



# *DISCOVER*

*CAMP*

*Summer 2021*









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# MEET THE

Dear Parents,

It's hard to believe this is Discover Camp's fourteenth year and my twenty-seventh 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 and I've been teaching technology classes to elementary and middle school students in Eastchester since 1994.

COVID affected all of us in 2020. When schools shut down and we were sent home to work remotely not only did we teach our classes but we set up our 3D printers and laser cutters and went to work building shields for our frontline workers. We raised \$75,000 and started a 501c3 charity, DiscoverCares.org. A dozen of our Discover Camp teachers, their families and friends were involved and when the smoke cleared we had built and distributed over 12,000 shields all over the tri-state area.

We knew summer 2020 wouldn't look the same so in May we retooled the entire Discover Camp program. We were honest and transparent with families and kept them informed with weekly newsletters. We created what became known as the "cohort model" where one teacher and a counselor worked with a group of twelve campers all day creating a tight knit family. We also created a virtual camp in partnership with Mastercard. Both programs were extremely successful in a summer when success was measured in safety not finance.

Not everyone felt safe about returning to camp and we proudly offered refunds or credit towards summer 2021. In a show of support almost half our families rolled their tuition to summer 2021.

This brings us to today. No one knows for sure what summer 2021 will look like but we're confident that we can return safer and even better than ever by allowing the children to switch classes while keeping the safety protocols that we implemented in summer 2020. We look forward to giving your children an amazing experience.



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

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 camp is easily accessible from the Sprain, Taconic, Bronx River, and Saw Mill River Parkways.

Truly yours,

*Anthony and Sabrina Rich  
Founders and Directors*



# DIRECTORS

Dear Parents,

2020 was certainly one for the books, but when I look back on it I can still see the positives. In the early spring of 2020, during the heart of the pandemic, we helped lead the way in aiding our local frontline workers by 3D printing and laser cutting over 12,000 face shields. The success of this effort led to the formation of a new non-for profit charity, DiscoverCares. Our leading program, Shields for Our Heroes, was a huge success which supplied our tri-state area frontline workers with higher quality face shields

In the late spring we worked vigorously to successfully plan, create and implement both an in person and virtual program amidst the pandemic. It was a challenging time to put it mildly. The result of this hard work was a safe, fun, and COVID free camp experience.

Over the past twenty one years as a fifth grade teacher, I have taught children with all styles of learning. The one thing that holds true, no matter the child, is the link between success and passion. Discover Camp provides children with opportunities to learn with passion. As I begin my 22nd year a new and exciting adventure comes with it. I join Mr. Rich as an Elementary Technology Teacher in the Eastchester UFSD School District. In this position we educate 2nd-5th grade children in 3D Design, Coding, Google Suite, and much more at the Greenvale and Anne Hutchinson Schools. I am looking forward to collaborating with Mr. Rich in this new endeavor.

I was fortunate to figure out at a young age that I wanted to become an educator. When I was a freshman in high school I had a teacher who made a positive impact on me. I knew right then that I wanted to do the same for others. My heart and mind were set on being a teacher, a coach and eventually a principal. Upon graduation from Iona College in 1999, I began working at P.S. 24 in the Bronx as a fifth grade teacher. Upon completing a master's 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, while teaching fifth grade at the Anne Hutchinson School in Eastchester, NY, 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 at Discover Camp over the summer where I learned the art of teaching rocketry, but more importantly saw first-hand what a dynamic and unique person he is. A few summers passed and while Discover Camp grew, I earned a Master's degree in Educational Leadership and thought I was ready to pursue the next part of my vision, becoming a principal. The problem was not opportunity, but the realization that I never wanted to leave the classroom and that's where Discover Camp has provided me the balance I had 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 during the school year, 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 first 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 a person who puts as much heart into something as Mr. Rich has put into this camp. Every summer we all get to "Discover" something new and exciting.

Sincerely,

*David O'Neil Assistant Director*



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



# MEET THE

Hello Families,

This will be my twelfth summer at Discover Camp. I have seen campers I've taught my first year become counselors and go on to college. I truly feel lucky to be working in such a special place.

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

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

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

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

Everyday brings new challenges and new ideas. Part of our philosophy is to make sure Discover Camp is on the leading edge of what is new. All the work done year round comes together for me during the summer when I get to see all the pieces fit into place. By far, one of the biggest highlights is when campers come to me to show me the projects they are working on. I am excited for a return to a new and safer Discover Camp for summer 2021 and see what campers do this year. It is truly inspiring for me to see the magic that happens at camp. Discover Camp is a one of a kind place. I wish it was around when I was younger!

Sincerely,

*Anthony Melendez*  
*Assistant Director*



*Anthony Melendez  
and Lucas*



*Discover Camp staff BBQ*

# DIRECTORS

Dear Families,

I am very pleased to enter my third year as a registered nurse at Discover Camp. I have been a registered nurse for nine years. With experience in having worked in a hospital and also a pediatric practice, I have been the School Nurse for the Dobbs Ferry Middle School and High School for the past five years. I am excited to be a part of the Discover Camp staff where educational excellence, creativity, imagination, and pure fun are our focus.

Each 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. Our medical office is equipped with an AED, oxygen, a nebulizer machine, epi-pens, and a collaborative agreement with Phelps Memorial Hospital to administer epinephrine so that your child does not have to. We are always open to suggestions to improve medical care for our children, so please do not hesitate to reach out to us at [medical@discovercamp.com](mailto:medical@discovercamp.com).

This summer, I will be celebrating fourteen years of marriage to my wonderful husband Mark. We have three amazing sons, Christopher, Carmelo, and Caleb. Not only am I a Discover Camp staff member, but I am a Discover Camp parent, too. As a parent, it is reassuring to know that my children are safe while having fun and enriching experiences.



*Mark, Christopher, Carmelo,  
Caleb and Cara*

Please keep in mind the following required items in order for your children to start camp. There are **no exceptions**.

- Discover Camp online medical form
- Medication Authorization forms, should your child need to take medications during camp hours. These 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 their 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. I am looking forward to seeing you this summer!

Best,

*Cara de Leon, BSN, RN  
Discover Camp Head Nurse*



# 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 **70 years combined teaching experience**. Anthony Melendez is a NYS certified technology teacher who left teaching to join Discover Camp.
2. The majority of Discover Camp's teachers are **NYS certified teachers**. Our other instructors have degrees and experience in their chosen fields.
3. 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.
4. Teachers design their own courses and love what they are teaching.
5. Our student to adult ratio is typically **5:1**.
6. We encourage **differentiation of curriculum** to meet a wide range of student abilities.
7. We believe that all children excel when provided with **enrichment activities and a supportive environment**.
8. 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.
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. Seven Computer Labs: **6 Dell labs** with 25 laptops each, one **Mac Lab** with 24 Mac Book Pros, one robotics lab with 20 Dell laptops.
13. Two state of the art **Virtual Reality Labs**.
14. The only camp in the US with **two dedicated 3D printing labs with over 50 printers and two laser etchers and cutters**.
15. "No expense spared" attitude towards investing in the best materials for camp.
16. We own all our equipment and re-invest every year in new technologies.
17. Discover Camp owns the **largest Mini-Z** track in the country.
18. On-site off road radio controlled truck and buggy track.
19. All classrooms and the cafeteria are **air conditioned**.
20. Discover Camp is quite simply, "**The Best Camp in Westchester!**"-Discover Camp parent



# COVID SAFETY MEASURES

- We will follow all local health department and CDC guidelines at the time of opening.
- All families will be required to complete an online daily health form which will include a temperature check.
- Campers will have their temperature checked again upon arrival.
- Campers will likely be required to wear masks indoors. (We will follow health department/CDC recommendations).
- Discover Camp will provide a variety of reusable and disposable camper and adult masks.
- Campers will sanitize their hands upon arrival to camp, upon entering and exiting a classroom, after using the restroom and before and after lunch.
- Classrooms and high touch areas will be sanitized several times a day.
- Social distancing requirements will be followed.
- Campers will be required to quarantine if their families choose to visit or attend a camp in a state with a quarantine requirement.
- Due to CDC guidelines on capacity, we are not going to be able to offer parent visitation. If anything changes during the summer, we will notify families of the possibility of visitation.
- The good news: Discover Camp had ZERO COVID cases during the summer of 2020 because we and families adhered to the CDC and ACA guidelines.

## IMPORTANT INFORMATION

- Camp is closed Monday July 5th in observance of Independence Day.
- Camp T-shirts will be distributed during the week of June 21st. If campers do not pick them up that week they can receive the items on the first day of camp. Campers are encouraged to wear their shirts everyday. Campers will receive four camp shirts.
- Each camper should carry a 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.
- 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 reserve 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.



# DISCOVER CAMP

**Program Overview:** Discover Camp is a day camp for children ages 5 - 15. The camp is divided into two sessions. Session I is four weeks long from June 28th to July 23rd. Session II is three weeks long from July 26th to August 13th. The day is from 9 a.m. to 3:30 p.m. broken up into four 90 minute periods with an hour for lunch/recess. Campers and parents build and create their own schedule based on class offerings. Please refer to pages 68 and 69 for the master schedule. Classes are taught by NYS certified teachers and/or industry professionals. Discover Camp is a place your child can nourish their creativity, spark curiosity, and explore their interests.

What will your children DISCOVER this summer?

Stretch your payments out now through July 31st with no additional fees.

## TUITION RATES + CAMP DATES

### Registration Dates

2020 Returning Families & Supporting Families:  
January 25, 2021 at 6:00 p.m.

2019 Returning Families:  
January 27, 2021 at 6:00 p.m.

New Families:  
January 28, 2021 at 6:00 p.m.

#### Office Hours:

9:30 a.m. - 4:30 p.m.

Phone: (914) 462 - 0360

E-mail:

Info@DiscoverCamp.com

### 2021 Early Registration Rates\*

2021	Morning 9:00 am - 1:00 pm Lunch Included	Afternoon 1:00 pm - 3:30 pm	Full Day 9:00 am - 3:30 pm Lunch Included
Session I June 28th - July 23rd	\$1630	\$1630	\$3100
Session II July 26th - August 13th	\$1330	\$1330	\$2520
Sessions I and II June 28th - August 13th	\$2810	\$2810	\$4990

Save up to \$790 off tuition rates when you enroll by April 15, 2021 for the full summer full day. Early rates remain the same as 2020.

**\*Early Registration ends April 15, 2021**

### 2021 Tuition Rates

2021	Morning 9:00 am - 1:00 pm Lunch Included	Afternoon 1:00 pm - 3:30 pm	Full Day 9:00 am - 3:30 pm Lunch Included
Session I June 28th - July 23rd	\$1770	\$1770	\$3370
Session II July 26th - August 13th	\$1440	\$1440	\$2740
Sessions I and II June 28th - August 13th	\$3050	\$3050	\$5780

Save up to \$330 off tuition when enrolling for the full summer.

**Register Now! Decide Later!**





## ***HOW TO REGISTER***

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

Please visit [www.DiscoverCamp.com](http://www.DiscoverCamp.com) to enroll.

Enrollment for 2020 families and supporting families begins January 25, 2021 at 6:00 p.m. Enrollment for 2019 families begins January 27, 2021 at 6:00 p.m. Enrollment for new families begins January 28, 2021 at 6:00 p.m.

## ***EARLY REGISTRATION AND LOYALTY DISCOUNTS***

Each year we offer special rates to families that return to Discover Camp and register early. This year we're offering a \$790 discount on early enrollment for the full 7 weeks, full day. Registration must be received by April 15, 2021. The early registration not only helps our loyal families financially but also assists us with planning and hiring staff. The best part about our discount plan is that we do not require full payment until July 31, 2021. "Register Now, Decide Later." Early registration has no down side for families. You get to pick classes first, you get the best rates, you get to pay over time and if you later decide that summer 2021 isn't for you, you can request a refund up to May 1st.

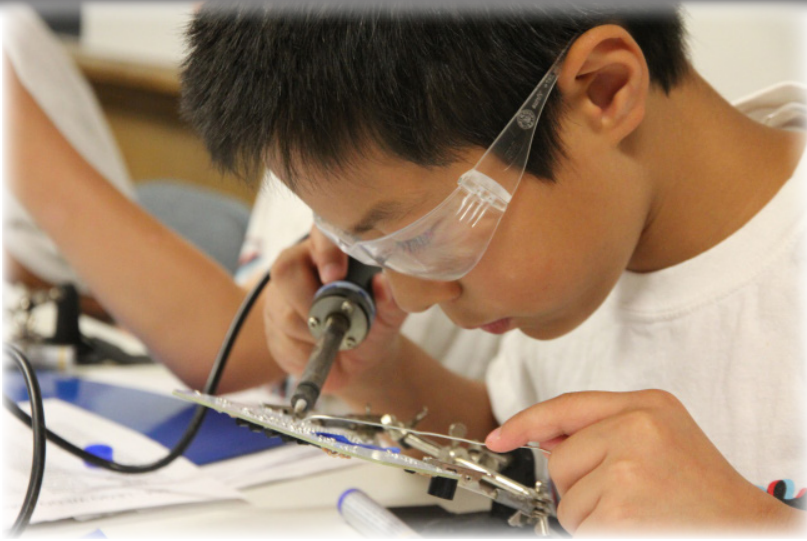
**Payment Options** We are giving parents two options for payment. You can either pay in full when you register or make automatic monthly installments. Your first monthly installment will be on your day of registration. The number of payments will be determined by your registration date. The earlier you register, the more installments you will have. Final payment will be due on or before July 31, 2021. We hope that by doing this, camp payments will be spread out for up to 7 months.

## ***REFUND POLICY***

Parents may request a 100% refund before May 1st. There are no refunds after May 1st unless drastic changes to the structure of the camp must be made in which case you will receive 100% credit towards future programs or a 95% refund. The 5% helps cover the costs of credit card charges and registration processing.







## ***SIBLING DISCOUNT***

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

**Come Meet Our Instructors Virtually**  
**Virtual Open House Dates:**  
**January 20th & 21st from**  
**7:00 p.m. - 8:30 p.m.**

## ***OPEN HOUSE***

Our open house will take place virtually on January 20th and 21st from 7:00 p.m. - 8:30 p.m. The directors will host all families from 7:00 p.m. to 7:15 p.m. After the directors' introduction parents will visit instructors in Google Meetings. The instructors will present in 15 minute blocks. Families will be able to pop into any Meeting to learn more about the class and ask questions. This is a great opportunity to meet the directors and instructors. We will publish the open house itinerary with Meeting links in our newsletter and on our website. On June 26th we will hold a registered camper orientation for all new campers and/or returning campers. The orientation will go over the camper's day, tour the facility and allow children to find each of their classrooms.

## ***DISCOVER CAMP "FAMILY AND FRIENDS" REFERRAL PROGRAM***



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

# ***DC FEES***

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

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

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

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

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

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

## ***CLASS CHANGES***

All changes must be made by phone or e-mail by June 1, 2021. After this date there will be no more class changes. Due to COVID concerns we restrict class changes after the 1st day of camp.



## DC SCHEDULE

Morning Schedule	
Early Drop Off	7:45 a.m. - 8:45 a.m. \$75 per week
Drop Off Begins	8:45 a.m. - 9:00 a.m.
Period 1	9:00 a.m. - 10:25 a.m.
Period 2 Including Lunch and Recess	10:30 a.m. - 1:00 p.m.
½ Day Pickup	1:00 p.m.
Afternoon Schedule	
Period 3	1:00 p.m. - 2:25 p.m.
Period 4	2:30 p.m. - 3:30 p.m.
Camper Pickup	3:30 p.m. - 3:50 p.m.
Late Pickup	4:00 p.m. - 5:00 p.m. \$75 per week
Extended Late Pickup	5:00 p.m. - 5:30 p.m. \$25 per week

## DC LUNCH

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

### Sample lunch form

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



# 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 to meet the needs of all learners. 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 requirement.**

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 let them 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-Due to COVID concerns we restrict class changes after the 1st day of camp.

## **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.

### 001-DC Juniors (Entering Kindergarten or 1st grade by September 2021)

DC Juniors is the ultimate Discover Camp experience for our first year campers entering kindergarten or 1st grade. Led by certified teachers and consistent counselors, our Juniors will be exposed to a wide variety of exciting and educational activities. DC Juniors do not select individual classes. You simply register for the whole program and the instructors and counselors take it from there. Please select DC Juniors for each class period.

Our DC Juniors program is carried out similar to that of a typical classroom schedule/routine. We begin each day with a morning meeting and end with a compliment circle. Campers will rotate through activities in small groups. Campers will thoughtfully be placed in small groups with consideration to the following: grade level, age, maturity and overall enrollment. Our DC Junior campers are closely supervised throughout the day by the DCJ team. Unlike the four period schedule our older campers follow, DCJ do not change classes. Our counselors escort them to and from all programming locations. This includes eating in our own juniors cafeteria and juniors-only recess. Below are some of the exciting activities the children will participate in.

- **Morning Meeting** - During our morning meeting our instructors give an overview of the day's program.
- **DCJ Science** - Our science activities are a huge hit with the Juniors. We explore chemical reactions, engineering, simple machines, weather, animals, forms of energy, etc.
- **DCJ Chefs** - Campers will be in our very own Juniors kitchen experimenting with ingredients and kitchen equipment. Juniors will learn how to properly measure ingredients and make predictions using their five senses.
- **Storybook STEAM** - During Storybook STEAM our instructors will read aloud classic children's stories as well as introduce the campers to new authors. Juniors will use a variety of materials to problem solve challenges faced by the characters in the stories.
- **Arts and Crafts** - Arts and Crafts at Discover Camp encourage campers to be creative and innovative. The activities are thought-provoking, educational and often explore themes such as culture, science, math, and are fun!
- **DCJ Builders** - A camper favorite! While expanding their fine motor skills and imagination, our juniors will have access to a variety of building materials including: LEGO, K'nex, blocks, Magna-tiles, playstix, marble-run, etc.
- **Creative Movement** - Gross and fine motor skills will be all the buzz during DJ's Creative Movement. Campers will enjoy music and props to express themselves through movement. Guided meditation and yoga will also be a key component of this section.
- **Multi-Sports** - Our instructors will introduce a variety of organized sports. Campers will learn proper techniques and participate in team building exercises that promote confidence and sportsmanship.
- **Outdoor Cooperative Games** - During outdoor games, campers will enjoy games that foster teamwork, communication, creative thinking and problem solving.
- **DCJ Music** - This exciting addition to our program will have our Juniors on their feet dancing and singing! Campers will enjoy musical games, explore movement through music, develop physical skills, channel energy, stimulate their imagination and promote creativity!
- **Compliment Circle** - DCJ will end each day with a compliment circle. Instructors, counselors and campers will share their favorite moments of the day, acknowledge camper role models, and briefly discuss the following day's schedule.

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

Time	Monday	Tuesday	Wednesday	Thursday	Friday
9:00-9:20	Morning Meeting	Morning Meeting	Morning Meeting	Morning Meeting	Morning Meeting
9:20-10:15	Multi Sports	DCJ Chefs	DCJ Builders	DCJ Science	DCJ Builders
10:15-10:30	AM Snack	AM Snack	AM Snack	AM Snack	AM Snack
10:30-11:30	Storybook STEAM	Cooperative Games	Arts & Crafts	Creative Movement	Storybook STEAM
11:30-12:30	Recess/Lunch	Recess/Lunch	Recess/Lunch	Recess/Lunch	Recess/Lunch
12:30-1:15	Cooperative Games	DCJ Builders	DCJ Science	Multi Sports	DCJ Chefs
1:15-2:00	Arts and Crafts	Storybook STEAM	Multi Sports	DCJ Builders	DCJ Music
2:00-2:15	PM Snack	PM Snack	PM Snack	PM Snack	PM Snack
2:15-3:00	DCJ Builders	DCJ Music	Creative Movement	Arts & Crafts	Cooperative Games
3:00-3:30	Compliment Circle	Compliment Circle	Compliment Circle	Compliment Circle	Compliment Circle
3:30-3:50	Camper Pickup	Camper Pickup	Camper Pickup	Camper Pickup	Camper Pickup

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

June 28th - July 2nd: Robots

July 5th - July 9th: Nature: Animals & Insects

July 12th - July 16th: Halloween

July 19th - July 23rd: Kindness

July 26th - July 30th: Disney & Super Heroes

August 2nd - August 6th: Sharks vs. Dinosaurs

August 9th - August 13th: Junior Makers

**DC Juniors  
Camper Orientation  
June 26th at 10 a.m.**

Half day options are available. The materials fee per period is \$25. When signing up for this program please select class option 001-DC Juniors for every period your child will be attending. This is a half day or full day program. Camper course selection begins when your child is entering second grade.





## 002-DC Juniors 2 - The Ultimate DC Experience (For campers who attended DC Juniors or going into 2nd grade by September 2021)

The ultimate DC experience is a program designed for our returning DC Junior campers and campers entering 2nd grade. Led by certified teachers and consistent counselors, our campers will be exposed to a wide variety of exciting and educational activities. The ultimate DC experience campers do not select individual classes. You simply register for the whole program and the instructors and counselors take it from there. Below are some activities the campers will participate in daily. Please select DC Juniors 2 for each period when registering.

### **Morning Literacy & Yoga/Meditation:**

Every day will begin with a morning meeting discussing the agenda for the day. We will then engage in a daily literacy circle. Our day will begin with the poem of the day that will be used to create our own personalized poetry anthology. Campers will be introduced to a variety of favorite authors such as Robert Munsch. Each day the instructors will select a new read-aloud story and will discuss character development, plot, and setting as a group. Some of our favorite stories are mixed up fairy tales like *The True Story of the Three Little Pigs* or *Yours Truly, Goldilocks*. Throughout the stories, campers will be encouraged to point out words that seem new and unfamiliar to them. They will learn these new words, define them, and put them on our vocabulary wall. Guided yoga/meditation will also be part of our mornings to help prepare campers for their busy day of fun.

**Arts and Crafts:** Instructors will provide campers with different art mediums to help them explore their artistic abilities, be creative and innovative. Campers will also learn about famous artists such as Picasso, Monet, O’Keeffe, and be inspired by literacy to create their artwork. Instructors will explore themes like nature, wildlife, under the sea, and more.

**Multisports & Cooperative Games:** Campers will be introduced to a variety of organized sports. Campers will learn proper techniques and participate in team-building exercises that promote confidence and sportsmanship. During outdoor games, campers will enjoy games that foster teamwork, communication, creative thinking, and problem-solving. Each week campers will be introduced to a new organized sport. Sports include: soccer, baseball, football, and mini-golf.

**Intro to Rocketry:** Campers will take to the skies with their very own rockets! With instructor supervision, campers will build, personalize and launch their rockets into orbit.

**Escape Room/Weekly Scavenger Hunt:** What better way to implement the classroom experience by creating their own Escape Room and Scavenger Hunt! Campers put their teamwork skills to the test when they take on tasks to escape the room. With guidance from the instructors, campers will work together to solve specific activities in a timed setting.

### **STEM of the Day:**

Kitchen Science Experiments - Campers will learn about different matter, chemical reactions and engineering using everyday items found around the kitchen or house. Some of the activities include volcanoes, homemade bubbles, mentos & coke, lava lamps, slime, sink and float, growing herbs, etc.

Mini 4WD building - Campers will have the opportunity to build their own Mini 4WD car which is a very popular class at Discover Camp.

DC Building - Campers will build their own rockets, personalize them and launch them into the stratosphere.

**Language, Culture, & Cooking:** Campers will be introduced to languages such as Italian, Spanish, Chinese, and French as well as different cultures through cooking. Campers will have the opportunity to experiment with ingredients and recipes, learn how to measure, and to make predictions using their five senses. Each camper will end the summer with their very own personalized language and recipe book. Campers will also receive a passport at the beginning of the summer and we will “travel” to different countries and continents throughout the summer and explore the geography, architecture, language, and culture of these places.

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

Time	Monday	Tuesday	Wednesday	Thursday	Friday
9:00-9:20	Morning “Do Now” Activity	Morning “Do Now” Activity	Morning “Do Now” Activity	Morning “Do Now” Activity	Morning “Do Now” Activity
9:20-10:15	Sport of the Week	Yoga and Cooperative Games	Sport of the Week	Yoga and Cooperative Games	Sport of the Week
10:15-10:30	AM Snack	AM Snack	AM Snack	AM Snack	AM Snack
10:30-11:30	STEM Lesson and Experiment	Language, Culture, and Cooking Lesson	STEM Lesson and Experiment	Language, Culture, and Cooking Lesson	STEM Lesson and Experiment
11:30-12:30	Recess/Lunch	Recess/Lunch	Recess/Lunch	Recess/Lunch	Recess/Lunch
12:30-1:15	Read Aloud & Craft	Artist Exploration	Read Aloud & Craft	Artist Exploration	Read Aloud & Craft
1:15-2:00	Building Mini 4W Drive Cars	Rocket Building	Building Mini 4W Drive Cars	Airplane Building and Flying	Building Mini 4W Drive Cars
2:00-2:15	PM Snack	PM Snack	PM Snack	PM Snack	PM Snack
2:15-3:00	Rube Goldberg Machines	Escape Room	Continue Building/ Start Testing Rube Goldberg Machine	Build your own LEGO World	Weekly Scavenger Hunt
3:00-3:30	Clean Up Time/ Day Reflection/ Coloring	Clean Up Time/ Day Reflection/ Coloring	Clean Up Time/ Day Reflection/ Coloring	Clean Up Time/ Day Reflection/ Coloring	Clean Up Time/ Day Reflection/ Coloring
3:30-3:50	Camper Pickup	Camper Pickup	Camper Pickup	Camper Pickup	Camper Pickup



**DC Juniors 2  
Camper Orientation  
June 26th at 10 a.m.**

**003-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.



- Rube Goldberg Machines

**Session:** I  
**Period:** 2  
**Session:** II  
**Period:** 2  
**Grades:** 2+  
**Material fees:** \$60  
**Instructors:** Session I: Daniel Brodsky, Elementary Teacher at Fox Meadow, Scarsdale  
 Session II: Edward Amato, Technology Education Teacher at Somers H.S.

**\*New 004-Arcade Builders**

Inspired by the emotional story of a young boy from Los Angeles who created his own arcade from boxes in his father’s shop. This class, modeled after “Caine’s Arcade,” will use recycled materials to create arcade style games. Caine’s Arcade is making carnival style “arcade games” out of recyclable materials, cardboard boxes, tubes, old spools of tape, cereal boxes, ping pong balls, track, wire etc. The goal is to think of a new way to use old materials and to make a game that can be enjoyed by all ages. “Toilet Paper Toss,” “Whack-a-Mole,” “Skee-ball,” “Ring Toss,” among others are inspirations.

**Session:** I  
**Period:** 1  
**Grades:** 3+  
**Material fees:** \$60  
**Instructors:** Session I: Daniel Brodsky, Elementary Teacher at Fox Meadow, Scarsdale

**\*New 005-ESCAPE DC**

Escape DC brings immersive gaming into the classroom in a revolutionary way. Each game requires critical thinking, collaboration, creativity and communication. Each game is based around an escape box. During a game, players need to navigate a series of mysteries and solve engaging problems. Games feature physical and online puzzles. Escape DC captures the thrill of the escape room phenomenon in our own unique way.

**Session:** I & II  
**Periods:** 1 or 4  
**Grades:** 3 - 6  
**Material fees:** \$60  
**Instructors:** Period 1: Connor Cohn, Economics Teacher at Dobbs Ferry H.S.  
 Period 4: Edward Amato, Technology Education Teacher at Somers H.S.

**\*New 006-DC Woodcrafting and Modeling**

If you enjoy spending time thinking, brainstorming, creating, and working with your hands, this is the course for you. DC woodcrafting and modeling will provide campers with an opportunity to use basic yet essential woodworking tools to construct functional wooden models, prototypes, sculptures, and inventions. Campers will assemble a variety of wood modeling kits, create hydraulic powered machines, architectural models, vehicles, and other prototypes as potential solutions to real world problems. Campers will design, build, paint, experiment, and learn using a systematic approach to problem solving known as the “Design Process.”

**Session:** I  
**Period:** 2  
**Grades:** 4+  
**Material fees:** \$200  
**Instructor:** Edward Amato, Technology Education Teacher at Somers H.S.





# ESCAPE ROOM

# DC





## **007-Introduction to Rocketry- Earn Your Launching License**

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

**Session:** I & II

**Periods:** 1 or 3

**Grades:** 3+

**Material fees:** \$95

**Instructor:** Jim Fernhoff,  
Social Studies and Special  
Education Teacher at New  
Hyde Park H.S.

## **008-Advanced Rocketry I- Taking Rocketry to Higher Levels**

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

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

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

**Session:** I & II

**Period:** 2

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

**Material fees:** \$120

**Instructor:** Jim Fernhoff,  
Social Studies and Special  
Education Teacher at New  
Hyde Park H.S.







**009-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 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 & II

**Period:** 2

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

**Material fees:** \$125

**Instructor:** Jim Fernhoff, Social Studies and Special Education Teacher at New Hyde Park H.S.

**010-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 & II

**Period:** 4

**Grades:** 4+

**Session I Material fees:** \$125

**Session II Material fees:** \$100

**Instructor:** Jim Fernhoff, Social Studies and Special Education Teacher at New Hyde Park H.S.





## **011-Model Airplane Building**

Enter the world of the Wright Brothers! Wilbur and Orville used free-flight gliders and models to learn the basic principles of flight. In this hands-on class you will do the same by building and flying gliders and rubber band powered aircraft to maximize flight time and height. Use your new skills to explore the basic principles of flight. 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 a new knowledge of flight principles are used to improve the flight characteristics of an aircraft.

**Session:** I **Period:** 3

**Session:** II **Period:** 1

**Grades:** 3+

**Material fees:** \$200

**Instructor:** Edward Amato, Technology Education Teacher at Somers H.S.

## **012-Indoor FPV (First Person View) Drone Racing**

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

**Session:** I & II

**Periods:** 1 or 3

**Grades:** 5+

**Material fees:** \$350

**Instructor:** Vinny Garrison, Technology Teacher at Nanuet M.S. and Professional Drone Ariel Photographer

## **\*New 013-Flying Wing Racing**

This is an introductory class where you will be learning how to fly flying wings (small airplanes) using FPV (First Person View Goggles.) We will be flying something called a flying wing. A flying wing is shaped similar to the B-2 stealth bomber. It will have a camera which allows you to fly it using goggles. We will be setting up a series of race courses in the big field once our flying skills are sharp enough.

Another important aspect of flying wing racing is making repairs after you crash (there will be crashes!) The material fee covers the wing, goggles, remote, batteries, battery charger, and some replacement parts.

**THE MATERIAL FEE DOES NOT COVER REPLACEMENT WINGS IF THEY ARE LOST OR BROKEN.**

**Session:** I

**Period:** 4

**Grades:** 5+

**Material fees:** \$400

**Instructor:** Vinny Garrison, Technology Education Teacher at Nanuet M.S. New goggles are \$100 if needed. The material fees do not cover lost drones

## **014-Outdoor FPV (First Person View) Drone Racing**

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

**Session:** I & II

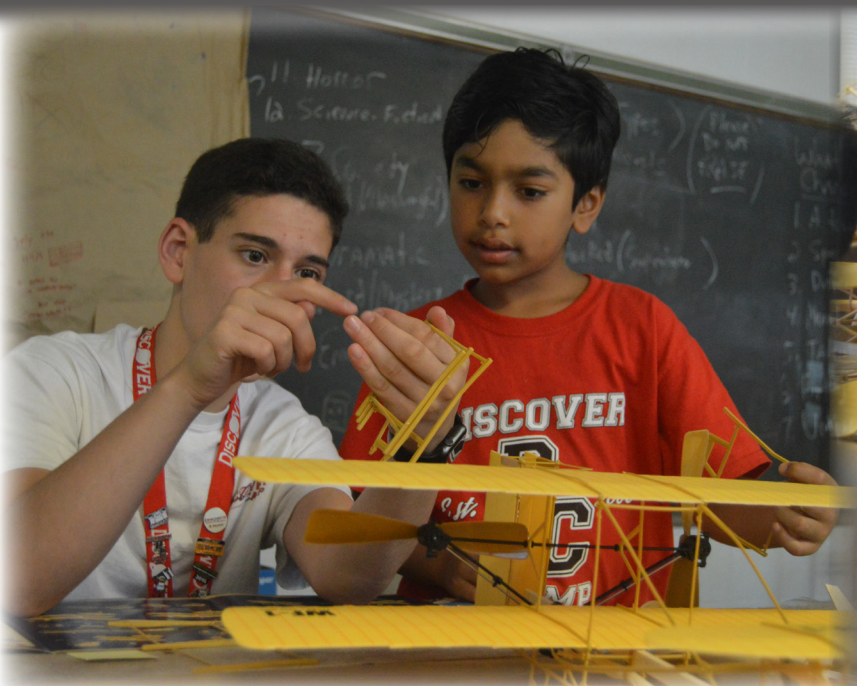
**Period:** 2

**Grades:** 6+

**Material fees:** \$350

**Instructor:** Vinny Garrison, Technology Education Teacher at Nanuet M.S. Prerequisites: Must have taken Indoor FPV







## **015-Multi-level Chess**

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

Topics include:

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

**Session:** I & II

**Periods:** 2 or 3

**Grades:** 2+

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

**Material fees:** \$0

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

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

## **016-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 & II

**Period:** 2

**Grades:** 3+

**Material fees:** \$60

**Instructor:** Bob Sinnott, Elementary School Teacher at The Windward School





### **017-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 & II

**Period:** 2

**Grades:** 3+

**Material fees:** \$60

**Instructor:** Bob Sinnott,  
Elementary School Teacher at  
The Windward School

### **018-Dungeons and Dragons Level I**

Dungeons and Dragons 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 & II

**Period:** 3

**Grades:** 3+

**Material fees:** \$60

**Instructor:** Bob Sinnott,  
Elementary School Teacher at  
The Windward School

### **019-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

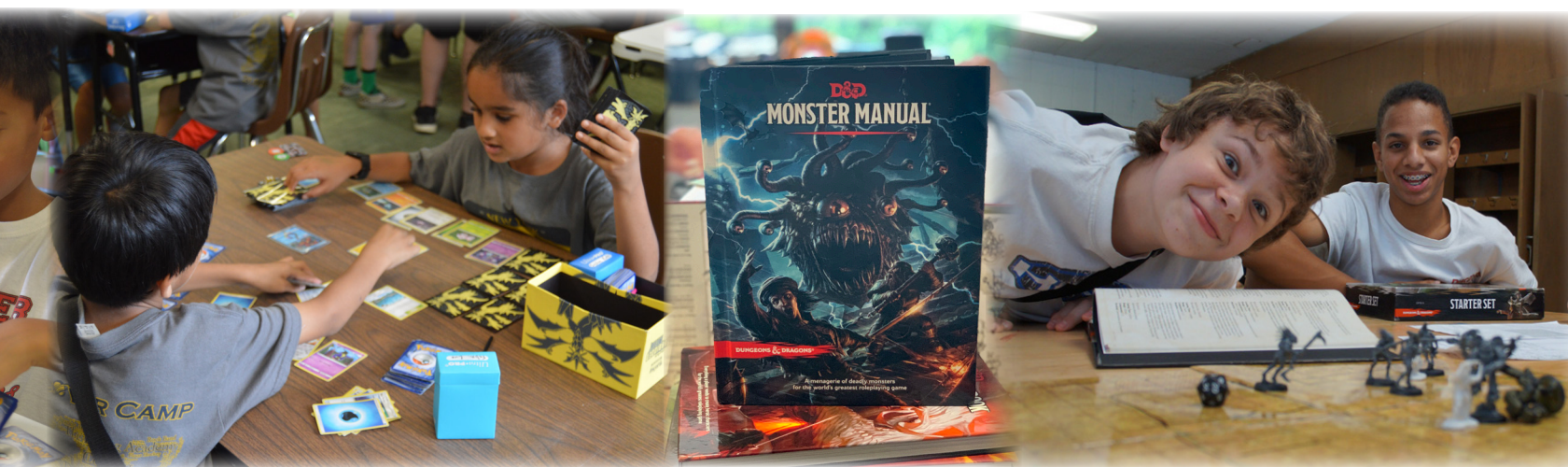
**Session:** I & II

**Period:** 3

**Grades:** 4+

**Material fees:** \$60

**Instructor:** Bob Sinnott,  
Elementary School Teacher at  
The Windward School



# DISCOVER CAMP

## **020-Magic: The Gathering and Strategic Table Games**

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

**Session:** I & II

**Period:** 4

**Grades:** 4+

**Material fees:** \$60

**Instructor:** Bob Sinnott,  
Elementary School Teacher at  
The Windward School

## **021-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 welcome!

**Session:** I & II

**Period:** 1

**Grades:** 3+

**Material fees:** \$95

**Instructor:** Bob Sinnott,  
Elementary School Teacher at  
The Windward School

## **022-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.

\*Prerequisite Warhammer Level I

**Session:** I & II

**Period:** 1

**Grades:** 3+

**Material fees:** \$30

**Instructor:** Bob Sinnott,  
Elementary School Teacher at  
The Windward School





**\*New 023-Warhammer Blood Bowl - Gross Name, Awesome Game**

Warhammer Blood Bowl is a strategy, rugby styled board game set in the Warhammer universe where you become the coach of an up and coming team! Use your own strategy, tactics, and your team's abilities to bring your team to the top of the league rankings! Campers customize their own team (colors, gluing, etc.), and can keep the team after camp ends. Beginners and advanced campers welcome!



How to play Warhammer Blood Bowl →

**Session:** I & II

**Period:** 3

**Grades:** 3+

**Material fees:** \$90

**Instructor:** Daniel Clark  
Physics/Engineering Teacher  
- Westlake High School

**\*New 024-Strategic Board Games**

Plan your next move in this class by playing a variety of strategic games. You and your fellow classmates will play a combination of old games as well as new, comprehensive games, to test your board game playing ability! Examples of games played in this class will be *Risk*, *Settlers of Catan*, *Splendor*, *Machi Koro*, *Hero Quest*, *Scythe*, and other favorites! No prior experience with any game will be necessary. Come on by if you are interested in anything and everything related to strategy.

**Session:** I & II

**Period:** 1

**Grades:** 3+

**Material fees:** \$80

**Instructor:** Daniel Clark  
Physics/Engineering Teacher  
- Westlake High School





**\*New 025-Introduction to Astronomy**

Ever look up into the sky, fascinated by the stars? In this class students will learn about different areas of astronomy, from objects we can see in the night sky to outside the bounds of our solar system! Students will create various artifacts to use for their astronomical study at camp, as well as use electronic programs to track star movements that they can also use at home. Apps for smartphones/iPads will be used as well, and while not a requirement for the course, will help with class activities. This class is going to be “out of this world”!

**Session:** I & II

**Period:** 2

**Grades:** 3+

**Material fees:** \$90

**Instructor:** Daniel Clark  
Physics/Engineering Teacher  
- Westlake High School

**\*New 026-Scratch Coding 3.0**

New to programming, but want to create something cool? Scratch 3.0 is a block-based programming language developed by the MIT Media Labs. With this program, students can code games, animations, music, art and much more. As students create and share objects, they will practice thinking creatively and learn to reason systematically and work collaboratively. Students will also learn about circuitry when they experiment with MaKeyMaKey, an 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 beginner programming language that is not only fun, but a bridge to later coding such as Arduino and Java.

**Session:** I

**Period:** 1 **Grades:** 4 & 5

**Period:** 3 **Grades:** 2 & 3

**Technology fee:** \$25

**Instructors:** Carole Del  
Juidice, Instructional  
Technology Specialist  
at Bronxville Schools  
& Kimberly Persaud,  
Instructional Technology  
Specialist at Rye Schools.

**027- Scratch Coding with Mbot Robots**

In this course, we will explore various applications of physical computing with robots. We will see our code come to life as we use Scratch coding to program mBot robots to complete fun tasks. We will sound off buzzers, create LED light shows, detect distance and much more! From obstacle courses to music, the possibilities are endless. If you're ready to see your code in real life, this is the course for you!

**Session:** I **Period:** 4

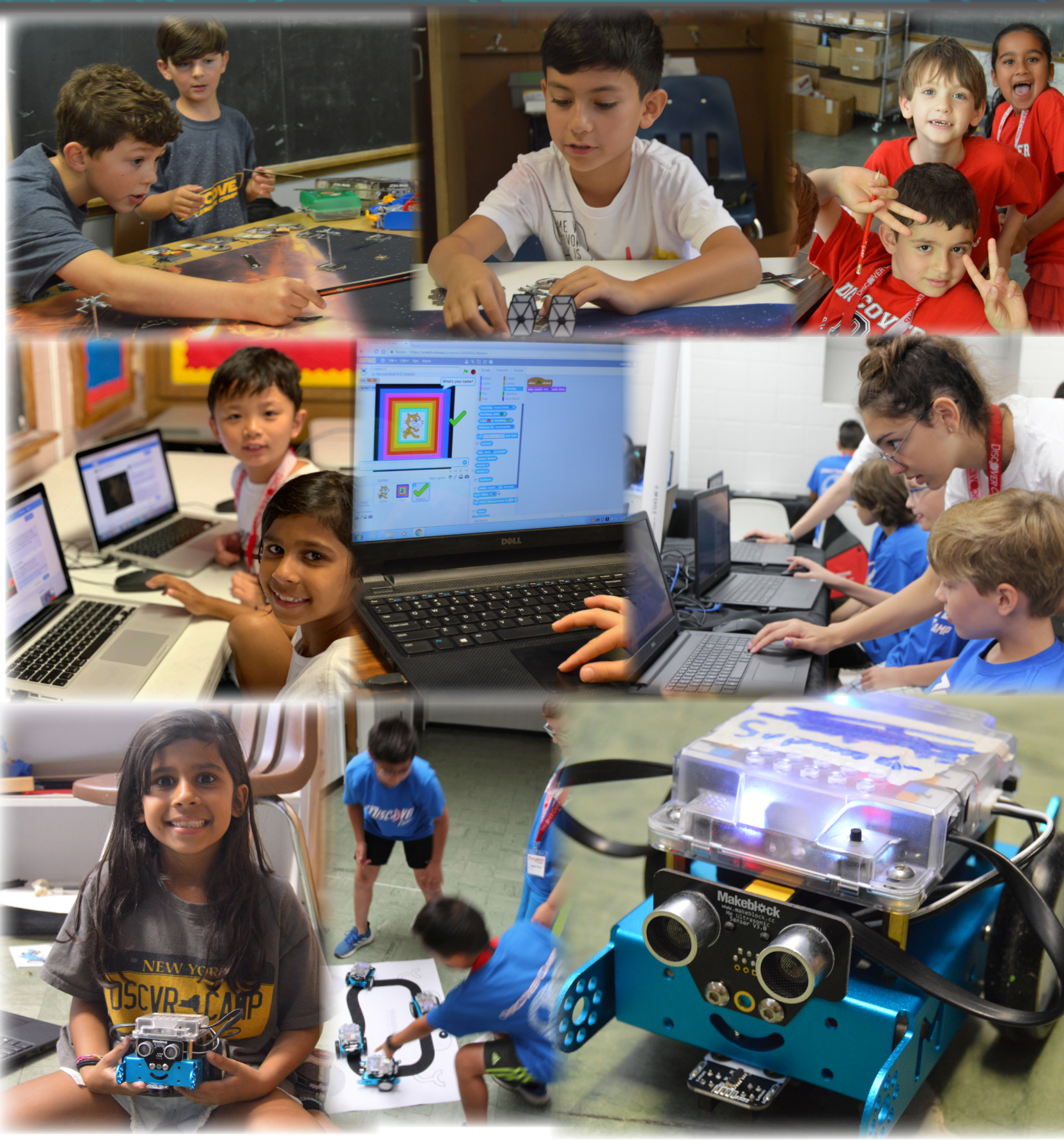
**Session:** II **Period:** 3

**Grades:** 3 +

**Material fees:** \$120

**Instructors:** Session  
I: Carole Del Juidice,  
Instructional Technology  
Specialist at Bronxville  
Schools & Kimberly Persaud,  
Instructional Technology  
Specialist at Rye Schools  
Session II: Edward Amato,  
Technology Education  
Teacher at Somers H.S.







## **028-Game Design Using Roblox**

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

**Session:** I & II

**Periods:** 2 or 4

**Grades:** 4+

**Technology fee:** \$25

**Instructor:** Nate Steward,  
Social Studies Teacher at The  
Windward School & Gaming  
Enthusiast

## **029-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 welcome and encouraged to join this class. The game is being used to teach more than just computer skills. It easily lends itself to science, technology, engineering and math explorations.

**Session:** I & II

**Period:** 1

**Grades:** 2+

**Minecraft edu fee:** \$10

**Technology fee:** \$25

**Instructor:** Nate Steward,  
Social Studies Teacher at The  
Windward School & Gaming  
Enthusiast

## **030-Minecraft Virtual Reality**

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

**Session:** I & II

**Period:** 3

**Grades:** 4+

**Minecraft edu fee:** \$10

**Technology fee:** \$50

**Instructor:** Nate Steward,  
Social Studies Teacher at The  
Windward School & Gaming  
Enthusiast







# DISCOVER CAMP



## **\*New 031-Virtual and Augmented Reality Creators**

Virtual Reality (VR) and Augmented Reality (AR) are two of the fastest growing technology fields. This class is designed for beginners to learn how to create and experience VR and AR. Campers will learn about geometry, textures, camera angles, and block-based coding. More advanced campers will also have the option to learn about programming for VR with JavaScript. Discover Camp has Oculus headsets for the campers to use or they can also use smart phones to view their creations with a Google Cardboard. Campers will also be exposed to **Spark AR**, a great introduction to making augmented reality filters and stickers just like the ones used on Instagram and Snapchat. The only limit is your imagination!

**Session:** I & II

**Periods:** 1 or 4

**Grades:** 4+

**Material fees:** \$15

**Technology fee:** \$50

**Instructors:** DC Staff

## **032-Game Design in Virtual Reality with Unity**

The Game Design with Unity class will challenge campers to use real game development tools to create a project that they can take home, play, and share with friends. The Unity game engine is an industry favorite, powering popular games like Pokémon GO, Cuphead, and Beat Saber. We'll take a deeper look at geometry, textures, materials, and game programming. Campers will have a variety of projects to work on, from creating simple mobile apps to VR-ready games! Our final project will be to create an interactive game that we can play on the camp's Oculus Rift VR headsets. With such a powerful platform, every camper will get to flex their creative minds through their games.

**Session:** I & II

**Periods:** 2 or 3

**Grades:** 5+

**Technology fee:** \$50

**Instructors:** DC Staff

## **\*New 033-Future City Engineers + 3D Designers**

Calling all future architects, engineers, planners, and designers! Come learn about famous architecture, create 3D printed cities and community spaces, and learn what it takes to become an urban planner! Do you have ideas for an awesome park and playground for your neighborhood or would you like to design a 21st century school? We will take Tinkercad and SketchUp Software to the next level while designing future cities that tackle today's real-world problems. Campers will print their creations using the camp's 3D printers.

**Session:** II

**Period:** 4

**Grades:** 3 & 4

**Material fees:** \$75

**Technology fee:** \$25

**Instructor:** Ely Perry,  
Technology Education  
teacher at Westlake H.S.





**034-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 and today we continue to be leaders in the industry. In this course campers will begin to explore ways to design and create real 3D objects and bring them to life. Campers will be introduced to the world of 3D printing by learning how this ground breaking technology works and where it is presently being used in society. They will learn how to navigate and use websites such as Thingiverse.com and Tinkercad.com. Students will first learn to print designs that currently exist. Campers will then move on to modifying existing designs and then creating and printing their own original designs.

**Session:** I & II

**Periods:** 1 or 4

**Grades:** 4 +

**Material fees:** \$100

**Technology fee:** \$25

**Instructors:** Steve Martin,  
Technology Education  
Teacher at Nanuet H.S.

**\*New 035-3D Printing Inventors for Beginners**

Campers, prepare to become inventors, designers, and creators! We will start the session with an introduction to Tinkercad, a 3D modeling and design tool. We will scour the camp and our homes for problems that require solutions. We will present our problems to the class and brainstorm solutions. We'll apply our new Tinkercad skills to design unique solutions to the problems. We'll then use our 3D printers to prepare rapid prototypes to test the solutions in the real world. Some experience with 3D printing or 3D design would be helpful.

**Session:** II

**Period:** 2

**Grades:** 3+

**Material fees:** \$100

**Technology fee:** \$25

**Instructor:** Ely Perry,  
Technology Education  
Teacher at Westlake H.S.

**036-3D Printing Designers (Intermediate)**

Campers will take 3D design to the next level in this class. 3D printing designers is designed to challenge campers with weekly themes.

The weekly themes are:

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

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

**Session:** I & II

**Period:** 3

**Grades:** 4 +

**Material fees:** \$100

**Technology fee:** \$25

**Instructor:** Steve Martin,  
Technology Education  
Teacher at Nanuet H.S.

**Prerequisite:** any prior 3D  
printing course

**\*New 037-Shark Tank! Rapid Prototyping Using 3D Printing**

Campers, prepare to become inventors, designers, and creators! We will start the session with a brief review of Tinkercad, a 3D modeling and design tool. We will scour the camp and our homes for problems that require solutions or invent something completely new. We will present our problems to the class and brainstorm solutions. We'll work in small teams or individually designing, printing, testing, and tweaking our inventions. We'll then use our 3D printers to prepare rapid prototypes to test and prove our inventions in the real world. Finally, we'll present our inventions to a panel of "investors" to see if our designs are ready for market.

Students should be comfortable with 3D printing or 3D design.

**Session:** II

**Period:** 3

**Grades:** 4+

**Material fees:** \$100

**Technology fee:** \$25

**Instructor:** Ely Perry,  
Technology Education  
Teacher at Westlake H.S.

**Prerequisite:** 3D printing

course

**\*New 038-Functional 3D Printing with Onshape**

Are you a designer? Tinkerer? Artist? Or someone who is looking to learn and play while creating your own models for 3D printing? Who says functional 3D printing cannot be the same as printing for fun!? The real magic in 3D printing happens when you are able to create your own designs! In this course campers will learn to design their own models and functional prototypes for 3D printing using Onshape, a very powerful and free software for 3D design. Campers will quickly learn how to use Onshape to design numerous functional products that can be 3D printed. Each week, campers will build on their prior skills to introduce new design concepts and best practices when designing for desktop 3D printers. By the end of the session, campers will have the skills and confidence to create their own designs and be able to turn their ideas into remarkable physical objects.

**Session:** I

**Period:** 1

**Grades:** 3 +

**Material fees:** \$120

**Instructor:** Edward Amato,  
Technology Education  
Teacher at Somers H.S.

**039-Autodesk Inventor**

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

**Session:** I & II

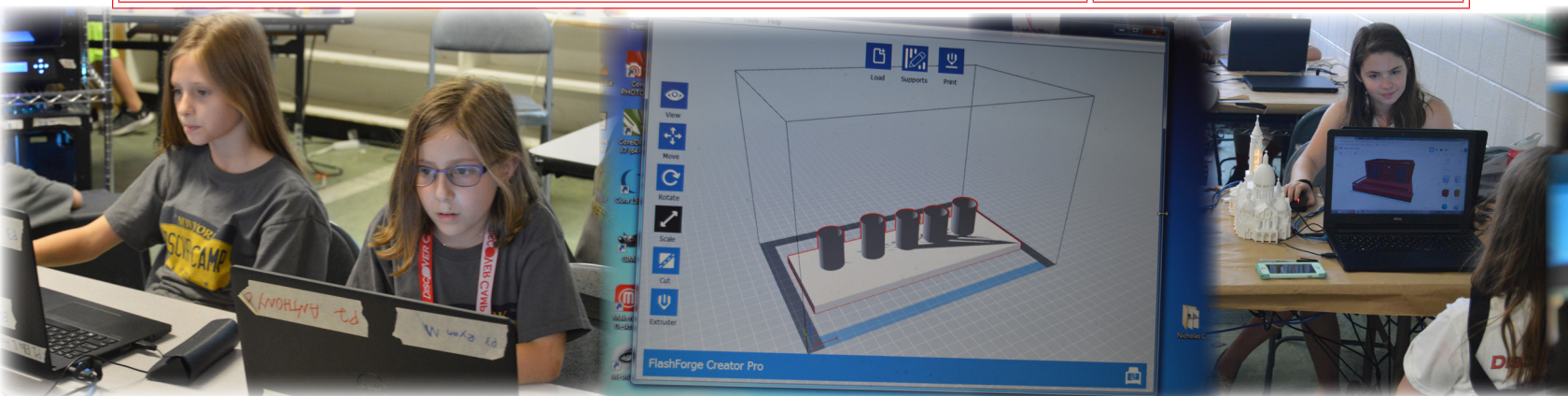
**Period:** 2

**Grades:** 5 +

**Material fees:** \$100

**Technology fee:** \$25

**Instructor:** Steve Martin,  
Technology Education  
Teacher at Nanuet H.S.





**\*New 040-Prototyping & Engraving using Laser Etching**

Fire up the lasers! Learn basic graphic design and bring your ideas to life with the power of a laser cutter and engraver in the classroom. We'll learn to create basic vector images and use those to cut acrylic or wood prototypes. We will also learn about creating and applying raster images to different materials to add personal touches to the prototypes we create. Bringing together computer skills, design thinking, and the power of a laser, this is a truly unique opportunity for fun!

**Session:** II

**Period:** 1

**Grades:** 4 +

**Material fees:** \$75

**Technology fee:** \$25

**Instructor:** Ely Perry,  
Technology Education  
Teacher at Westlake H.S.

**041-Build Your Very Own Personal Computer**

Campers will learn about the parts that make up a personal computer and then build one of their own from start to finish. Campers will become familiar with 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 and parents will choose a budget of \$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. (Monitor is not included.)

**Session:** I

**Period:** 2

**Grades:** 5 +

**Material fees:** \$750 or  
\$1000\*

**Instructor:** James Amodio,  
Physics teacher at Wappingers  
H.S.

\*Fees will be paid during the  
session once budgets are agreed  
upon



## **042-Robots, Racers, and Circuits**

Campers will learn basic circuit components and then put them together to build projects that include lights, motion, and of course robots. This class is great for beginners, and will teach basic tool use such as rulers and screwdrivers, and following detailed pictorial instructions. No soldering will be done in this introductory course.

**Session:** II

**Period:** 1

**Grades:** 2 +

**Material fees:** \$130

**Instructor:** Dan Barbuto,  
Electrical Technology  
Professor at Dutchess  
Community College

## **043-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:** 3

**Grades:** 2 +

**Material fees:** \$130

**Instructor:** Dan Barbuto,  
Electrical Technology  
Professor at Dutchess  
Community College

## **\*New 044-Vehicle Builders**

Participants will build vehicles and structures. The projects can be built and then re-built into other projects - including a 12-in-1 vehicle building kit. At least one project will include a sensor or remote control. This is a great class for beginners, and includes learning how to follow detailed pictorial instructions. No soldering will be done in this introductory course.

**Session:** II

**Period:** 4

**Grades:** 3 +

**Material fees:** \$130

**Instructor:** Dan Barbuto,  
Electrical Technology  
Professor at Dutchess  
Community College







### **045-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:** 2

**Grades:** 4 +

**Material fees:** \$95

**Instructor:** Dan Barbuto,  
Electrical Technology  
Professor at Dutchess  
Community College

### **046-Elementary Electricity-The Circuit Playground**

We will explore simple circuits while making electric art, playing with simple sensors, and designing with LEDs. Campers will learn about the basic parts of a circuit and how to change the flow of electricity originating in most cases from small batteries and USB sources. Interesting materials such as conductive inks and paints will be experimented with. This class is great for creative kids as there are many ways to customize your projects--no two end up looking alike! The course will end with experience in programming an interactive light demonstration. No experience required.

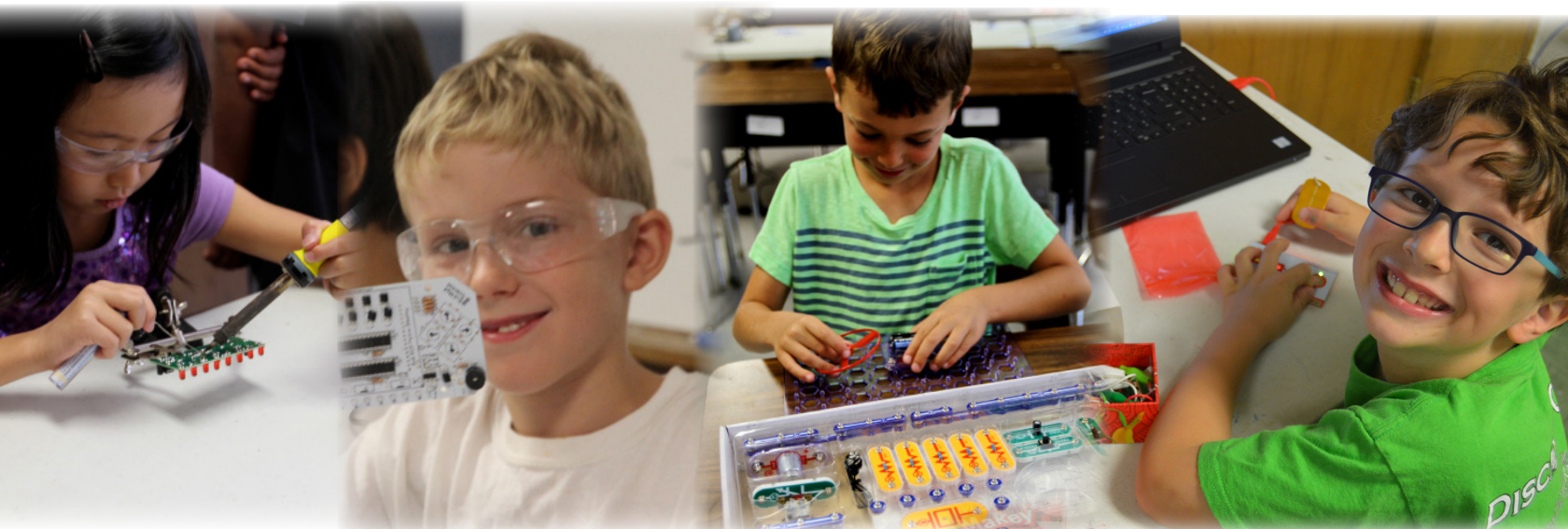
**Session:** I

**Period:** 3

**Grades:** 2-5

**Material fees:** \$170

**Instructor:** James Amodio,  
Physics teacher at Wappingers  
H.S.



## **047-Raspberry Pi Makers**

What can you do with a fully functioning computer that's the size of a deck of playing cards? Almost anything! Campers will explore the world of Raspberry Pi, a popular computer platform both for learning and for cool electronics projects. Try your hand at programming in Scratch and Python. Build amazing structures in a Minecraft world using code. Program it to control lights and sounds and to sense the world around it. Attach a camera for photos with cool filters, time-lapse videos, and more.

**Session:** I

**Period:** 4

**Grades:** 5+

**Material fees:** \$170

**Instructor:** James Amodio,  
Physics teacher at Wappingers  
H.S.

## **048-Introduction to Arduino and Coding**

This program will introduce children to Arduino, an inexpensive, open-source platform that combines electronics and text-based programming to create individual "Do It Yourself" style projects. Possible creations with this micro controller include (but are not limited to): alarm clocks, distance detectors, theremins, universal remote controls, simple robots, mini-tanks, and changing LED displays. Course fees include an Arduino board for each camper to take home. Campers will start off with basic projects and learn simple electronics and coding. Then we'll start 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. Campers keep their Arduino boards so they can continue creating.

**Session:** I

**Period:** 1

**Grades:** 3+

**Material fees:** \$140

**Instructor:** James Amodio,  
Physics teacher at Wappingers  
H.S.

## **049-All About Arduino Advanced**

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

**Session:** I

**Period:** 1

**Grades:** 5+

**Material fees:** \$275

**Instructor:** James Amodio,  
Physics teacher at Wappingers  
H.S.





### **\*New 050-Awesome LEGO Building Challenges**

Do you enjoy building with Lego? Are you searching for new ways to use the same pile of bricks? Well, look no further. During this class, we will be participating in a wide variety of builds/challenges that are great for every level of builder. Challenges include using bricks to build names/logos, buildings, small scenes and a marble maze.

Additionally, we'll take a closer look at the different pieces, talk about building techniques AND engage in some friendly competition. At the conclusion of the session, campers will have stretched their imaginations to new lengths, become more confident builders and will be addicted to all things LEGO.

**Session:** I & II

**Period:** 3

**Grades:** 2-6

**Technology fee:** \$50

**Instructor:** Matthew Scher,  
Fifth Grade Teacher at P.S.  
153 Bronx, NY

### **\*New 051-LEGO Mosaic Makers**

Ready to take your creative expression to a whole new level? Do you love using your hands and building with Lego? Welcome to Mosaic Makers. In this class, we will be transforming blank canvases into magnificent pieces of art using tiny Lego pieces. Artists will gain a better understanding of the elements and technology needed to design and build their work. In addition, we will explore a variety of pop culture ideas and then transform them into art pieces that can be displayed at home.

**Session:** I & II

**Period:** 4

**Grades:** 3 +

**Technology fee:** \$120

**Instructor:** Matthew Scher,  
Fifth Grade Teacher at P.S.  
153 Bronx, NY

### **052-LEGO® WEDO Robotics and LEGO Boost**

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

**Session:** I & II

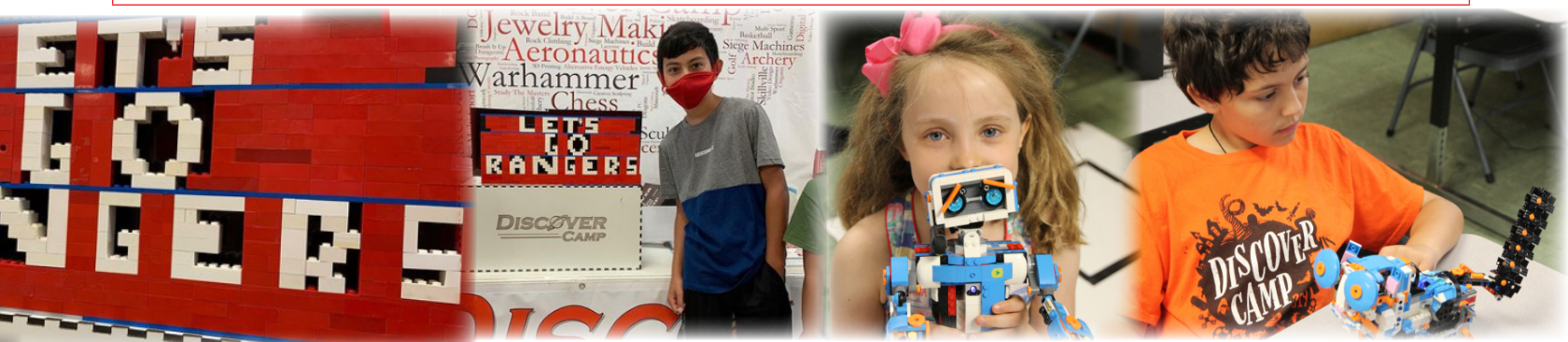
**Period:** 1

**Grades:** 2 - 4

**Material fees:** \$160

**Technology fee:** \$25

**Instructor:** Matthew Scher,  
Fifth Grade Teacher at P.S.  
153 Bronx, NY  
(Campers need to have an  
iOS or Android tablet device  
for home use of LEGO®  
Boost)



## **053-LEGO® Robotics Mindstorms EV3**

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

**Session:** I & II

**Period:** 2

**Grades:** 3 +

**Technology fee:** \$25

**Instructor:** Matthew Scher,  
Fifth Grade Teacher at P.S.  
153 Bronx, NY  
**Prerequisite:** LEGO  
Mindstorms

## **054-LEGO® Mindstorms EV3 Advanced**

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

**Session:** I & II

**Period:** 2

**Grades:** 4+

**Technology fee:** \$25

**Instructor:** Matthew Scher,  
Fifth Grade Teacher at P.S.  
153 Bronx, NY

## **\*New 055-Beat Making/Digital Music Lab**

Learn how to create beats and songs at your fingertips! Using Soundtrap campers will learn the fundamentals of music production, how to create their own music, the basics of recording and editing their own tracks. Soundtrap is a cloud based software that allows students to make music together online. Using a MIDI USB Keyboard/Launchpad, students can input digital instruments into the program with ease. No musical experience required. Students will keep the MIDI USB Keyboard/Launchpad.

**Session:** II

**Period:** 4

**Grades:** 4+

**Material fee:** \$100

**Instructor:** Jillian Kaplan  
K-5 Music Teacher Mt.  
Pleasant Schools

## **\*New 056-Build A Ukulele**

Campers will design, create, customize, assemble and learn to play their very own ukulele! In the following weeks, students will learn how to play, read chord tabs, and compose their own songs using their ukuleles! Students will have a performance on their custom instruments, either live or virtually! No musical experience required.

**Session:** II

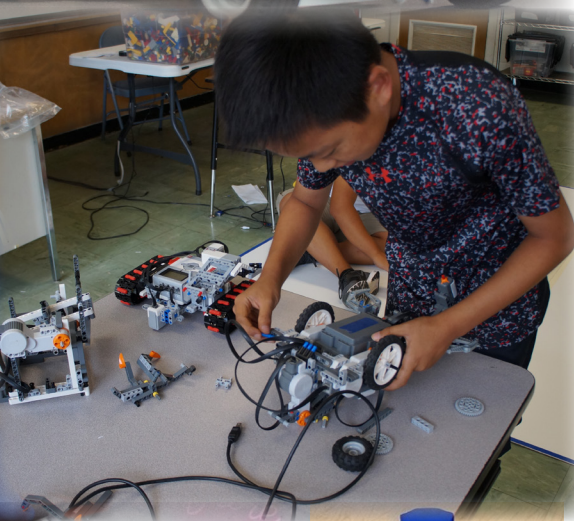
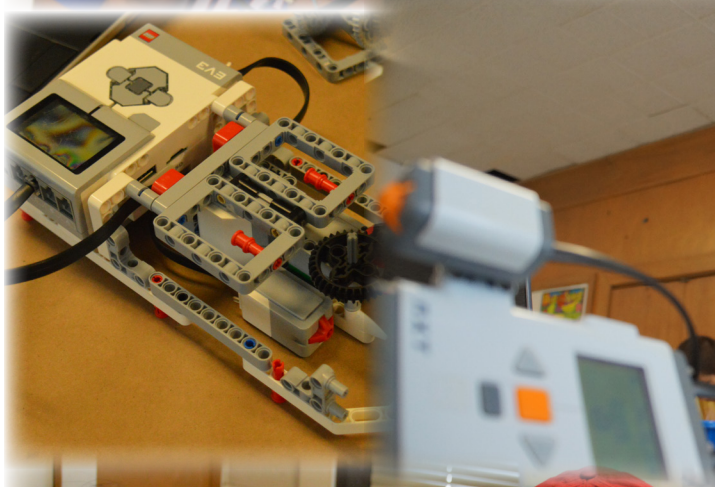
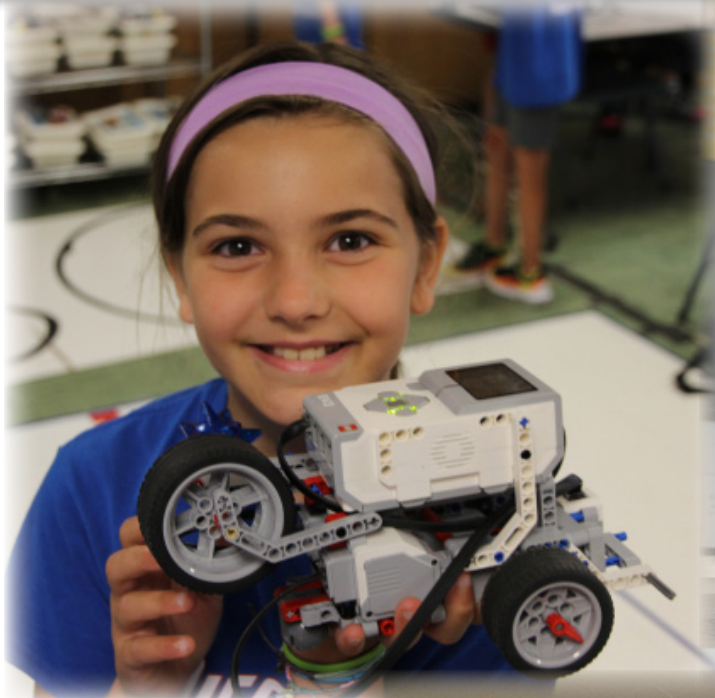
**Period:** 2

**Grades:** 3+

**Material fee:** \$50

**Instructor:** Jillian Kaplan  
K-5 Music Teacher Mt.  
Pleasant Schools







**\*New 057-DC Digital Music Makers**

No instrument, no problem! Campers will learn to create and play their own music using a variety of apps, software and materials. Using found materials, campers will be able to create their own instruments out of anything! We will use MakeyMakeys to design new instruments and Scratch, a beginner coding software, to program them. We will also learn to use the basics of creating music digitally with Incredibox, Chrome Music Lab, Soundtrap and more. No musical experience required.

**Session:** II

**Period:** 3

**Grades:** 3+

**Material fee:** \$60

**Instructor:** Jillian Kaplan  
K-5 Music Teacher Mt. Pleasant Schools

**058-Filmmaking**

In this class, campers will write, direct, act, and edit their own short films using a variety of camera equipment and editing software. Students will work together collaboratively under the guidance of instructors who are well versed in the craft. This class is suited for both students with no experience up to those who have made short films before. Campers will learn script writing, acting, filming, editing, special effects and green screening through out the session.

**Session:** I & II

**Periods:** 1 or 2

**Grades:** 3+

**Technology fee:** \$50

**Instructors:** Michael Williams, actor and star from the original Blair Witch Project and Scarsdale Middle School Guidance Counselor.

**059-Stop Motion Animation**

In stop motion animation, campers bring their LEGO, clay, chalk drawing, Star Wars, Minecraft figures and much more to life as they explore the world of stop motion animation. Stop motion animation allows the photographer to tell a story. This style of photography makes a physically manipulated object appear to move on its own. In stop motion, campers will have the opportunity to make their own movies and also recreate scenes from their favorite movies like "Star Wars." Campers will experience the basics of stop motion animation using digital cameras, iPads, and their imaginations to bring their ideas to life.

**Session:** I

**Period:** 2

**Grades:** 4 +

**Material fees:** \$25

**Technology fee:** \$25

**Instructors:** Session I: Carole Del Giudice, Instructional Technology Specialist at Bronxville School & Kimberly Persaud, Instructional Technology Specialist at Rye School







**\*New 060-Comedy Improvisation**

In this fast paced, fun, think on your feet class, students will learn how to create characters and relationships out of thin air. Based on the famed Chicago Second City style of improv, this class will be a blast for all students. We will utilize theatrical and team building games to build students' performance skills and give the group an improv "troupe" mentality. Campers will improve on their listening and concentration skills, body language, communication skills and thinking on their feet.

**Session:** I & II

**Period:** 3

**Grades:** 4+

**Technology fee:** \$50

**Instructor:** Michael Williams, actor and star from the original Blair Witch Project and Scarsdale Middle School Guidance Counselor.

**061-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, while emulating the authors' and artists' styles.

**Session:** I & II

**Period:** 4

**Grades:** 2+

**Material fees:** \$50

**Instructor:** Adam Benveniste, English Teacher at Eastchester H.S.

**062-Chopped Junior**

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

**Session:** II

**Period:** 3 **Grades:** 4+

**Period:** 4 **Grades:** 2-3

**Material fees:** \$85

**Instructor:** Brianna Iannone, Spanish Teacher at Westlake M.S.

**063-DC Amazing Miniatures**

Experience the excitement of building your very own miniature world. From simple to more advanced constructions, use your imagination to bring your amazing ideas to life. Work with wood, clay, paint, stone, moss, rocks, or anything you can imagine. Some of the amazing worlds or themes you can build this summer are:

Big fish campground. This special project features a tent, pond with REAL water effects, fish, fishing pole, a cool tire swing, campfire, forest animals and more! Other themes include, Tree houses, movie theaters, haunted graveyards, carnivals, water parks, magical forests, Star Wars, Harry Potter, mermaid island or even better use your imagination to bring your favorite book or movie to life!

**Session:** II

**Period:** 1

**Grades:** 3+

**Material fees:** \$85

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







# DISCOVER CAMP





### **064-Jewelry Making and More!**

From sparkling bright colored beads to real Austrian crystals, campers will be inspired by discovering the wonders of jewelry making and design. If you love chokers, bracelets, earrings and rings then you'll love this class. Experience the fun of working with tools of the trade as well as gaining new skills to create your one of a kind works of art. There is so much you can learn by creating jewelry, including improved fine motor skills, visual perception and cognitive skills just to name a few. We offer dozens of projects for campers, many of which are brand new to jewelry making and tons more for campers returning to our class. As part of our jewelry making program, campers will have an opportunity to create room décor such as pillows, wall art, mirrors, journals, keepsake boxes, crystal sun catchers, decorative picture frames, candy charms, miniature clay treats and more.

**Session: I Period: 1**

**Session: II Period: 4**

**Grades: 2+**

**Material fees: \$75**

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

### **\*New 065-Wonders of Ocean Art**

Do you love the beach? Coming this summer for 2021, we will explore everything you love about the ocean. Campers will have fun creating seashell lamps, cool beaches in bottles, ombre seashell chokers, giant clamshell mirrors, sand art canvases, sea glass room decor, ocean blue drip paint wall art, REAL tropical island miniatures, glow in the dark tiny aquariums, ocean themed sun catchers, mermaid art and so much more! One of my favorite things about the ocean is its sea life. Let's bring your art to life with animals such as starfish, dolphins, seals, tropical fish, cute hermit crabs, sea turtles, glowing jellyfish, sea horses and more!

**Session: II**

**Period: 2**

**Grades: 2+**

**Material fees: \$85**

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

### **066-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 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 outside the box.

Some projects coming this summer are:

Sea glass candle holders, splatter paint mirrors, stained glass wall art, candy jars, keepsake boxes, tech accessory organizers, tie dye t-shirts, lava lamps, locker accessories, flip flop decorating, splatter paint wallets and so much more!

**Session: I**

**Period: 2**

**Grades: 3+**

**Material fees: \$85**

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

## **\*New 067-Amazing Dollhouse Design**

Welcome to Amazing Dollhouse Design! Create and design your very own dollhouse Miniature. Have fun learning how to create a doll house diorama. In this class students will create an “open” floor plan with a focus on design and creativity. No need to build a complicated structure as this is as simple as it gets. In this class, our goal is to develop a sense of color, creative style and learn how to build miniature furniture and accessories. All you need is your imagination. This is a perfect class for campers who love the challenge of creating miniature items. Campers will work with paint, wood, clay, colorful fabrics, trims and more.

**Session:** I

**Period:** 4

**Grades:** 2+

**Material fees:** \$95

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

## **068-Glow Art**

Do you love things that GLOW in the dark?

Bio-luminescent objects and animals that glow in the dark have long captivated our imaginations. The word glow evokes images of magical potions, fireflies, glowing jelly fish and amazing mystical and magical worlds.

In this class, we use our imaginations to create everything from magical potions to firefly glow jars! If you love to experiment & create...then you'll love this class! Students will learn fun techniques to create their unique works of art. All you need to bring is your imagination!

Various mediums include UV reactive luminescent paint, clay, canvas, organic materials, wood & more!

Check out some the projects coming this summer...glow in the dark aquariums, firefly glow jars, glow in the dark squishies, jelly fish tanks, lava lamps, magical potions, fairy glow lanterns and create your own miniature mystical “glow” world!

**Session:** II

**Period:** 3

**Grades:** 2+

**Material fees:** \$80

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







**\*New 069-BE A CREATOR!**

Hey everyone. Let's get creative. This is the place where kids meet creativity. Experience what it means to be a creator. This is the perfect class for kids who love to use their imagination. Learn all the inside tips, tricks and create cool DIY projects. Experiment using abstract art techniques such as marble painting, drip painting, splatter painting, sponge painting and more. Develop skills you never thought you had. Ever wonder what it's like to create super cool projects as seen on YouTube? Well here is your chance. Even better, you can invent your own. In this class students have an opportunity to invent, experiment and learn through hands-on fun. Let us check out some of the projects you'll be creating this summer. Snow globe rings, glitter hologram wall art, bake shop miniatures, under the sea jars, shadow glow lanterns, starry night room decor, magic potions, lava lamp jars, ombre clamshells ocean discovery, marble art room decor, tie dye accessories, amazing live terrariums turned into wearable art.

**Session:** 1  
**Period:** 3  
**Grades:** 2+  
**Material fees:** \$85  
**Instructor:** Nicole Alloy is a professional jewelry instructor with a degree in Jewelry Design from Fashion Institute of Technology.

**\*New 070-Study The Masters in Art**

Campers will get the chance to learn about many famous artists and recreate the most popular pieces of art that they have painted. As we dive into history, we will learn about Pablo Picasso, Vincent Van Gogh, Leonardo da Vinci and many more artists. We will also shine a light on the "underground" artists and discover more modern day art, such as pop art and even street art. Have you ever been walking around the city and glance upon a mural or a graffitied wall and were in awe? There are so many artists around the world with immense talent and we will help you to become the next one!

**Session:** 1  
**Period:** 1  
**Grades:** 4+  
**Material fees:** \$100  
**Instructors:** Olivia Rich and Julia Perricelli young artists who have been attending Discover Camp for over 10 years and who have worked for here for the past 2 years

**\*New 071-Exploring The World Through Art**

Have you ever wanted to travel around the world? In this class, we will bring many countries to the classroom! From Italy to Australia to Africa, the cultures are breathtaking. We will be traveling to all seven continents and learning about what makes each unique. We will explore the arts, traditions and fully dive into their culture. Each student will design their own passport, journal what they have learned, and create projects representing each place we visited.

**Session:** 1  
**Period:** 2  
**Grades:** 3-6  
**Material fees:** \$100  
**Instructors:** Olivia Rich and Julia Perricelli young artists who have been attending Discover Camp for over 10 years and who have worked for here for the past 2 years



**\*New 072-Art Without Boundaries**

Are you a young artist tired of using the same materials all the time? Well you're in the right place! In this class, campers will be pushed out of their comfort zones to explore different techniques. We will be working with charcoal, paint, chalk, oil pastels, clay and many more mixed mediums. Students will create multiple projects that will get them comfortable using each medium. Some of the projects we will complete include: Still life projects, working with different perspectives, exploring the sketchbook and tie dye.

**Session:** I

**Period:** 3

**Grades:** 4+

**Material fees:** \$100

**Instructors:** Olivia Rich and Julia Perricelli young artists who have been attending Discover Camp for over 10 years and who have worked for here for the past 2 years

**\*New 073-Recycled Art + Science**

Have you ever seen videos or pictures of 3D Art made out of used cans or juice boxes? Well here is where you can make your own masterpieces. Students will be given the challenge of using recycled goods and making them into one of a kind art pieces. Campers will be given the opportunity to work with used cans, bottle caps, paper towel rolls, cardboard and much more. Campers will also learn about the importance of recycling and ways to help the environment.

Have you ever wanted to make your own volcano or put Mentos into soda and watch it explode but your mom told you it would be too messy? Well in this class, we encourage messes! The messier, the better in our opinion. Campers will be able to learn about the world of science while applying it to fun projects that they will be able to create themselves. We will be bringing the science fair magic to the Discover Camp classroom where campers will be able to go outside of their comfort zones and get their hands dirty.

**Session:** I

**Period:** 4

**Grades:** 3-6

**Material fees:** \$100

**Instructors:** Olivia Rich and Julia Perricelli young artists who have been attending Discover Camp for over 10 years and who have worked for here for the past 2 years

**\*New 074-Paint, Paint, Paint**

In this class its all about the LOVE of painting! We will paint like the masters and learn different paint styles and techniques in watercolor and acrylic. Projects include painting en plein air (outside) with easels to create sparkling landscapes, and adding modeling paste to still life flowers to create dimensional flowers and texture. We will be using both canvas and paper along with some unconventional painting surfaces such as wood and other objects from nature. Projects will include camper interest topics along with art history.

**Session:** II

**Period:** 3

**Grades:** 2+

**Material fees:** \$85

**Instructor:** Gina D'Orazio Elementary Art Teacher at The Anne Hutchinson School, Eastchester





**\*New 075-Art Exploration**

Each week we will work on something different-exploring different materials and techniques. Part Art , Part Craft ...you will get to experience a multitude of different projects. You will design your own venetian mask from air dry clay, then paint, detail and decorate with crystals and ribbons-even connect it to stick! We will also look at animal masks from around the globe to create your own animal face mask! Learn to role play or even create a performance with your mask. Next we will be we exploring collage. Looking at famous collage artists we will be inspired by the work of Matisse, Picasso and others. We will focus on textures, layering and shape to create unique masterpieces. We will round out by exploring basic painting techniques for water color and acrylic. Paintings will be based on campers individual interests. Campers will paint on canvas, paper and an assortment of unique items and surfaces!

**Session: II**

**Period: 4**

**Grades: 3+**

**Material fees: \$75**

**Instructor:** Gina D’Orazio  
Elementary Art Teacher  
at The Anne Hutchinson  
School, Eastchester

**\*New 076-Design Your Own Dollhouse**

Paint, design, and build furniture for your own dollhouse that you will build from a kit. Each camper will get their own unfinished house to create a dream doll house. Paint and coordinate each room and make furniture from clay. Finish your rooms with carpets, curtains and wallpaper to make your house complete! Your house can be wall mounted or left freestanding when finished.

**Session: II**

**Period: 2**

**Grades: 2+**

**Material fees: \$95**

**Instructor:** Gina D’Orazio  
Elementary Art Teacher  
at The Anne Hutchinson  
School, Eastchester

**\*New 077-Ceramics**

Who doesn’t love clay? In ceramics you will learn a variety of hand building techniques including coil, slab, trapped air and more. Projects include bowls, vases, realistic food, castles and more. Proper glazing techniques will be taught and all pieces will be fired. Both terracotta and white clay will be used.

**Session: II**

**Period: 1**

**Grades: 4+**

**Material fees: \$95**

**Instructor:** Gina D’Orazio  
Elementary Art Teacher  
at The Anne Hutchinson  
School, Eastchester



## **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 also participate in skate lessons.

## **078-Standard Board**

These boards are commonly used for tricks and ramps.

Material fee: \$115

## **079-Custom Standard Board**

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

Material fee: \$150

## **080-Cruiser**

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

Material fee: \$150

## **081-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 & II

**Period:** 3

**Grades:** 3 +

**Material fees:** Fees vary, see descriptions.

**Instructor:** DC Staff





### **082-Introduction to Skateboarding**

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

**Session:** I & II

**Periods:** 1 or 2

**Grades:** 2+

**Ramp fee:** \$10

**Instructor:** DC Staff

### **083-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 & II

**Periods:** 1 or 2

**Grades:** 2+

**Ramp fee:** \$10

**Instructor:** DC Staff





# DISCOVER CAMP

## **084-Discover Nerf Olympics**

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

**Session:** I & II

**Period:** 2 **Grades:** 3 & 4

**Period:** 3 **Grades:** 5+

**Material fees:** \$50

**Instructors:** Connor Cohn, Economics Teacher at Dobbs Ferry H.S. (Session I & II period 2)

Adam Benveniste, English Teacher & Coach at Eastchester H.S. (Session I & II period 3)

## **085-DC Basketball**

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

**Session:** I & II

**Period:** 4

**Grades:** 2+

**Material fees:** \$0

**Instructor:** Connor Cohn, Economics Teacher at Dobbs Ferry H.S.

## **086-DC Soccer**

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

**Session:** I & II

**Period:** 1 **Grades:** 4+

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

**Material fees:** \$0

**Instructor:** Carly Bulaga, Physical Education Teacher at the Weber School, GA





### **087-Yoga and Mindful Movements**

A fun and dynamic movement class designed specifically for elementary school aged children. Yoga games, stories and music bring this class to life. It is filled with yoga poses, mindfulness exercises and breath-work. Children will explore yoga philosophy and how they can take yoga “off of the mat” and incorporate it into their daily lives. Weekly class themes will include gratitude, compassion, self love, friendship, building community, and communication.

Yoga has been known to:

- Enhance spatial awareness
- Further develop the mind-body connection
- Improve Concentration
- Increase Self-Awareness
- Develop Resiliency
- Improve ability to Identify Feelings and Self-Regulate
- Strengthen Confidence and Self-Image
- Promote Calming and Stress Relief

**Session:** I

**Periods:** 1 or 2

**Grades:** 2+

**Material fees:** \$0

**Instructor:** Jen Benalt,  
Certified Yoga instructor  
LMSW, RYT-200, RCYT

### **088-Backyard Games & Multi Sports**

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. Campers will also 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 & II

**Period:** 3

**Grades:** 2+

**Material fees:** \$0

**Instructor:** Connor Cohn,  
Economics Teacher at Dobbs  
Ferry H.S.



## **089-Golf- Swing Like The Pros**

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

**Session:** I & II

**Period:** 1

**Grades:** 3+

**Session I**

**Transportation fee:** \$95

**Site fee:** \$60

**Session II**

**Transportation fee:** \$75

**Site fee:** \$45

**Instructor:** Adam

Benveniste, English Teacher  
& Coach at Eastchester H.S

## **\*New 090-FROLF (Frisbee Golf)**

Do you like hiking? Do you like throwing a frisbee? Then this is the class for you! In the sport of Frisbee Golf, participants use frisbees as golf balls and themselves as the clubs! Hone your frisbee skills or come develop them, in a fun sport that combines golf and frisbee discs. Students leave camp with their own set of disc golf frisbees (driver, midrange, and putter). Beginners welcome!

**Session:** I & II

**Period:** 4

**Grades:** 3+

**Material fees:** \$40

**Instructor:** Daniel Clark

Physics/Engineering Teacher  
- Westlake High School

## **091-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 & II

**Period:** 2

**Grades:** 4+

**Material fees:** \$20

**Instructor:** Adam

Benveniste, English Teacher  
& Coach at Eastchester H.S

## **092-Archery and Outdoor Games**

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

**Session:** I & II

**Periods:** 1, 2, 3, or 4

**Grades:** 4 +

**Material fees:** \$35

**Instructors:** Session I

periods 1 and 2 Chris  
DeGrazia, Math Teacher &  
archer

Session I period 3 & 4 &

Session II Mike DiMarco  
ENL Teacher & archer.







## **093-Indoor Rock Climbing at The Cliffs**

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

**Session:** I & II

**Periods:** 3 or 4

**Grades:** 2+

**Session I**

**Transportation fee:** \$95

**Site fee:** \$150

**Session II**

**Transportation fee:** \$75

**Site fee:** \$120

**Instructor:** The Cliffs

## **094-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 & II

**Periods:** 3 or 4

**Grades:** 2+

**Session I**

**Transportation fee:** \$95

**Site fee:** \$150

**Session II**

**Transportation fee:** \$75

**Site fee:** \$120

**Instructor:** The Cliffs

## **095-Discover Ninja Warrior**

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

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

**Session:** I & II

**Periods:** 1 or 2

**Grades:** 3+

**Session I**

**Transportation fee:** \$95

**Site fee:** \$150

**Session II**

**Transportation fee:** \$75

**Site fee:** \$120

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







## 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 schematics, 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.

### **096-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.
- Change variables to improve performance

**Session:** I & II

**Period:** 1

**Grades:** 2-3

**Material fees:** \$125

**Instructor:** JP Kaminiski





### 097-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. Changing variables is the major skill we emphasize. By changing one variable at a time, campers tune their cars to perform at a higher level. Competition takes place on a specialized track that is changed according to the ability of the group. These radio controlled cars have replacement parts that the campers learn to change. Discover Camp is the ONLY camp in the United States recognized and supported by Kyosho America to run the Mini-Z program. Campers will 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.
- Alter variables to improve performance
- Learn driving skills and racing techniques

**Session:** I & II

**Period:** 1

**Grades:** 3 + Beginners

**Material fees:** \$250

**Instructors:** Davis Taylor  
Racing Academy Teacher &  
Sponsored RC Driver

\*Mini 4WD is highly recommended as a prerequisite

### 098-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 & II

**Period:** 4

**Grades:** 3 +

**Material fees:** \$125

Must have own Mini-Z.  
New Mini-Zs are available for additional charge.

**Instructor:** Davis Taylor  
Prerequisite: Mini-Z



## The Racing Academy

The Racing Academy, has been consistently evolving for nearly 25 years and Discover Camp was practically built on this one class alone! In this class, campers learn how to build 1/10th radio controlled cars and trucks from kits that consist of over 300 parts. First and foremost a child must develop the patience needed to take on such a large project. Patience cannot be found or practiced, it requires nurturing and we are experts at fostering patience and building skills. In the process, they will be learning about basic tools needed for construction and the proper use of these tools. We teach the children about the various components and mechanics of these kits by teaching them to read the detailed schematics used to assemble the cars. 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. The Racing Academy is divided up into five distinct groups which must be carefully selected.

### **099-Introduction to Racing Academy - Traxxas Slash Spec.**

Focused around the infamous Traxxas Slash, campers will be disassembling a truck according to instructions that we 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, 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. **This class includes the truck kit, remote, charger, 2 batteries, tools and a tool box. The charger and tools will be needed for any future Racing Academy course.**

**Session:** I & II

**Periods:** 2, or 3

**Grades:** 4+

**Material fees:** \$360

**Offroad track fee:** \$25



### **100-Introduction to Racing Academy - Traxxas Rustler**

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

**Session:** I & II

**Periods:** 2 or 3

**Grades:** 4+

**Material fees:** \$360

**Offroad track fee:** \$25



### **\*New 101-Introduction to Racing Academy - Traxxas Bandit**

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

**Session:** I & II

**Periods:** 2, or 3

**Grades:** 4+

**Material fees:** \$360

**Offroad track fee:** \$25





**102-Intermediate Racing Academy - Slash Spec./Upgrades (for returning or new campers who own a Traxxas Slash, Rustler, or Bandit Kit)**

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

**Session:** I & II

**Periods:** 2 or 3

**Grades:** 4+

**Material fees:** \$200

**Offroad track fee:** \$25

**103-Intermediate Racing Academy – Scale Trail Truck**

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

**Session:** I & II

**Periods:** 2 or 3

**Grades:** 4+

**Material fees:** \$480

**Offroad track fee:** \$25

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



**104-Intermediate Racing Academy - On-Road Spec.**

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

**Session:** I & II

**Periods:** 2 or 3

**Grades:** 4+

**Material fees:** \$455

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



A note to all advanced Racing Academy campers: JP and Davis will both be teaching period 4 classes. If you are choosing one of the advanced racing academy kits we highly suggest you choose period 4. If you have any questions please contact us at [RacingAcademy@discovercamp.com](mailto:RacingAcademy@discovercamp.com)

## **105-Advanced Racing Academy - Team Associated Short Course Truck**

This class is for the advanced builder and driver who wishes to build an advanced race-level kit. The truck has changed the game with their new Mid-motor design. Team Associated found with today's tracks and faster motors, positioning the motor in the middle of the chassis resulted in faster times. This is a 2-wheel drive short course truck with high performance trimmings like a ball differential, big bore shocks, and upgraded tires. Based on the B5m and T5m, the RC10SC5M Team Kit represents the next step in the evolution of competitive short-course racing. The SC5m shares many of the same Factory Team optional parts that result in improved durability and faster lap times. Factory Team V2 12mm 'Big Bore' shocks, and 'Gull Wing' front suspension are just a few of the SC5m features that make it stand above the rest of the pack! This is a great selection for the advanced builder 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 & II

**Period:** 4

**Grades:** 4+

**Material fees:** \$600

**Offroad track fee:** \$25

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



## **106-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 & II

**Period:** 4

**Grades:** 4+

**Material fees:** \$585

**Offroad track fee:** \$25

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





### **107-Advanced Racing Academy - Team Associated 2wd Buggy**

This class is for the most advanced builder and driver who wishes to build an advanced race-level kit. These kits have changed the game with their new Midmotor design. Team Associated has found that with today's tracks and faster motors, positioning the motor in the middle of the chassis resulted in faster times. This is a 2-wheel drive buggy with high performance trimmings like a ball differential, big bore shocks, and upgraded tires. Parts are all carefully selected by Mr. JP Kaminski, the JPK Special. The kit delivers the next level of 2wd buggy performance that will continue to be proven a winner. This is a great selection for the advanced builder 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.**

**Session:** I & II

**Period:** 4

**Grades:** 4+

**Material fees:** \$500

**Offroad track fee:** \$25

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



### **108-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 & II

**Period:** 4

**Grades:** 4+

**Material fees:** TBD

**Offroad track fee:** \$25

### **109-MyLaps (For Returning Campers)**

This class is for Racing Academy campers who truly want to become better racers. Campers will receive a MyLaps Transponder that is fitted to their vehicle. When you practice on the race track your vehicle triggers the timing system after every lap. When you cross the start/finish line the computer records your progress and calls out your time over the loudspeaker. Campers can use real time feedback to improve their racing skills by changing their speed, improving their racing line or not getting into crashes. Campers keep their MyLaps personal transponder for future racing.

**Session:** I & II

**Periods:** 2, or 3

**Grades:** 4+

**Material fees:** \$120

**Offroad track fee:** \$25

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

### **110-Discover Camp Racing & Repairs (For Returning Campers)**

Any camper who has previously taken The Racing Academy and is interested in racing their vehicles, getting their vehicles back in order or upgrading their vehicles should join this class. The goal of this course is to give each camper the tools they need to refine their RC driving ability and become a faster, better driver. You'd be amazed what a new set of tires or even a suspension change can do to bring down your lap times. We'll be assigning two counselors specifically to this program so that there is ALWAYS someone available to race with the kids or assist with repairs or upgrades. Should a camper require major repairs or upgrades above the materials fees then parents can send a check.

**Session:** I & II

**Periods:** 2 or 3,

**Grades:** 4+

**Material fees:** \$100

**Offroad track fee:** \$25

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

## Discover Camp 2021 Daily Schedule Session I

Choose one class from each column

Period-1 9:00-10:25	Period-2 10:30-1:00	Period-3 1:00-2:25	Period-4 2:30-3:30
001-DC Juniors (Grade K & 1) pg 16	001-DC Juniors (Grade K & 1) pg 16	001-DC Juniors (Grade K & 1) pg 16	001-DC Juniors (Grade K & 1) pg 16
002-DC Juniors 2 - The Ultimate DC Experience (Grade 1 & 2) pg 17	002-DC Juniors 2 - The Ultimate DC Experience (Grade 1 & 2) pg 17	002-DC Juniors 2 - The Ultimate DC Experience (Grade 1 & 2) pg 17	002-DC Juniors 2 - The Ultimate DC Experience (Grade 1 & 2) pg 17
004-Arcade Builders (Grades 3+) pg 20	003-Rube Goldberg (Grades 2+) pg 20	007-Intro to Rocketry (Grades 3+) pg 22	005-Escape DC (Grades 3-6) pg 21
005-Escape DC (Grades 3-6) pg 21	006-DC Woodcrafting and Modeling (Grades 4+) pg 21	011-Model Airplane Building (Grades 3+) pg 24	010-Siege Machines Plus (Grades 4+) pg 23
007-Intro to Rocketry (Grades 3+) pg 22	008/009-Advanced Rocketry I and II (Grades 4+) pg 22/23	012-Indoor FPV Drone Racing (Grades 5+) pg 24	013-Flying Wing Racing (Grades 5+) pg 24
012-Indoor FPV Drone Racing (Grades 5+) pg 24	014-Outdoor FPV Drone Racing (Grades 6+) pg 24	015-Multi-level Chess (Grades 2+) pg 26	020-Magic: the Gathering & Strategic Table Games (Grades 4+) pg 28
021-Warhammer Level I (Grades 3+) pg 28	015-Multi-level Chess (Grades 2+) pg 26	018-Dungeons and Dragons Level I (Grades 3+) pg 27	027-Scratch Coding with Mbots (Grades 3+) pg 30
022-Warhammer Level II (Grades 3+) pg 28	016/017-Pokemon Level I & II (Grades 3+) pg 26 & 27	019-Dungeons and Dragons Level II (Grades 4+) pg 27	028-Game Design Using Roblox (Grades 4+) pg 32
024-Strategic Board Games (Grades 3+) pg 29	025-Introduction to Astronomy (Grades 3+) pg 30	023-Warhammer Blood Bowl (Grades 3+) pg 29	031-Virtual & Augmented Reality Creators (Grades 4+) pg 34
026-Scratch Coding 3.0 (Grades 4 & 5) pg 30	028-Game Design Using Roblox (Grades 4+) pg 32	026-Scratch Coding 3.0 (Grades 2 & 3) pg 30	035-Intro to 3D Printing and Design (Grades 4+) pg 35
029-Minecraft (Grades 2+) pg 32	032-Game Design in Virtual Reality with Unity *Grades 5+) pg 34	030-Minecraft Virtual Reality (Grades 4+) pg 32	040-Shark Tank! Rapid Prototyping Using 3D Printing (Grades 4+) pg 36
031-Virtual & Augmented Reality Creators (Grades 4+) pg 34	039-Autodesk Inventor (Grades 5+) pg 36	032-Game Design in Virtual Reality with Unity (Grades 5+) pg 34	047-Raspberry Pi Makers (Grades 5+) pg 40
034-Intro to 3D Printing and Design (Grades 4+) pg 35	041-Build Your Own Personal Computer (Grades 5+) pg 36	036-3D Printing Designers (Intermediate) (Grades 4+) pg 35	051-LEGO Mosaic Makers (Grades 3+) pg 41
038-Functional 3D Printing with Onshape (Grades 3+) pg 36	053-LEGO Robotics Mindstorms EV3 (Grades 3+) pg 42	046-Elementary Electricity - Circuit Playground (Grade 2-5) pg 39	061-These Images are Alive! Creating Novels (Grades 2+) pg 46
048-Intro to Arduino and Coding (Grades 3+) pg 40	054-LEGO Mindstorms EV3 Advanced (Grades 4+) pg 42	050- Awesome LEGO Building Challenge (Grade 2-6) pg 41	067-Amazing Dollhouse Design (Grades 2+) pg 50
049-All About Arduino Advanced (Grades 5+) pg 40	058-Filmmaking (Grades 3+) pg 44	060-Comedy Improvisation (Grades 4+) pg 46	073- Recycled Art + Science (Grades 3-6) pg 51
052-LEGO WEDO Robotics & LEGO Boost (Grades 2-4) pg 41	059-Stop Motion Animation (Grades 4+) pg 44	069-Be A Creator (Grades 2+) pg 51	085-DC Basketball (Grades 2+) pg 56
058-Filmmaking (Grades 3+) pg 44	066-Rock Out Your Room (Grades 3+) pg 49	072- Art Without Boundaries (Grades 4+) pg 52	090-Frolf (Frisbee Golf) (Grades 3+) pg 58
064-Jewelry Making & More (Grades 2+) pg 49	071-Exploring The World Through Art (Grades 3-6) pg 51	078-081 Build a Board (Grades 3+) pg 54	092-Archery & Outdoor Games (Grades 4+) pg 58
070-Study The Masters (Grades 4+) pg 51	082/083-Introduction and Advanced (Grades 2+) pg 55	084-Discover Nerf Olympics (Grades 5+) pg 56	093-Indoor Rock Climbing (Grades 2+) pg 60
082/083-Introduction and Advanced (Grades 2+) pg 55	084-Discover Nerf Olympics (Grades 3& 4) pg 56	088-Backyard Games & Multi-Sports (Grades 2+) pg 57	094-Indoor Rock Climbing for returning climbers(Grades 2+) pg 60
086-DC Soccer (Grades 4+) pg 56	086-DC Soccer (Grades 2-3) pg 56	092-Archery & Outdoor Games (Grades 4+) pg 58	098-Mini-Z Racing & Upgrades (Returning racers) (Grade 3+) pg 63
087-Yoga and Mindful Movements (Grades 2+) pg 57	087-Yoga and Mindful Movements (Grades 2+) pg 57	093-Indoor Rock Climbing (Grades 2+) pg 60	
089-Golf (Grades 3+) pg 58	091-Floor Hockey (Grades 4+) pg 58	094-Indoor Rock Climbing for returning climbers(Grades 2+) pg 60	
092-Archery & Outdoor Games (Grades 4+) pg 58	092-Archery & Outdoor Games (Grades 4+) pg 58		
095-Discover Ninja Warriors (Grades 3+) pg 60	095-Discover Ninja Warriors (Grades 3+) pg 60		
096-Mini-4WD Building and Racing (Grade 2 & 3) pg 62	099-104- The Racing Academy (Grades 4+) pg 64-65	099-104- The Racing Academy (Grades 4+) pg 64-65	
097-Mini-Z Racing (Beginners) (Grade 3+) pg 63	109 & 110- The Racing Academy (Grades 4+) pg 67	109 & 110- The Racing Academy (Grades 4+) pg 67	105-108- The Racing Academy (Grades 4+) pg 66-67



## Discover Camp 2021 Daily Schedule Session II

Choose one class from each column

Period-1 9:00-10:25	Period-2 10:30-1:00	Period-3 1:00-2:25	Period-4 2:30-3:30
001-DC Juniors (Grade K & 1) pg 16	001-DC Juniors (Grade K & 1) pg 16	001-DC Juniors (Grade K & 1) pg 16	001-DC Juniors (Grade K & 1) pg 16
002-DC Juniors 2 - The Ultimate DC Experience (Grade 1 & 2) pg 17	002-DC Juniors 2 - The Ultimate DC Experience (Grade 1 & 2) pg 17	002-DC Juniors 2 - The Ultimate DC Experience (Grade 1 & 2) pg 17	002-DC Juniors 2 - The Ultimate DC Experience (Grade 1 & 2) pg 17
005-Escape DC (Grades 3-6) pg 21	003-Rube Goldberg (Grades 2+) pg 20	007-Intro to Rocketry (Grades 3+) pg 22	005-Escape DC (Grades 3-6) pg 21
007-Intro to Rocketry (Grades 3+) pg 22	008/009-Advanced Rocketry I and II (Grade 4+) pg 22/23	012-Indoor FPV Drone Racing (Grades 5+) pg 24	010-Siege Machines Plus (Grades 4+) pg 23
012-Model Airplane Building (Grades 3+) pg 24	014- Outdoor FPV Drone Racing (Grades 6+) pg 24	015-Multi-level Chess (Grades 2+) pg 26	020-Magic: the Gathering & Strategic Table Games (Grades 4+) pg 28
012-Indoor FPV Drone Racing (Grades 5+) pg 24	015-Multi-level Chess (Grades 2+) pg 26	018-Dungeons and Dragons Level I (Grades 3+) pg 27	028-Game Design Using Roblox (Grades 4+) pg 32
021-Warhammer Level I (Grades 3+) pg 28	016-Pokemon Level I (Grades 3+) pg 26	019-Dungeons and Dragons Level I (Grades 4+) pg 27	031-Virtual & Augmented Reality Creators (Grades 4+) pg 34
022-Warhammer Level II (Grades 3+) pg 28	017-Pokemon Level II (Grades 3+) pg 27	023-Warhammer Blood Bowl (Grades 3+) pg 29	033-Future City Engineers (Grades 3 & 4) pg 34
024-Strategic Board Games (Grade 3+) pg 29	025-Introduction to Astronomy (Grades 3+) pg 30	027-Scratch Coding with Mbots (Grades 3+) pg 30	034-Intro to 3D Printing and Design (Grades 4+) pg 35
029-Minecraft (Grades 2+) pg 32	028-Game Design Using Roblox (Grades 4+) pg 32	030-Minecraft Virtual Reality (Grades 4+) pg 32	044-Vehicle Builders (Grade 3+) pg 38
031-Virtual & Augmented Reality Creators (Grades 4+) pg 34	032-Game Design in Virtual Reality with Unity *Grades 5+) pg 34	032-Game Design in Virtual Reality with Unity *Grades 5+) pg 34	051-LEGO Mosaic Makers (Grades 3+) pg 41
034-Intro to 3D Printing and Design (Grades 4+) pg 35	035-3D Printing Inventors for Beginners (Grades 3+) pg 35	036-3D Printing Designers (Intermediate) (Grades 4+) pg 35	055-Beat Making/Digital Music Lab (Grades 4+) pg 42
040-Prototyping & Engraving using Laser Etching (Grades 4+) pg 36	039-Autodesk Inventor (Grades 5+) pg 36	038-Shark Tank! Rapid Prototyping Using 3D Printing (Grades 4+) pg 36	061-These Images are Alive! Creating Novels (Grades 2+) pg 46
042-Robots, Racers, and Circuits (Grades 2+) pg 38	045-Soldering Circuits (Grades 4+) pg 39	043-Alternative Energy Vehicles (Grades 2+) pg 38	062-Chopped Junior (Grades 2-3) pg 46
052-LEGO WEDO Robotics & LEGO Boost (Grades 2-4) pg 41	053*LEGO Robotics Mindstorm EV3 (Grades 3+) pg 42	050- Awesome LEGO Building Challenge (Grade 2-6) pg 41	064-Jewelry Making & More (Grades 2+) pg 49
058-Filmmaking (Grades 3+) pg 44	054-LEGO Mindstorm EV3 Advanced (Grades 3+) pg 42	057-DC Digital Music Makers (Grades 3+) pg 44	074-Paint, Paint, Paint (Grade 3+) pg 53
063-DC Amazing Miniatures (Grades 3+) pg 46	056-Build a Ukulele (Grades 3+) pg 42	060-Comedy Improvisation (Grades 4+) pg 46	085-DC Basketball (Grades 2+) pg 56
077-Ceramics (Grades 4+) pg 53	058-Filmmaking (Grades 3+) pg 44	062-Chopped Junior (Grades 4+) pg 46	090-Frolf (Frisbee Golf) (Grades 4+) pg 58
082/083-Introduction/Advanced Skateboarding (Grades 2+) pg 55	065-Wonders of Ocean Art (Grades 2+) pg 49	068-Glow Art (Grades 2+) pg 50	092-Archery & Outdoor Games (Grades 4+) pg 58
086-DC Soccer (Grades 4+) pg 56	076-Design Your Own Dollhouse (Grades 2+ ) pg 53	075-Art Exploration (Grades 2+) pg 52	093-Indoor Rock Climbing (Grades 2+) pg 60
089-Golf (Grades 3+) pg 58	082/083-Introduction/Advanced Skateboarding (Grades 2+) pg 55	078-081 Build a Board (Grades 3+) pg 54	094-Indoor Rock Climbing for returning climbers(Grades 2+) pg 60
092-Archery & Outdoor Games (Grades 4+) pg 58	084-Discover Nerf Olympics (Grades 3 & 4) pg 56	084-Discover Nerf Olympics (Grades 5+) pg 56	098-Mini-Z Racing (Returning campers) (Grades 3+) pg 63
095-Discover Ninja Warriors (Grades 3+) pg 60	086-DC Soccer (Grades 2-3) pg 56	088-Backyard Games & Multi-Sports (Grades 2+) pg 57	
096-Mini-4WD Building and Racing (Grade 2 & 3) pg 62	091-Floor Hockey (Grades 4+) pg 58	092-Archery & Outdoor Games (Grades 4+) pg 58	
097-Mini-Z Racing (Beginners) (Grade 3+) pg 63	092-Archery & Outdoor Games (Grades 4+) pg 58	093-Indoor Rock Climbing (Grades 2+) pg 60	
	095-Discover Ninja Warriors (Grades 3+) pg 60	094-Indoor Rock Climbing for returning climbers(Grades 2+) pg 60	
	099-104- The Racing Academy (Grades 4+) pg 64-65	099-104- The Racing Academy (Grades 4+) pg 64-65	
	109 & 110- The Racing Academy (Grades 4+) pg 67	109 & 110- The Racing Academy (Grades 4+) pg 67	105-108- The Racing Academy (Grades 4+) pg 66-67

## DISCOVER SENIOR CAMPER

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

Steps to becoming a Senior Camper:

- 1.) Send letter of interest and request application from Mr. O'Neil at [do'neil@discovercamp.com](mailto:do'neil@discovercamp.com)
- 2.) Fill out the online application
- 3.) Conduct a phone interview with Mr. O'Neil
- 4.) Upon acceptance, Mr. O'Neil will modify your account to register on our website

A Senior Camper will choose their own schedule based on class availability at the time of registration, March 1st. Senior campers may not get their first choice of classes. They will participate as a student and will also assist the other students and instructor. This immersion process will allow our Senior Campers to remain campers first, but begin to become familiar with assisting children. A Senior Camper will follow their schedule as a student and will not supervise children in any way but are expected to assist the teachers and fellow campers. We will be accepting no more than 12 Senior Campers into the 2021 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](mailto:do'neil@discovercamp.com)
- 2.) Fill out the online application
- 3.) Conduct a phone or video conference interview with Mr. O'Neil
- 4.) Upon acceptance, Mr. O'Neil will modify your account to register on our website

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 2021 Program.



*The Sanitizer*





Scan here for Fox 5 Story

## Discover Camp Technology Made Shields for Our Heroes.

As the pandemic emerged Discover Camp utilized their sixty 3D printers, three laser cutters, and other technology to print face shields for the nurses, doctors, and first responders. From Mid- March until July of 2020 teachers from Discover Camp printed, cut and assembled thousands of medical face shields for our heroes. As a result of this endeavor a new 501c3 charity, DiscoverCares, was born with a mission to help essential workers.

We took over basements, garages, and living rooms to run the 3D printers and laser cutters 24/7 and recruited friends and neighbors to assemble the final product. To date, we created more than 15,000 shields. Local PTAs and foundations made monetary contributions and donated printers that will then be returned to their home schools. After an initial self-funded round, we started a Go-Fund-me page which raised \$70,000.



Each side of the shield is protected with a film layer that essential workers can peel off and clean. The workers then place the protection over their N95 masks. The shields are reusable and many of them are still in use in many Westchester hospitals.



We were overwhelmed with gratitude at the support of the community and individuals across the country. Our team was made up of project co-founders Anthony Rich, David O'Neil, Andrew Zeimer and Vinny Garrison, as well as other major contributors JP Kaminski, Steve Martin, Anthony Melendez, MaryKate McCabe and family, Matt Lugo, Eddie Amato, Rich DiVitos, Ely Perry, Zach Lyons and several students. Most of us are school teachers who share a love for teaching, a commitment to our community, and a deep appreciation of the true heroes on the frontline dealing with this pandemic.



## The Story of Discover Camp A reflection written by Anthony Rich

In 2007 I resigned from my teaching position at a summer camp in Southern Westchester. Not everyone believed I could start my own summer camp but in the words of Maya Angelou, “You want me to do something...tell me I can’t do it.” My wife and I didn’t have nearly enough money to start a camp but we were both working educators so we threw everything we had into Discover Camp. We worked through the night often 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 peek 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 and grandfather both loved to tinker. They loved cars and anything mechanical. I can remember from a very early age watching them both work 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 Elmsford Raceway slotcar track many weekends. Sometime in the late seventies I saw my first radio controlled car there. 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 when my mom gave me the Tamiya Radio Controlled Car 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 buggy 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. My wife and I bought an old house to fix up but ended up tearing it down and building a new house when we were just twenty six. I have taken on landscaping projects, finished my basement, stone walls, installed kitchens, built computers, rewired a boat, 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 opened my world to RC cars. Today, before I tackle a project I immerse





myself 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 companies I was interested in buying from. 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. I was building something, taking it apart each year and rebuilding it better the next. 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.

Summer 2020 was a difficult year. We retooled the whole camp and opened safely. If my wife and I didn't have teaching positions we would have never survived the downturn.

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 Summer Tech."

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

Thank you for taking the time to learn more about Discover Camp.



# 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

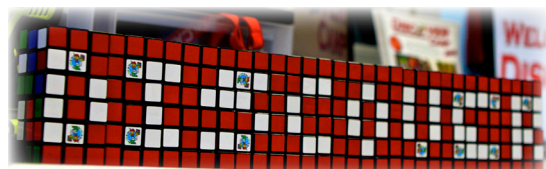
“I wanted to thank you and Mr. O’Neil and Mr. Melendez and staff for another amazing summer at Discover Camp (his 5th). Discover has been a God send for my son and the summer days of the camp sessions are truly the most reliably happy days for him of the entire year. School is not a good fit for him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







“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*

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