Session II Karen Connell
computer science teacher

030-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 groundbreaking 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 or creating and printing their own original designs.

Session: I

Periods: 1 or 4

Session: II

Periods: 2 or 3

Grades: 4 +

Materials fee: \$100

Technology fee: \$25

Instructors: Vinny Garrison, NYS certified technology teacher
Session II Steve Martin, NYS certified technology teacher

***New 031-3D Printing using Sketchup**

This class is designed to familiarize campers with the aspects of 3-Dimension design through Google SketchUp as well as the 3D printing modeling process. Campers complete a collection of exercises and projects, which will have them creating and printing nearly anything they can imagine. Campers work individually and collaborate with peers as they combine completed products to complete group projects.

3D Project ideas:

- Logo/Badge
- Amusement park rides
- Key chains
- And lots more...

Session: I

Periods: 2 or 3

Grades: 4 +

Materials fee: \$100

Technology fee: \$25

Instructor: Edward Amato, NYS certified technology teacher



032-3D Inventors

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 be creating new prototypes, building structures to think like architects, and re-engineering simple machines. Campers should have experience with 3D design software, such as Tinkercad and be comfortable creating and using 3D printers independently.

Session: I **Periods:** 1 or 3
Session: II **Periods:** 2 or 3
Grades: 5+
Materials fee: \$100
Technology fee: \$25
Instructor: Mary Rosenberg, NYS certified art/technology teacher
Prerequisite: 3D printing course

***New 033-3D Inventors Maker-Space**

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: II
Periods: 1 or 4
Grades: 4 +
Materials fee: \$100
Technology fee: \$25
Instructor: Steve Martin, NYS certified technology education teacher

034-Laser Etching and Engraving

Laser engraving is a relatively new art form. As far as we know, Discover Camp is the only camp to offer a class utilizing this technology. This class will combine children's love of art and technology to create new and unique products that cannot be replicated with any other machine. We can cut, etch and engrave wood, metals, plastics, stone, glass, leather, paper, iPhones, etc. This class combines a love of design with the power of lasers. Who doesn't love lasers?

Session: I **Periods:** 2 or 4
Session: II **Periods:** 1 or 4
Grades: 4 +
Materials fee: \$75
Technology fee: \$25
Instructor: Mary Rosenberg, NYS certified art/technology teacher



035-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 a 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

036-Electronic Game Construction

In this class, campers will construct a handheld video game and play games based on 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 hand held gaming systems that they built from about one hundred parts.

Session: I and II

Period: 1

Grades: 6 +

Materials fee: \$120

Instructor: Nick Domanski, NYS certified biology teacher

***New 037-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 multiplayer capabilities.

Session: I and II

Period: 4

Grades: 6 +

Materials fee: \$120

Instructor: Nick Domanski, NYS certified biology teacher

***New 038-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 element.

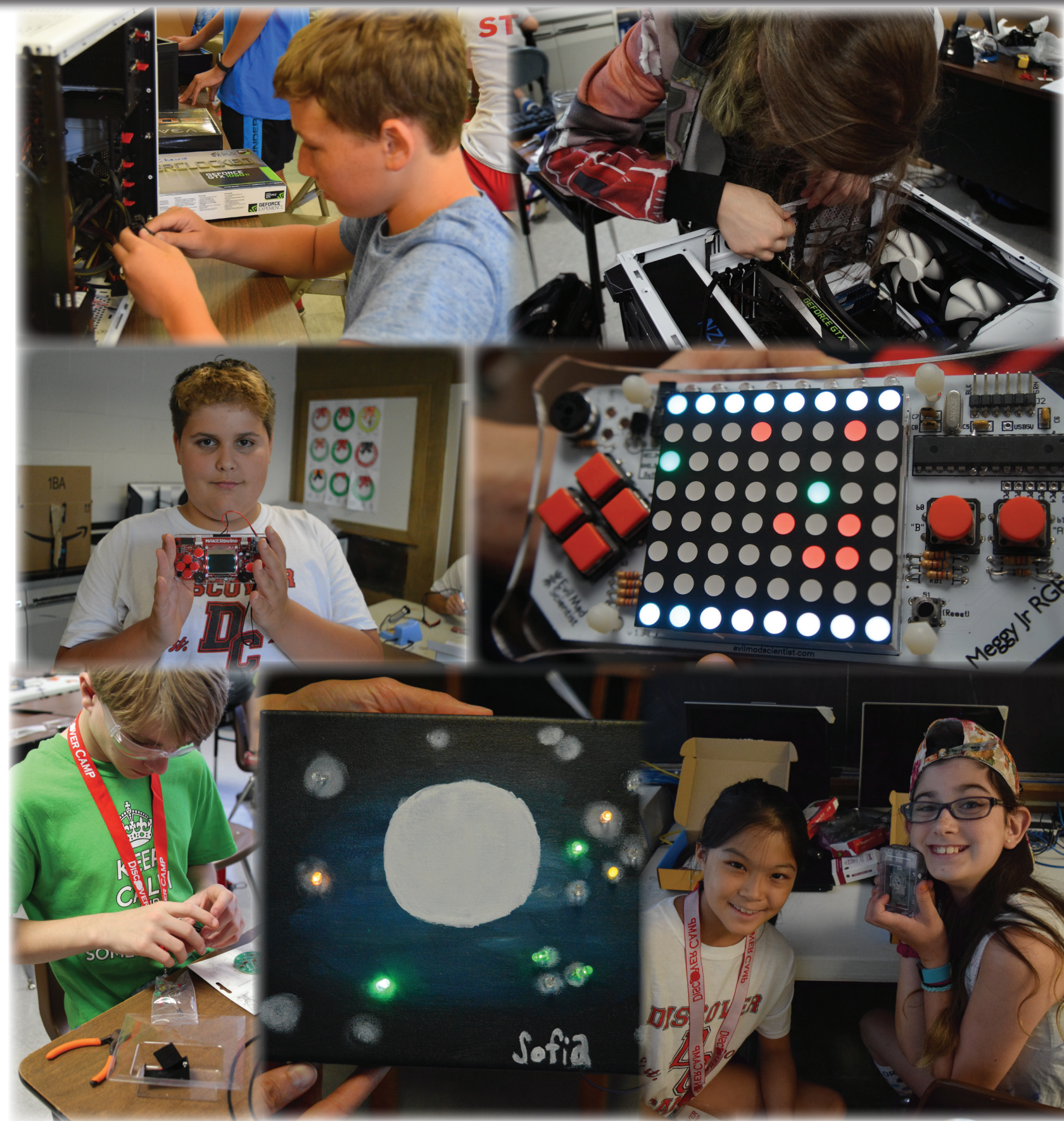
Session: II

Period: 4

Grades: 3 +

Materials fee: \$75

Instructor: Dan Barbuto, electrical technology professor







039-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 robots that are built are 'smart' wandering robots. The racers explore how propulsion can be achieved with solar energy and wind. The Snap Circuits have over 300 projects that can be built, using sound and light sensors to produce different frequency noises, flashing lights or a working AM radio.

Session: II

Period: 1

Grades: 2 +

Materials fee: \$120

Instructor: Dan Barbuto,
electrical technology
professor

040-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: 2

Grades: 2 +

Materials fee: \$95

Instructor: Dan Barbuto,
electrical technology
professor

041-Soldering Circuits

Campers will build several working circuits while learning how to safely solder. No prior soldering experience is necessary. Circuits will include a light sensor circuit, a siren circuit, a working FM radio, and more. The first project will have blinking lights and a siren, and is intended to teach the participants about basic components such as resistors, capacitors, and integrated circuits. It is also used to teach soldering skills such as how to properly hold the solder and the iron, how to avoid solder bridges, and correct polarity of components. The projects that follow are more challenging – the FM radio requires the proper soldering of over 25 individual components. Campers will learn soldering skills and the use of several tools such as angle cutters, screwdrivers, long nose pliers, and how to complete an intricate circuit so that it works properly.

Session: II

Period: 3

Grades: 4 +

Materials fee: \$95

Instructor: Dan Barbuto,
electrical technology
professor



***New 042-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,
Pace University

043-Wonderful Wired Wearables with Arduino

This course is designed for campers who want to use small electronic microcontrollers to accentuate clothing and accessories. Do you want to make a coat with running LED lights? How about a bag with a changing color pattern, like Neopixels? Have you ever wanted to work with electroluminescent wire? Maybe you just want to learn how to make the eyes light up on Halloween-style masks to create your own! This course will include the usual coding and electronics skills that an Arduino class might have, plus some basic sewing skills and a whole heap of imagination!

Session: II

Period: 2

Grades: 5+

Materials fee: \$320

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

***New 044-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 is helpful.

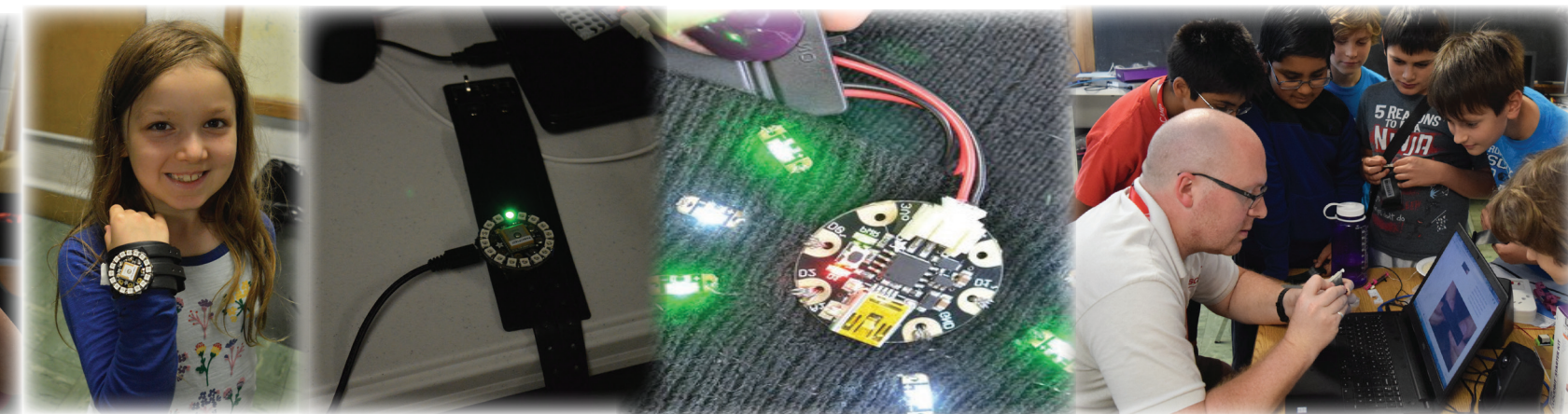
Session: II

Period: 4

Grades: 5+

Materials fee: \$225

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



***New 045-Elementary Electricity-The Circuit Playground**

Designed for campers entering grades 2-5 as of September 2018, we will explore simple circuits while making electric art, play with simple sensors, and design with LEDs. Materials such as paper and play dough will be used as well as conductive inks and paints. The course will end with an experience in programming an interactive light demonstration. No experience required.

Session: I

Period: 4

Grades: 2-5

Materials fee: \$125

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

***New 046-Make your Own Laptop**

Campers will build their own Kano computer. Each camper will get a real computer, powered by Raspberry Pi 3 and Kano OS. Campers will get all the apps and programs they need. Campers will get a powerful learn-to-code tool, designed to unlock potential, and unleash creativity. Campers will even learn to mod in Minecraft with these laptops.

Session: II

Periods: 3 or 4

Grades: 3-6

Materials fee: \$260

Instructor: DC Staff

047-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,
Pace University

048-Advanced Raspberry Pi

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: II

Period: 1

Grades: 5+

Materials fee: \$250

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

049-All About Arduino (For Beginners)

This program will introduce children to Arduino, an inexpensive, open-source platform that combines electronics and some light TEXT-BASED programming to create individual Do It Yourself-style projects. Possible creations with this microcontroller 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 cover 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 **Period:** 1

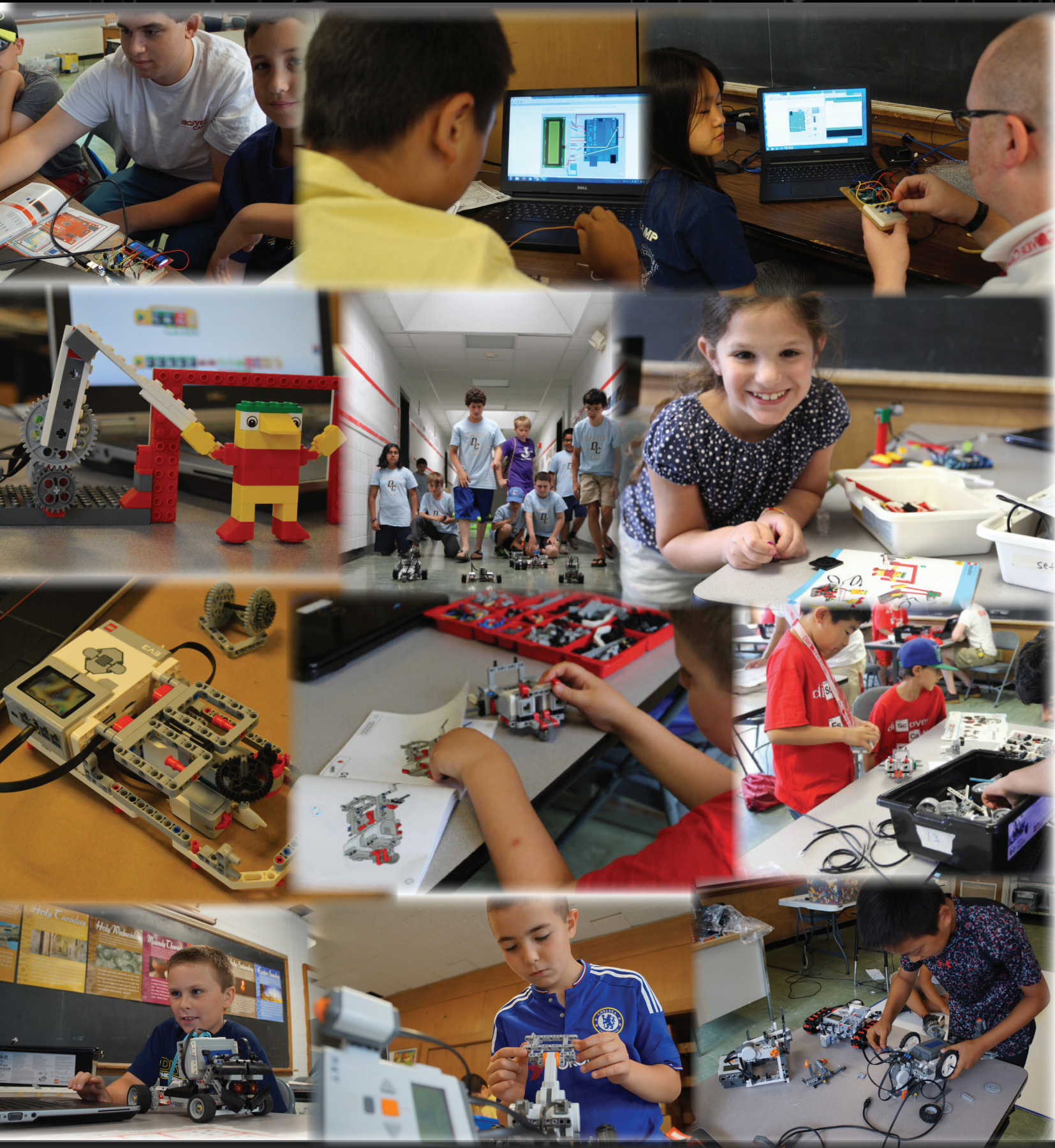
Session: II **Period:** 3

Grades: 3+

Materials fee: \$140

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

DISCOVER CAMP



***New 050-All About Arduino Advanced**

This course will focus on more complex and more customized projects that campers can build and take home. Some examples are a catapult with a pressure sensor, a pipe robot that is controlled by your smartphone, a LEGO Nerf Arduino Turret, or turning your Arduino into a Bluetooth beacon for others to discover! This is not an introductory course; some experience with Arduino is required.

Session: I**Period: 3****Grades: 5+****Materials fee: \$275****Instructor:** James Amodio, NYS certified physics teacher, Riverside H.S***New 051-LEGO® WEDO Robotics and LEGO Boost**

LEGO® Education WEDO™ is an excellent way for some of our younger campers to be introduced to LEGO® programing and transition into the EV3 classes. It combines the children's love of LEGO® building with icon based 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 environment very similar to Scratch, which make use of tilt and motion sensors and control motors and lights. New to this class will be the introduction of LEGO® Boost, the newest edition to the LEGO® robotics family. Campers will get to bring home their very own LEGO® Boost kit which include the pieces to build 5 multifunctional robots that can be programmed via a tablet device.

Session: I Period: 3**Session: II Period: 2****Grades: 2 - 4****Materials Fee: \$160****Techonlogy fee: \$25****Instructor:** Nick Domanski, NYS certified biology teacher (Campers need to have an iOS or Android tablet device for home use of LEGO® Boost)**052-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 Period: 2**Session: II Period: 3****Grades: 3 +****Technology fee: \$25****Instructor:** Nick Domanski, NYS certified biology teacher
Prerequisite: LEGO Mindstorms**053-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 Period: 2**Session: II Period: 3****Grades: 4+****Technology fee: \$25****Instructor:** Nick Domanski, NYS certified biology teacher



054-Stop Motion 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 photography. Stop motion animation allows the photographer to tell a story. This style of photography makes a physically manipulated object appear 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 (and LEGO) 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 they work that way. We'll explore some great apps that make simple stop motion available to anyone.

Session: I and II

Period: 4

Grades: 4 +

Materials fee: \$25

Technology fee: \$25

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

***New 055-The Actor, the Writer, the Director (Movie making, Acting, and Filming)**

In this class campers will work with Michael C. Williams, star of the 1999 independent film gone Hollywood smash -The Blair Witch Project. Michael will work with campers in many aspects of storytelling (script writing, improvisation), filming (technical aspects for camera operators and directors), and acting (working from a script as well as comedy improvisation games). This class will immerse campers in the creative process utilizing Michael's in depth theater training as well as his 15 plus years in the entertainment industry. Campers will be working with high end digital media such as GoPro Heros, HD digital video cameras, DJI gimbal stabilized cameras, Macbook Pros, and award winning film production software. Michael has appeared on numerous prime time television shows such as Law and Order and Without a Trace along his 15 plus year journey in Hollywood. He began teaching acting in 2003 and is an adjunct professor at the Jacob Burns Film Center. Michael received his masters degree in guidance and counseling and moved away from Hollywood, back to his roots in New York, where he is now a middle school guidance counselor.

Session: I and II

Periods: 1 or 2

Grades: 3+

Technology fee: \$50

Instructor: Michael Williams, actor and star from the the original Blair Witch Project and middle school guidance counselor. Michael is also an acting instructor at Jacob Burns Film Center.



056-Discover Camp 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 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

*Pre-requisite, at least 1 year of private lessons or two years of school group lessons.

***New 057-Digital Music Production**

Digital Music will introduce campers to the electronic program 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 them understand how easy it is to introduce their ideas in music with today's technology.

Session: I and 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

*Pre-requisite at least 1 year of private lessons or several years of school lessons.

***New 058-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, Westlake Middle School

***New 059-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, become what they enjoy!

Session: I and II

Period: 4

Grades: 2+

Material fee: \$25

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

***New 060-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, Westlake Middle School



061-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

***New 062-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 designing 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: 5 +

Material fee: \$85

Instructor: Lisa Kraushaar,
Fashion Institute of
Technology graduate



***New 063-Crafting a More Beautiful World: Repurposing the Everyday Into Art**

Learn fundamental craft techniques through the use of reused and scavenged materials. We'll cover a wide range of techniques: weaving, mosaic, paper making, and sewing. For four weeks, we'll focus on seeing the world as ripe for repurposing into functional art and ornament. Class time will be hands-on making, with demos showing how to deconstruct everyday items and turn them into beautiful crafts that support a more sustainable world. Campers will have the opportunity to make tote bags, wall hangings, stepping stones, seed paper, and will be encouraged to take these new skills wherever their imagination leads!

Session: I

Period: 4

Grades: 4 +

Material fee: \$85

Instructor: Lisa Kraushaar,
Fashion Institute of
Technology graduate

***New 064-Metal Stamping, Beading and Clay**

Learn the art of Metal Stamping! In this class, have fun expressing your creativity while working with metal. What could be more fun than creating your favorite messages, quotes or even better, your own original designs. Transform an array of metal shapes including brass, silver plate, copper and stainless steel. Learn techniques such as texturing, hammered effects, antiquing and so much more! Create necklaces, keychains, bracelets, ankle bracelets, earrings, rings, pet jewelry, wall art and unique gifts.

Part two of our program will consist of learning the basics of bead stringing using colorful glass beads and soft beading wire. Campers will learn exciting jewelry making techniques and are highly encouraged to explore the use of color and pattern.

In part three of the program, students will learn how to create wonderful clay items. Campers will have a blast crafting donuts for key chains, cupcake charms, Skittle bracelets, lolly-pop keepsakes and cute kawaii animals. Create your own donut store, animal charms and more!

Session: II

Period: 2

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 065-Jewelry Making and Creative Crafts**

What could be more fun than being totally immersed in 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 exotic beads from all over the world. Campers will learn basic jewelry making techniques such as wire working, mixed media, bead stringing, clay and more! In addition, children will learn the proper use and control of tools used throughout the jewelry industry.

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.

***New 066-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. Light art projects include everything from wearables to painting on canvas.

Session: I

Period: 2

Grades: 3 +

Material fee: \$75

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





067- 3D Wearable Art

3D Wearable Art is a unique, hands-on program for children who love being creative. Campers will explore exciting and fun techniques to produce one of a kind wearable art. Our young creators will work with an array of fascinating mediums while developing the skills to construct designs in a three dimensional form. Campers will explore mixed media, collage, and simple construction techniques. If you love to draw, paint, and create then you'll love 3D Wearable Art! This class focuses on building strong visualization skills and encourages innovative thinking! Let's look at some of our projects for 2018!

3D animal themed wallets, rainbow tie dye bracelets, design your own tablet case, jewelry making, fuzzy fleece pillows, back to school accessories, pencil cases, hair accessories, splatter paint glow in the dark T-shirts, phone cases, Skittle candy purses, cupcake key chains, cute emoji pillows and more!

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.

068-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. Some of our handmade adornments will include, miniature clay donuts, cupcakes, M&Ms, Skittles and more. If you can imagine it, we'll try to create it! All of these products make super cool gifts for friends and family. 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: I

Period: 4

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 069-Wonders of Natural Art**

In this class campers will work with various organic mediums to create their unique works of art using beautiful sea shells, flowers, driftwood, sea glass, beach sand, pearls, sand dollars, natural gemstones and more. All you need to bring is your imagination. Throughout this program, young artists can challenge themselves to construct amazing “miniatures” and an array of organic projects Children will love bringing their art to life by creating animals such as owls, turtles, pandas and more. Check out some of our exciting projects that will be offered this summer: Ocean Art, Water Worlds, Tropical Islands with “real water effects”, terrariums with live cactus, sun catchers, mini gardens, beach and nautical décor, dream catchers and colorful wind chimes

Session: II

Period: 3

Grades: 3 +

Material fee: \$65

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

070-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: 3

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 071-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

Period: 1

Grades: 2+

Material fee: \$85

Instructor: Danielle Poletto, NYS certified Art teacher

***New 072-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

Grades: 3+

Material fee: \$75

Instructor: Danielle Poletto, NYS certified Art teacher

***New 073-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

Period: 3

Grades: 3+

Material fee: \$85

Instructor: Danielle Poletto, NYS certified Art teacher



***New 074-Animal Sculptures**

Campers will be introduced to the concept of sculpture through a hands-on exploration of the four basic processes: carving, modelling, casting and construction. Beginning with an art historical overview, classical through contemporary sculpture will provide ample inspiration. As campers create both real and imagined creatures, they will be studying how different angles and shapes create positions and moods of their animals. Using a wide variety of materials and found objects, campers will develop their hand eye coordination and creativity.

Session: II

Period: 1

Grades: 2+

Material fee: \$80

Instructor: Amelia Perry,
Art Historian

***New 075-Drawing in Nature: Flora and Fauna**

Students will be introduced to a variety of contemporary artists who are celebrated for their ability to experiment in paint application, subject matter, expressive line and pure color. Some of the artists that will be studied to inspire students' individual creativity are Wassily Kandinsky, Andy Warhol, Henri Matisse and Jackson Pollock among others.

Session: II

Period: 2

Grades: 3+

Material fee: \$75

Instructor: Amelia Perry,
Art Historian

***New 076-Shapes and Colors Through Still Life**

In still life painting, often simple objects such as a bowl, fish or flower mean much more than what is first visible. Citing examples from art history, campers will learn how to look for this deeper cultural significance, and how still life has developed over time. Basic elements for color theory, how to mix paints, and composition will be introduced. Campers will also learn how different paint brushes are used and the effect acrylic paint has on different materials. Techniques to simplify objects into basic shapes will be explored.

Session: II

Period: 3

Grades: 3+

Material fee: \$80

Instructor: Amelia Perry,
Art Historian



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.

077-Standard Board

These boards are commonly used for tricks and ramps. Material fee: \$115

078-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

079-Cruiser

Cruisers aren't made for tricks. They have bigger softer wheels for a much smoother ride. Material fee: \$150

080-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



081-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 tac's, 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 the 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

082-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



083-Boys and Girls 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 and II

Period: 1 **Grades:** 2-3

Period: 4 **Grades:** 4+

Material fee: \$0

Instructor: Connor Cohn,
NYS certified economics
teacher

084-Boys and Girls 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: DC Staff

085-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 and II

Period: 1

Grades: 3 +

Session I

Transportation fee: \$95

Site fee: \$55

Session II

Transportation fee: \$75

Site fee: \$37.50

Instructor: Adam

Benveniste, NYS certified
H.S. English teacher and
coach

***New 086-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 and II

Period: 3

Grades: 2 +

Material fee: \$0

Instructor: Connor Cohn,
NYS certified economics
teacher



087-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 and II

Period: 2

Grades: 3 +

Material fee: \$0

Instructor: Connor Cohn, NYS certified economics teacher

088-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 and II

Periods: 2 or 3

Grades: 4+

Material fee: \$0

Instructor: Adam Benveniste, NYS certified English teacher and coach

089-Archery and Outdoor Games

Archery is a huge hit at Discover Camp with both boys and girls. 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.



090-Indoor Rock Climbing at The Cliffs (boys and girls)

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 (who works at The Cliffs) 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: \$95

Session II

Transportation fee: \$75

Site fee: \$75

Instructor: The Cliffs

091-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: \$95

Session II

Transportation fee: \$75

Site fee: \$75

Instructor: The Cliffs



092-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

093-Tennis

Taught at Westchester Indoor Tennis Club by Certified Professional Tennis coaches. 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. We're excited that the facility is under new ownership. They've promised us an awesome summer.

Session: I and II

Periods: 2 or 3

Grades: 3+

Session I

Transportation fee: \$95

Site fee: \$95

Session II

Transportation fee: \$75

Site fee: \$75

Instructor: Westchester
Indoor Tennis Club



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.

094-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 and II

Period: 4

Grades: 2-3

Material fee: \$80

Instructor: Ely Perry,
NYS certified educational
technology teacher



095-**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 children 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

096-**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 20 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.

097-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.



Session: I and II

Periods: 1, 2, 3, or 4

Grades: 4+

Material fee: \$325

Offroad track fee: \$10

Instructors: JP Kaminski, NYS certified educational technology facilitator and Davis Taylor, RC hobbyist

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.

098-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, remote and receiver.**

Session: I and II

Periods: 1, 2, 3, or 4

Grades: 4+

Material fee: \$200

Offroad track fee: \$10

Instructors: JP Kaminski, NYS certified educational technology facilitator and Davis Taylor, RC hobbyist

099-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 (electric 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: \$10

Instructors: JP Kaminski, NYS certified educational technology facilitator and Davis Taylor, RC hobbyist

***New 100-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 (electric 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: \$400

Instructors: JP Kaminski, NYS certified educational technology facilitator and Davis Taylor, RC hobbyist

Prerequisites: Must have built a Traxxas Slash with DC or any other intermediate or advanced kit at DC

101-Advanced Racing Academy - 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: \$10

Instructors: JP Kaminski, NYS certified educational technology facilitator and Davis Taylor, RC hobbyist

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

102-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: \$10

Instructors: JP Kaminski, NYS certified educational technology facilitator and Davis Taylor, RC hobbyist

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

103-Advanced Racing Academy - 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 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: \$490

Offroad track fee: \$10

Instructors: JP Kaminski, NYS certified educational technology facilitator and Davis Taylor, RC hobbyist

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

104-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.

Session: I and II

Periods: 1, 2, 3, or 4

Grades: 4+

Material fee: \$TBD

Offroad track fee: \$10

Instructor: JP Kaminski, NYS certified educational technology facilitator

***New 105-MyLaps (For Returning Campers)**

Students will receive a brand new MyLaps Transponder so that they can connect to our new timing system. This transponder and timing system allows students to challenge themselves to be consistent and learn more about their race cars to achieve the fastest times. Campers keep their personal transponder. Prerequisites: Must have built a car with Discover Camp other than a Slash and/or completed both Intro and Intermediate Level Racing Academy classes. Contact Davis Taylor with questions (dtaylor@discovercamp.com)

Session: I and II

Periods: 1, 2, 3, or 4

Grades: 4+

Material fee: \$120

Offroad track fee: \$10

Instructor: JP Kaminski, NYS certified educational technology facilitator

106-Discover Camp Racing and Repairs (For Returning Campers)

Any camper who has previously taken The Racing Academy and is interested in getting their vehicles back in order and racing their vehicles should join this class. 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. No additional fees are charged except for parts needed for repairs or upgrades like tires and shocks.

Contact Davis Taylor with questions (dtaylor@discovercamp.com)

Session: I and II

Periods: 1, 2, 3, or 4

Grades: 4+

Material fee: \$0

Offroad track fee: \$10

Instructor: JP Kaminski, NYS certified educational technology facilitator

Discover Camp 2018 Daily Schedule Session I

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 Science Chefs (Grade 1) pg 16	001-DC Juniors Multi Sports (Grade 1) pg 16	001-DC Juniors Mini Picassos (Grade 1) pg 16	001-DC Juniors DC Young Makers (Grade 1) pg 16
002-Rube Goldberg (Grades 2-3) pg 18	002-Rube Goldberg (Grades 4-6) pg 18		010-Pokemone Level I (Grades 2+) pg 22
003-Intro to Rockerty (Grades 3+) pg 18	004/005-Advanced Rocketry I and II (Grades 4+) pg 19	003-Intro to Rockerty (Grades 3+) pg 18	011-Pokemon Level II (Grades 2+) pg 22
006-Aeronautics (Grades 3+) pg 20	008-Outdoor FPV Drone Racing (Grades 6+) pg 21	007-Indoor FPV Drone Racing (Grades 5+) pg 20	017-Siege Machines Plus (Grades 4+) pg 24
014-Warhammer Level I (Grades 3+) pg 23	009-Multi-level Chess (Grades 2+) pg 21	009-Multi-level Chess (Grades 2+) pg 21	018-App Genius Game Creator (Grades 5+) pg 24
015-Warhammer Level II (Grades 3+) pg 23	016-X-Wing (Grades 4+) pg 23	012-Dungeons and Dragons Level I (Grades 3+) pg 22	
022-Puzzle Breakers Game Design (Grades 4+) pg 27	022-Puzzle Breakers Game Design (Grades 4+) pg 27	013-Dungeons and Dragons Level II (Grades 4+) pg 22	025-Design Using Minecraft (Grades 3+) pg 28
024-Minecraft (Grades 2+) pg 27	023-Game Design Using Robloks (Grades 4+) pg 27	019-Scratch (Grades 3-5) pg 24	029-Advanced VR (Grades 5+) pg 29
028-Intro to VR (Grades 4+) pg 29	026-Bricks, Bits, and Blocks (Grades 4+) pg 28	023-Game Design Using Robloks (Grades 4+) pg 27	030-Intro to 3D Printing and Design (Grades 4+) pg 30
030-Intro to 3D Printing and Design (Grades 4+) pg 30	027-Minecraft VR (Grades 4+) pg 29	027-Minecraft VR (Grades 4+) pg 29	034-Laser Etching and Engraving (Grades 4+) pg 31
032-3D Inventors (Grades 5+) pg 31	031-3D Printing Using Sketchup (Grades 4+) pg 30	031-3D Printing Using Sketchup (Grades 4+) pg 30	037-Electronic Game Construction Level 2 (Grades 6+) pg 32
036-Electronic Game Construction (Grades 6+) pg 32	034-Laser Etching and Engraving (Grades 4+) pg 31	032-3D Inventors (Grades 5+) pg 31	
047-Raspberry Pi Is Delicious (Grades 5+) pg 38	035-Build Your Very Own PC (Grades 5+) pg 32	035-Build Your Very Own PC (Grades 5+) pg 32	045-Elementary Electricity (Circuit Playground) (Grades 2-5) pg 38
049-All About Arduino (Grades 3+) pg 38	052-LEGO Robotics Mindstorms EV3 (Grades 3+) pg 41	050-All About Arduino (Advanced) (Grades 5+) pg 41	054-Stop Motion and High Speed Videography (Grades 4+) pg 42
	053-LEGO Mindstorms EV3 Advanced(Grades 4+) pg 41	051-LEGO WEDO and Boost (Grades 2-4) pg 41	
055-The actor, the writer, the diretor (Grades 3+) pg 42	055-The actor, the writer, the diretor (Grades 3+) pg 42	057-Digital Music Production (Grades 3+) pg 43	059-These Images are Alive (Grades 2+) pg 44
056-Discover Camp Rock Band (Grades 3+) pg 43	056-Discover Camp Rock Band (Grades 3+) pg 43	058-World Explorations (Grades 2+) pg 44	060-Fun with Spanish and Italian (Grades 3+) pg 44
062-Textile Arts: Design and Creation (Grades 5+) pg 45	060-Fun with Spanish and Italian (Grades 2-3) pg 44	070-Rock Out Your Room (Grades 3+) pg 49	063-Crafting a More Beautiful World (Grades 4+) pg 46
065-Jewelry Making and Creative Crafts (Grades 2+) pg 47	066-World of Glass and Light Art (Grades 3+) pg 47	073-Discover Painting (Grades 3+) pg 50	
071-Discover Sculpting (Grades 2+) pg 49	072-Discover Drawing (Grades 3+) pg 50	077, 078, 079, 080 Build a Board (Grades 3+) pg 52	068-Lotions, Potions and More! (Grades 3+) pg 48
081-Intro to Skateboarding (Grades 2+) pg 53	081-Intro to Skateboarding (Grades 2+) pg 53	086-Backyard Games (Grades 2+) pg 54	083-Boys and Girls Basketball (Grades 4+) pg 54
082-Advanced Skateboarding (Grades 2+) pg 53	082-Advanced Skateboarding (Grades 2+) pg 53	088-Floor Hockey (Grades 4+) pg 56	089-Archery & Outdoor Games (Grades 4+) pg 56
083-Boys and Girls Basketball (Grades 2-3) pg 54	084-Boys and Girls Soccer (Grades 2-3) pg 54	089-Archery & Outdoor Games (Grades 4+) pg 56	090-Indoor Rock Climbing (Grades 2+) pg 58
084-Boys and Girls Soccer (Grades 4+) pg 54	087-Multi-Sports (Grades 3+) pg 56	090-Indoor Rock Climbing (Grades 2+) pg 58	091-Indoor Rock Climbing for returning climbers (Grades 2+) pg 58
085-Golf Swing Like the Pros (Grades 3+) pg 54	088-Floor Hockey (Grades 4+) pg 56	091-Indoor Rock Climbing for returning climbers (Grades 2+) pg 58	092-Gymanstics (Grades 2+) pg 59
089-Archery & Outdoor Games (Grades 4+) pg 56	089-Archery & Outdoor Games (Grades 4+) pg 56	093-Tennis (Grades 3+) pg 59	094-Mini-4WD (Grades 2-3) pg 60
095-Mini-Z Racing (Beginners) (Grades 3+) pg 61	093-Tennis (Grades 3+) pg 59	095-Mini-Z Racing (Beginners) (Grades 3+) pg 61	
	096-Mini-Z Racing (Returning campers) (Grades 3+) pg 61		
097-106- The Racing Academy (Grades 4+) pg 62-65	097-106- The Racing Academy (Grades 4+) pg 62-65	097-106- The Racing Academy (Grades 4+) pg 62-65	097-106- The Racing Academy (Grades 4+) pg 62-65

Discover Camp 2018 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 Edible Experiments (Grade 1) pg 17	001-DC Juniors Multi Sports (Grade 1) pg 17	001-DC Juniors Chess (Grade 1) pg 17	001-DC Juniors Arts and Crafts (Grade 1) pg 17
003-Intro to Rockerty (Grades 3+) pg 18	002-Rube Goldberg (Grades 2+) pg 18	003-Intro to Rockerty (Grades 3+) pg 18	010-Pokemon Level I (Grades 2+) pg 22
006-Aeronautics (Grades 3+) pg 20	004/005-Advanced Rocketry I and II (Grade 4+) pg 19	012-Dungeons and Dragons Level I (Grades 3+) pg 22	011-Pokemon Level II (Grades 2+) pg 22
014-Warhammer Level I (Grades 3+) pg 23	009- Multi-level Chess (Grades 2+) pg 21	013 Dungeons and Dragons Level II (Grades 4+) pg 22	017-Siege Machines Plus (Grades 4+) pg 24
015-Warhammer Level II (Grades 3+) pg 23	016-X-Wing (Grades 4+) pg 23	020-Scratch Coding with Mbots (Grades 3+) pg 24	018-App Genius Game Creator (Grades 5+) pg 24
022-Puzzle Breakers Game Design (Grades 4+) pg 27	022-Puzzle Breakers Game Design (Grades 4+) pg 27	021-Game Design with Construct 2 (Grades 5+) pg 27	
024-Minecraft (Grades 2+) pg 27	023-Game Design Using Robloks (Grades 4+) pg 27	023-Game Design Using Robloks (Grades 4+) pg 27	025-Design Using Minecraft (Grades 3+) pg 28
028-Intro to VR (Grades 4+) pg 29	029-Advanced VR (Grades 5+) pg 29		029-Advanced VR (Grades 5+) pg 29
033-3D Inventros Maker-Space (Grades 4+) pg 31	030-Intro to 3D Printing and Design (Grades 4+) pg 30	030-Intro to 3D Printing and Design (Grades 4+) pg 30	033-3D Inventros Maker-Space (Grades 4+) pg 31
034-Laser Etching and Engraving (Grades 4+) pg 31	032-3D Inventors (Grades 5+) pg 31	032-3D Inventors (Grades 5+) pg 31	034-Laser Etching and Engraving (Grades 4+) pg 31
036- Electronic Game Construction (Grades 6+) pg 32	035-Build Your Own PC (Grades 5+) pg 32	041-Soldering Circuits (Grades 4+) pg 36	037-Electronic Game Construction Level 2 (Grades 6+) pg 32
039-Robots, Racers, and Circuits (Grades 2+) pg 36	040-Alternative Energy Vehicles (Grades 2+) pg 36	046-Make your own Laptop (Grades 3-6) pg 38	038-Art with Light and Motion (Grades 3+) pg 32
042-Discover Camp Light Sculptures (Grades 4+) pg 37	043-Wonderful Wired Wearables with Arduino (Grades 5+) pg 37	047-Raspberry Pi Is Delicious (Grades 5+) pg 38	044-Kinetic Creatures (Grades 5+) pg 37
048-Advanced Raspberry Pi (Grades 5+) pg 38	051-LEGO WEDO and Boost (Grades 2-4) pg 41	049-All About Arduino (Grades 3+) pg 38	046-Make your own Laptop (Grades 3-6) pg 38
055-The actor, the writer, the director (Grades 3+) pg 42	055-The actor, the writer, the director (Grades 3+) pg 42	052-LEGO Robotics Mindstorms EV3 (Grades 3+) pg 41	054-Stop Motion and High Speed Videography (Grades 4+) pg 42
056-Discover Camp Rock Band (Grades 3+) pg 43	056-Discover Camp Rock Band (Grades 3+) pg 43	053-LEGO Mindstorms EV3 Advanced (Grades 4+) pg 41	059-These Images are Alive (Grades 2+) pg 44
	061-Food Network World Tour (Grades 3-6) pg 45	057-Digital Music Production (Grades 3+) pg 43	065-Jewelry Making and Creative Craft (Grades 2+) pg 47
067-3D Wearable Art (Grades 3+) pg 48	064-Metal Stamping, Beading and Clay (Grades 3+) pg 46	069-Wonders of Natural Art (Grades 3+) pg 49	083-Boys and Girls Basketball (Grades 4+) pg 54
074-Animal Sculptures (Grades 2+) pg 51	075-Drawing in Nature Flora and Fauna (Grades 3+) pg 51	076-Shapes and Colors Through Still Life (Grades 3+) pg 51	089-Archery & Outdoor Games (Grades 4+) pg 56
081-Intro to Skateboarding (Grades 2+) pg 53	081-Intro to Skateboarding (Grades 2+) pg 53	077, 078, 079, 080 Build a Board (Grades 3+) pg 52	
082-Advanced Skateboarding (Grades 2+) pg 53	082-Advanced Skateboarding (Grades 2+) pg 53	086-Backyard Games (Grades 2+) pg 54	090-Indoor Rock Climbing (Grades 2+) pg 58
083-Boys and Girls Basketball (Grades 2-3) pg 54	084-Boys and Girls Soccer (Grades 2-3) pg 54	088-Floor Hockey (Grades 4+) pg 56	091-Indoor Rock Climbing for returning climbers(Grades 2+) pg 58
084-Boys and Girls Soccer (Grades 4+) pg 54	087-Multi-Sports (Grades 3+) pg 56	089-Archery & Outdoor Games (Grades 4+) pg 56	092-Gymnastics (Grades 2+) pg 59
085-Golf Swing Like the Pros (Grades 3+) pg 54	088-Floor Hockey (Grades 4+) pg 56	090-Indoor Rock Climbing (Grades 2+) pg 58	094-Mini-4WD (Grades 2-3) pg 60
089-Archery & Outdoor Games (Grades 4+) pg 56	089-Archery & Outdoor Games (Grades 4+) pg 56	091-Indoor Rock Climbing for returning climbers (Grades 2+) pg 58	
095-Mini-Z Racing (Beginners) (Grades 3+) pg 61	093-Tennis (Grades 3+) pg 59	093-Tennis (Grades 3+) pg 59	
	096-Mini-Z Racing (Returning campers) (Grades 3+) pg 61	095-Mini-Z Racing (Beginners) (Grades 3+) pg 61	
097-106- The Racing Academy (Grades 4+) pg 62-65	097-106- The Racing Academy (Grades 4+) pg 62-65	097-106- The Racing Academy (Grades 4+) pg 62-65	097-106- The Racing Academy (Grades 4+) pg 62-65

DISCOVER SENIOR CAMPER

The Senior Camper training program has been developed to meet the needs of our 14 year old campers that meet specific qualifications. Campers who accept this role must be former campers for at least two summers, 14 years old at the start of the summer and must be dedicated to becoming a CIT at Discover Camp the following summer. A Senior Camper must register for Session I, Session II, or both and will be awarded a 50% scholarship on tuition.

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. 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 2018 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 2018 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 11, 2018.**

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

<p>Area #1</p> <p><input type="checkbox"/> Anne Hutchinson School (front circle)</p> <p><input type="checkbox"/> Greenvale School (front circle)</p> <p><input type="checkbox"/> Scarsdale Train Station (in front of Starbucks)</p> <p><input type="checkbox"/> Fox Meadow School</p> <p>Area #2</p> <p><input type="checkbox"/> Greenville School-Edgemont Circle near playground</p> <p><input type="checkbox"/> Ardsley Middle School- Playground parking</p> <p>Area #3</p> <p><input type="checkbox"/> Murray Ave School</p> <p><input type="checkbox"/> Quaker Ridge School</p> <p><input type="checkbox"/> Heathcoate School</p> <p>Area #4</p> <p><input type="checkbox"/> Greenwich H.S.</p> <p><input type="checkbox"/> Greenwich Boys and Girls Club</p> <p><input type="checkbox"/> George Washington School, White Plains</p>	<p>Area #5 (Must have door to door service)</p> <p><input type="checkbox"/> Purchase Area</p> <p><input type="checkbox"/> Armonk Village Area</p> <p><input type="checkbox"/> Whippoorwill Area</p> <p><input type="checkbox"/> East Pleasantville Area</p> <p>Area #6 (Must have door to door service)</p> <p><input type="checkbox"/> Chappaqua Area</p> <p><input type="checkbox"/> Croton-On-Hudson Area</p> <p><input type="checkbox"/> Ossining Area</p> <p><input type="checkbox"/> Briarcliff Manor Area</p> <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

Ten 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

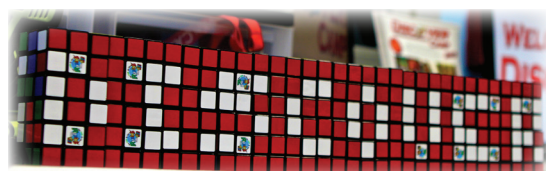
"I wanted to thank you and Mr. O'Neil and Mr. Melendez and staff for another amazing summer at Discover Camp (his 5th). Discover has been a God send for my son and the summer days of the camp sessions are truly the most reliably happy days for him of the entire year. School is not a good fit for him 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 1st. 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
\$840

“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?