

# INTERNATIONAL IVY

---

## SUMMER ENRICHMENT PROGRAMS



2020 Catalog



[www.iisummer.com](http://www.iisummer.com)  
908-899-1338

## Table of Contents

<b>Philosophy and Goals</b> .....	3
<b>Map / Locations</b> .....	4
<b>Class Schedules by Location</b> .....	6
Short Hills, NJ.....	12
Basking Ridge, NJ.....	16
Burlington, NJ.....	18
Chatham, NJ.....	20
Cherry Hill, NJ .....	24
Hillsdale, NJ.....	26
Jersey City, NJ.....	29
Livingston, NJ .....	31
Montclair, NJ.....	33
Oakland, NJ.....	35
Paramus, NJ.....	38
Princeton, NJ .....	40
Scotch Plains, NJ .....	43
Somerset, NJ.....	45
Summit, NJ .....	48
Newark, DE.....	50
Owings Mills, MD.....	52
Lititz, PA.....	54

## Class Descriptions

Robotics.....	56
Computer Programming .....	57
Video Game Creaton .....	58
Digital Design.....	59
Minecraft.....	60
Science & Engineering .....	61
Math & Business.....	64
Academic & Cross-Disciplinary .....	65
Arts – Visual & Performing .....	67
Sports & Recreation.....	68
<b>Frequently Asked Questions</b> .....	69
<b>Registration/Contact Us</b> .....	72

# INTERNATIONAL IVY - PHILOSOPHY AND GOALS

## EXERCISE CREATIVITY

We design our classes to be creative. Kids design video games, devise the winning robots, tinker with the engineering of gadgets, conduct experiments and make films. There are many opportunities for kids to exercise their creative juices, at a time in their lives when they are the most creative and open.

## ENCOURAGE COMMUNICATION AND COLLABORATION

Students advance their communication skills by sharing their ideas and showcasing the results of their creativity to their peers. Students will often work together and enhance their collaboration skills.

## PRACTICE CRITICAL THINKING BY PROBLEM-SOLVING

Students will be given challenges and adventures to figure out. They will be analyzing information, drawing conclusions and trying different solutions. We encourage resilience and an optimistic outlook. Optimism is a way of seeing the world where problems are temporary, and we can take actions to reduce or resolve problems.

## LEARN BY DOING

Our classes are hands-on. Our instructors demonstrate and model new concepts. Then most of the time is dedicated to students developing and practicing their new skills. Our instructors provide guidance and support along the way.

## GREAT TEACHERS AND SMALL CLASSES

Our instructors thrive on the joy and curiosity of our students. Many of our nurturing instructors are certified teacher or specialists in their fields. We cap the enrollment of each class to 16 students to create better learning experiences.

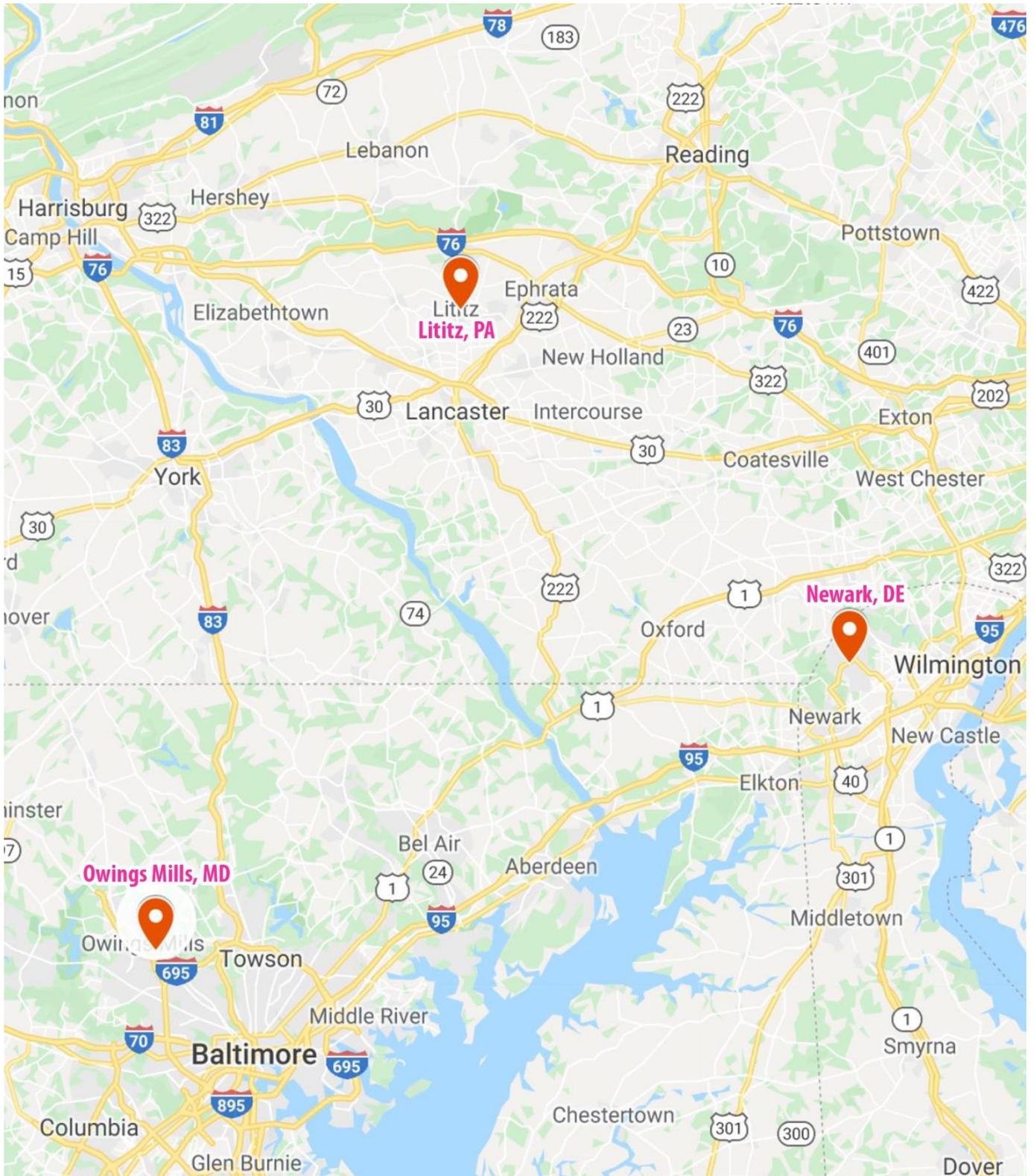
## FLEXIBLE SCHEDULING OPTIONS

All sessions are weekly so students can attend one week or multiple weeks. Each week, students can choose to attend either half-day or full-day. Half-day is either AM (9:00-12:30) or PM (1:30-5:00). Full-day is 9:00-5:00. We provide a complimentary 30-minute drop-off and pick-up period for greater flexibility.





## LOCATIONS - DELAWARE, MARYLAND, PENNSYLVANIA



## SCHEDULES

	<p><b><u>SHORT HILLS, NJ</u></b></p> <p>The Pingry School          50 Country Day Drive          Short Hills, NJ 07078  <a href="http://www.iisummer.com/short-hills/">www.iisummer.com/short-hills/</a></p>	<p>June 22 - August 7          Ages 3-15</p>
	<p><b><u>BASKING RIDGE, NJ</u></b></p> <p>The Pingry School          131 Martinsville Road          Basking Ridge, NJ 07920  <a href="http://www.iisummer.com/basking/">www.iisummer.com/basking/</a></p>	<p>July 6 - August 14          Ages 5-15</p>
	<p><b><u>BURLINGTON, NJ</u></b></p> <p>Doane Academy          350 Riverbank          Burlington, NJ 08016  <a href="http://www.iisummer.com/burlington/">www.iisummer.com/burlington/</a></p>	<p>July 6 – August 14          Ages 5-15</p>
	<p><b><u>CHATHAM, NJ</u></b></p> <p>Chatham Day School          700 Shunpike Road          Chatham, NJ 07928  <a href="http://www.iisummer.com/chatham/">www.iisummer.com/chatham/</a></p>	<p>June 22 – August 12          Ages 3-15</p>

	<p><u>CHERRY HILL, NJ</u>  King's Christian School  5 Carnegie Plaza  Cherry Hill, NJ 08003  <a href="http://www.iisummer.com/cherryhill">www.iisummer.com/cherryhill</a></p>	<p>June 29 – August 7  Ages 5-15</p>
	<p><u>HILLSDALE, NJ</u>  Saint John's Academy  460 Hillsdale Avenue  Hillsdale, NJ 07642  <a href="http://www.iisummer.com/hillsdale/">www.iisummer.com/hillsdale/</a></p>	<p>July 6 – August 14  Ages 5-15</p>
	<p><u>JERSEY CITY, NJ</u>  French American Academy  209 3rd Street  Jersey City, NJ 07302</p>	<p>July 13 – August 7  Ages 8-15</p>
	<p><u>LIVINGSTON, NJ</u>  Joseph Kushner Hebrew Academy  110 S Orange Ave  Livingston, NJ 07039  <a href="http://www.iisummer.com/livingston/">www.iisummer.com/livingston/</a></p>	<p>August 3 - August 21  Ages 5-15</p>

	<p><u>MONTCLAIR, NJ</u>  Montclair State University  1 Normal Avenue  Montclair, NJ 07043  <a href="http://www.iisummer.com/montclair/">www.iisummer.com/montclair/</a></p>	<p>July 6 – July 31  Ages 7-14</p>
	<p><u>OAKLAND, NJ</u>  Academies at Gerrard  Berman Day School  45 Spruce Street  Oakland, NJ 07436  <a href="http://www.iisummer.com/oakland/">www.iisummer.com/oakland/</a></p>	<p>July 6 - August 14  Ages 5-15</p>
	<p><u>PARAMUS, NJ</u>  Ridgewood Montessori  School  70 Eisenhower Drive  Paramus, NJ 07652  <a href="http://www.iisummer.com/paramus/">www.iisummer.com/paramus/</a></p>	<p>July 6 - August 14  Ages 6-15</p>
	<p><u>PRINCETON, NJ</u>  Princeton Montessori School  487 Cherry Valley Road  Princeton, NJ 08540  <a href="http://www.iisummer.com/princeton/">www.iisummer.com/princeton/</a></p>	<p>June 22 - August 14  Ages 5-15</p>

	<p><b><u>SCOTCH PLAINS, NJ</u></b>  Language and Learning Center  551 Park Avenue  Scotch Plains, NJ 07076  <a href="http://www.iisummer.com/scotch-plains/">www.iisummer.com/scotch-plains/</a></p>	<p>July 6 - August 14  Ages 5-15</p>
	<p><b><u>SOMERSET, NJ</u></b>  Rutgers Preparatory School  1345 Easton Avenue  Somerset, NJ 08873  <a href="http://www.iisummer.com/somerset/">www.iisummer.com/somerset/</a></p>	<p>July 6 - August 21  Ages 5-15</p>
	<p><b><u>SUMMIT, NJ</u></b>  Kent Place School  42 Norwood Avenue  Summit, NJ 07901  <a href="http://www.iisummer.com/summit/">www.iisummer.com/summit/</a></p>	<p>July 6 - August 10  Ages 5-15</p>
	<p><b><u>NEWARK, DE</u></b>  The Independence School  1300 Paper Mill Road  Newark, DE 19711  <a href="http://www.iisummer.com/newark-delaware">www.iisummer.com/newark-delaware</a></p>	<p>July 13 - August 21  Ages 7-15</p>



OWINGS MILLS, MD

Garrison Forest School  
300 Garrison Forest Road  
Owings Mills, MD 21117  
[www.iisummer.com/owingsmills](http://www.iisummer.com/owingsmills)

June 29 - August 7

Ages 8-15



LITITZ, PA

Linden Hall School  
212 E. Main Street  
Lititz, PA 17543  
<http://www.iisummer.com/lititz>

June 22 – July 17

Ages 7-15

## SCHEDULES

At International Ivy, we designed the Program to be flexible.

- All our sessions are weekly so families can sign up for any number of weeks, from one to all weeks.
- Families can select full-day or half-day for each week.
  - Full-day is from 9:00 AM to 5:00 AM. Students take one class in the morning (9:00-12:30), take lunch (12:30-1:30), then take one class in the afternoon (1:30-5:00).
  - Half-day is either AM or PM. The AM class is from 9:00 AM to 12:30 PM and the PM class is from 1:30 PM to 5:00 PM.
- Students can take only one class for the week (Monday to Friday) in the AM and only one class for the week in the PM.
- There is a 30-minute break in the morning from 10:30 AM to 11:00 AM and a 30-minute break in the afternoon from 3:00 PM - 3:30 PM. Please send in a beverage and snack for each break time.
- Families have 30 minutes to drop-off and pick-up their children. For example, if a child is enrolled full-day, the child can be dropped off between 8:30 AM to 9:00 AM and be picked up between 5:00 PM to 5:30 PM. There is a \$1 per minute penalty for late pick-up beyond 5:30 PM.
- Extended Day for Mornings (8:00 AM – 8:30 AM) and Late Afternoons (5:30 PM - 6:00 PM) are available at certain locations (Chatham and Short Hills) for an additional fee of \$50/week for AM extended day and \$50/week for PM extended day.
- Please look at the following pages for specific class schedules for each location.

# SCHEDULES – NJ – SHORT HILLS 1/3

## SHORT HILLS 2020 CLASS SCHEDULE

### Week 1 - June 22 - June 26

AM (9:00-12:30) - select one AM class for the week.		PM (1:30-5:00) - select one PM class for the week.	
3D Printing Beginner	Ages 10-14	3D Printing Beginner	Ages 10-14
Canvas Painting	Ages 8-13	Creative Writing Workshop	Ages 8-13
Investment Literacy and Stock Market Game	Ages 10-14	Eureka! The Inventors' Camp	Ages 7-10
Minecraft Advanced	Ages 10-14	Math Competition Training	Ages 10-14
Programming in Java - Introduction	Ages 13-15	Minecraft Survival for Beginners	Ages 5-10
Public Speaking and Youth Leadership	Ages 8-13	Mixed Media Studio Art	Ages 8-13
Robotics with VEX IQ	Ages 11-15	Programming in Python - Introduction	Ages 10-14
Shockingly Sticky Science	Ages 7-10	Roblox Game Development	Ages 10-14
Virtual Reality	Ages 10-14	Robotics with VEX IQ	Ages 11-15
Youngster - Programming with Dash	Ages 5-7	Virtual Reality	Ages 10-14
YouTube Video Creation	Ages 8-13	Youngster - Scratch Junior	Ages 5-7

### Week 2 - June 29 - July 2 (closed Friday, July 3)

AM (9:00-12:30) - select one AM class for the week.		PM (1:30-5:00) - select one PM class for the week.	
3D Printing Beginner	Ages 10-14	3D Printing Beginner	Ages 10-14
Chess for Beginners & other games	Ages 7-10	Chess for Intermediate Players	Ages 8-13
Detective/Spy Lab	Ages 7-10	Crazy Chemworks	Ages 7-10
Film-Making	Ages 8-13	Escape Room Creation	Ages 8-13
Lemonade Stand Entrepreneur	Ages 8-10	Minecraft Math	Ages 8-13
Minecraft Creative - The Engineer in You	Ages 8-13	Robotics with VEX IQ	Ages 11-15
Programming - Scratch	Ages 7-10	Shark Tank Entrepreneur	Ages 10-14
Robotics with VEX IQ	Ages 11-15	Stop-Action Animation	Ages 8-13
Video Game Creation Beginner	Ages 8-13	Video Game Creation Advanced	Ages 8-13
Virtual Reality	Ages 10-14	Virtual Reality	Ages 10-14
War and Peace Games - Game Theory	Ages 10-14	WeDo Robotics	Ages 6-9

### Week 3 - July 6 - July 10

AM (9:00-12:30) - select one AM class for the week.		PM (1:30-5:00) - select one PM class for the week.	
3D Printing Beginner	Ages 10-14	3D Printing Advanced	Ages 10-14
Action Flix	Ages 8-11	Acapella 101	Ages 8-13
Anatomy and Surgical Techniques Beginner	Ages 10-14	AdventureQuest- Leadership Games	Ages 5-10
App Design Using GameSalad - ios devices	Ages 10-14	Anatomy and Surgical Techniques Advanced	Ages 10-14
Arts & Crafts Elevated with Cricut	Ages 8-13	Chefs in Training	Ages 7-10
Minecraft 3D Animation	Ages 10-14	Makers Space & Math	Ages 8-10
Minecraft Mini-Games Galore	Ages 8-13	Minecraft Mega Mash-up	Ages 8-13
Programming in Python - Introduction	Ages 10-14	Programming - Hopscotch	Ages 8-13
Robotics with VEX IQ	Ages 11-15	Programming in Java - Introduction	Ages 13-15
Wee STEAMers Pre-K Camp	Ages 3-4	Robotics with VEX IQ	Ages 11-15
Youngster - Left Brain Mix	Ages 5-7	Youngster - Programming with Dash	Ages 5-7
Youngster - Scratch Junior	Ages 5-7	Youngster - Right Brain Mix	Ages 5-7

## SCHEDULES – NJ – SHORT HILLS 2/3

Week 4 - July 13 - July 17			
AM (9:00-12:30) - select one AM class for the week.		PM (1:30-5:00) - select one PM class for the week.	
Board Game Play & Design	Ages 8-10	Board Game Play & Design	Ages 11-14
Chess for Intermediate Players	Ages 8-13	Canvas Painting	Ages 8-13
Crazy Chemworks	Ages 7-10	Chess for Beginners & other games	Ages 7-10
Drone Programming Beginner	Ages 10-14	Detective/Spy Lab	Ages 7-10
Fashion Design on the Computer	Ages 8-13	Drone Programming Advanced	Ages 10-14
Minecraft and Chemistry	Ages 10-14	Engineering Discovery Workshop	Ages 7-10
Mixed Media Studio Art	Ages 8-13	Green Screen Creativity	Ages 8-13
Robotics with VEX IQ	Ages 11-15	Lemonade Stand Entrepreneur	Ages 8-10
Shark Tank Entrepreneur	Ages 10-14	Minecraft and Coding	Ages 10-14
Virtual 3D Robot Coding	Ages 10-14	Pre-Architecture	Ages 10-14
Wee STEAMers Pre-K Camp	Ages 3-4	Robotics with VEX IQ	Ages 11-15
Youngster - Right Brain Mix	Ages 5-7	Youngster - Left Brain Mix	Ages 5-7

Week 5 - July 20 - July 24			
AM (9:00-12:30) - select one AM class for the week.		PM (1:30-5:00) - select one PM class for the week.	
Arts & Crafts Elevated with Cricut	Ages 8-13	AdventureQuest- Leadership Games	Ages 5-10
Board Game Play & Design	Ages 11-14	Board Game Play & Design	Ages 8-10
Drone Programming Advanced	Ages 10-14	Chefs in Training	Ages 7-10
Engineering - Flight and Aerospace	Ages 8-10	Drone Programming Beginner	Ages 10-14
Math Competition Training	Ages 10-14	Engineering of Ice Cream / Food Science	Ages 8-10
Minecraft Survival for Beginners	Ages 5-10	Film-Making	Ages 8-13
Robotics Lego © Animals	Ages 9-11	Graphic Design and GIMP	Ages 8-13
Stop-Action Animation	Ages 8-13	Investment Literacy and Stock Market Game	Ages 10-14
Video Game Creation Advanced	Ages 8-13	Minecraft Advanced	Ages 10-14
Website Design with Wordpress	Ages 8-13	Robotics Lego © Vehicles	Ages 9-11
Wee STEAMers Pre-K Camp	Ages 3-4	Video Game Creation Beginner	Ages 8-13
Youngster - Left Brain Mix	Ages 5-7	Youngster - Right Brain Mix	Ages 5-7
Youngster - Programming with Dash	Ages 5-7	Youngster - Scratch Junior	Ages 5-7

Week 6 - July 27 - July 31			
AM (9:00-12:30) - select one AM class for the week.		PM (1:30-5:00) - select one PM class for the week.	
Action Flix	Ages 8-11	Acapella 101	Ages 8-13
Arts & Crafts Elevated with Cricut	Ages 8-13	Chefs in Training	Ages 7-10
Creative Writing Workshop	Ages 8-13	Comic Creation	Ages 8-13
Electrical Engineering with Makey-Makey	Ages 8-13	Engineering and Programming with Arduino	Ages 10-14
Environmental Science / Conservation	Ages 10-14	Engineering Discovery Workshop	Ages 7-10
Green Screen Creativity	Ages 8-13	Forensic Science	Ages 10-14
Makers Space & Math	Ages 8-10	Minecraft 3D Animation	Ages 10-14
Minecraft Math	Ages 8-13	Minecraft Creative - The Engineer in You	Ages 8-13
Murder Mystery Creation	Ages 10-14	Public Speaking and Youth Leadership	Ages 8-13
Robotics Lego © Vehicles	Ages 9-11	Robotics Lego © Animals	Ages 9-11
Wee STEAMers Pre-K Camp	Ages 3-4	Virtual 3D Robot Coding	Ages 10-14
Youngster - Right Brain Mix	Ages 5-7	Youngster - Left Brain Mix	Ages 5-7

## SCHEDULES – NJ – SHORT HILLS 3/3

Week 7 - August 3 - August 7			
AM (9:00-12:30) - select one AM class for the week.		PM (1:30-5:00) - select one PM class for the week.	
3D Printing Advanced	Ages 10-14	3D Printing Beginner	Ages 10-14
Chess for Beginners & other games	Ages 7-10	AdventureQuest- Leadership Games	Ages 5-10
Civil Engineering - Bridges and Buildings	Ages 8-10	Chemical Engineering: Polymers & Bioplastics	Ages 10-14
Engineering of Ice Cream / Food Science	Ages 8-10	Chess for Intermediate Players	Ages 8-13
Escape Room Creation	Ages 8-13	Engineering - Flight and Aerospace	Ages 8-10
Minecraft Mega Mash-up	Ages 8-13	Film-Making	Ages 8-13
Roblox Game Development	Ages 8-13	Minecraft Mini-Games Galore	Ages 8-13
Robotics Lego ® Animals	Ages 9-11	Robotics Lego ® Vehicles	Ages 9-11
Stop-Action Animation	Ages 8-13	Video Game Creation Advanced	Ages 8-13
Video Game Creation Beginner	Ages 8-13	Virtual Reality	Ages 10-14
Virtual Reality	Ages 10-14	War and Peace Games - Game Theory	Ages 10-14
Wee STEAMers Pre-K Camp	Ages 3-4	Youngster - Right Brain Mix	Ages 5-7
Youngster - Left Brain Mix	Ages 5-7	YouTube Video Creation	Ages 10-14

Short Hills - 2020		Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7
(AM = 9:00-12:30 ; PM = 1:30-5:00)		22-Jun	29-Jun	6-Jul	13-Jul	20-Jul	27-Jul	3-Aug
3D Printing Advanced	Ages 10-14			PM				AM
3D Printing Beginner	Ages 10-14	AM, PM	AM, PM	AM				PM
Acapella 101	Ages 8-13			PM			PM	
Action Flix	Ages 8-11			AM			AM	
AdventureQuest- Leadership Games	Ages 5-10			PM		PM		PM
Anatomy and Surgical Techniques Advanced	Ages 10-14			PM				
Anatomy and Surgical Techniques Beginner	Ages 10-14			AM				
App Design Using GameSalad - ios devices	Ages 10-14			AM				
Arts & Crafts Elevated with Cricut	Ages 8-13			AM		AM	AM	
Board Game Play & Design	Ages 8-10				AM, PM	AM, PM		
Canvas Painting	Ages 8-13	AM			PM			
Chefs in Training	Ages 7-10			PM		PM	PM	
Chemical Engineering: Polymers & Bioplastics	Ages 10-14							PM
Chess for Beginners & other games	Ages 7-10		AM		PM			AM
Chess for Intermediate Players	Ages 8-13		PM		AM			PM
Civil Engineering - Bridges and Buildings	Ages 8-10							AM
Comic Creation	Ages 8-13						PM	
Crazy Chemworks	Ages 7-10		PM		AM			
Creative Writing Workshop	Ages 8-13	PM					AM	
Detective/Spy Lab	Ages 7-10		AM		PM			
Drone Programming Advanced	Ages 10-14				PM	AM		
Drone Programming Beginner	Ages 10-14				AM	PM		
Electrical Engineering with Makey-Makey	Ages 8-13						AM	
Engineering - Flight and Aerospace	Ages 8-10					AM		PM
Engineering and Programming with Arduino	Ages 10-14						PM	
Engineering Discovery Workshop	Ages 7-10				PM		PM	
Engineering of Ice Cream / Food Science	Ages 8-10					PM		AM

Short Hills - 2020		Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7
(AM = 9:00-12:30 ; PM = 1:30-5:00)		22-Jun	29-Jun	6-Jul	13-Jul	20-Jul	27-Jul	3-Aug
Environmental Science / Conservation	Ages 10-14						AM	
Escape Room Creation	Ages 8-13		PM					AM
Eureka! The Inventors' Camp	Ages 7-10	PM						
Fashion Design on the Computer	Ages 8-13				AM			
Film-Making	Ages 8-13		AM			PM		PM
Forensic Science	Ages 10-14						PM	
Graphic Design and GIMP	Ages 8-13					PM		
Green Screen Creativity	Ages 8-13				PM		AM	
Investment Literacy and Stock Market Game	Ages 10-14	AM				PM		
Lemonade Stand Entrepreneur	Ages 8-10		AM		PM			
Makers Space & Math	Ages 8-10			PM			AM	
Math Competition Training	Ages 10-14	PM				AM		
Minecraft 3D Animation	Ages 10-14			AM			PM	
Minecraft Advanced	Ages 10-14		AM			PM		
Minecraft and Chemistry	Ages 10-14				AM			
Minecraft and Coding	Ages 10-14				PM			
Minecraft Creative - The Engineer in You	Ages 8-13	AM					PM	
Minecraft Math	Ages 8-13		PM				AM	
Minecraft Mega Mash-up	Ages 8-13			PM				AM
Minecraft Mini-Games Galore	Ages 8-13			AM				PM
Minecraft Survival for Beginners	Ages 5-10	PM				AM		
Mixed Media Studio Art	Ages 8-13	PM			AM			
Murder Mystery Creation	Ages 10-14						AM	
Pre-Architecture	Ages 10-14				PM			
Programming - Hopscotch	Ages 8-13			PM				
Programming - Scratch	Ages 7-10		AM					
Programming in Java - Introduction	Ages 13-15	AM		PM				
Programming in Python - Introduction	Ages 10-14	PM		AM				
Public Speaking and Youth Leadership	Ages 8-13	AM					PM	
Roblox Game Development	Ages 10-14	PM						AM
Robotics Lego ® Animals	Ages 9-11					AM	PM	AM
Robotics Lego ® Vehicles	Ages 9-11					PM	AM	PM
Robotics with VEX IQ	Ages 11-15	AM, PM	AM, PM	AM, PM	AM, PM			
Shark Tank Entrepreneur	Ages 10-14		PM		AM			
Shockingly Sticky Science	Ages 7-10	AM						
Stop-Action Animation	Ages 8-13		PM			AM		AM
Video Game Creation Advanced	Ages 8-13		PM			AM		PM
Video Game Creation Beginner	Ages 8-13		AM			PM		AM
Virtual 3D Robot Coding	Ages 10-14				AM		PM	
Virtual Reality	Ages 10-14	AM, PM	AM, PM					AM, PM
War and Peace Games - Game Theory	Ages 10-14		AM					PM
Website Design with Wordpress	Ages 8-13					AM		
WeDo Robotics	Ages 6-9		PM					
Wee STEAMers Pre-K Camp	Ages 3-4			AM	AM	AM	AM	AM
Youngster - Left Brain Mix	Ages 5-7			AM	PM	AM	PM	AM
Youngster - Programming with Dash	Ages 5-7	AM		PM		AM		
Youngster - Right Brain Mix	Ages 5-7			PM	AM	PM	AM	PM
Youngster - Scratch Junior	Ages 5-7	PM		AM		PM		
YouTube Video Creation	Ages 8-13	AM						PM

# SCHEDULES – NJ – BASKING RIDGE

## BASKING RIDGE 2020 CLASS SCHEDULE



Morning Options will be available at Pingry Basking Ridge campus  
([www.bigbluesummer.org](http://www.bigbluesummer.org))



Week 3 - July 6 - July 10	
PM (1:00-4:30) - select one PM class for the week.	
Civil Engineering - Bridges and Buildings	Ages 8-10
Math Competition Training	Ages 10-14
Minecraft Survival for Beginners	Ages 5-10
Programming - Scratch	Ages 7-10
Virtual 3D Robot Coding	Ages 10-14
Virtual Reality	Ages 10-14
Youngster - Right Brain Mix	Ages 5-7

Week 4 - July 13 - July 17	
PM (1:00-4:30) - select one PM class for the week.	
Chemical Engineering: Polymers & Bioplastics	Ages 10-14
Creative Writing Workshop	Ages 8-13
Drone Programming Beginner	Ages 10-14
Minecraft Math	Ages 8-13
Roblox Game Development	Ages 10-14
Video Game Creation Beginner	Ages 8-13
Youngster - Left Brain Mix	Ages 5-7

Week 5 - July 20 - July 24	
PM (1:00-4:30) - select one PM class for the week.	
3D Printing Beginner	Ages 10-14
Drone Programming Advanced	Ages 10-14
Forensic Science	Ages 10-14
Green Screen Creativity	Ages 8-13
Minecraft Mini-Games Galore	Ages 8-13
Video Game Creation Advanced	Ages 8-13
WeDo Robotics	Ages 6-9
Youngster - Right Brain Mix	Ages 5-7

Week 6 - July 27 - July 31	
PM (1:00-4:30) - select one PM class for the week.	
3D Printing Advanced	Ages 10-14
App Design Using GameSalad - ios devices	Ages 10-14
Environmental Science / Conservation	Ages 10-14
Investment Literacy and Stock Market Game	Ages 10-14
Minecraft Mega Mash-up	Ages 8-13
Youngster - Programming with Dash	Ages 5-7

Week 7 - August 3 - August 7	
PM (1:00-4:30) - select one PM class for the week.	
Engineering - Flight and Aerospace	Ages 8-10
Minecraft Creative - The Engineer in You	Ages 8-13
Public Speaking and Youth Leadership	Ages 8-13
Video Game Creation Advanced	Ages 8-13
Website Design with Wordpress	Ages 8-13
Youngster - Scratch Junior	Ages 5-7

Week 8 - August 10 - August 14			
AM (9:00-12:30) - select one AM class for the week.		PM (1:00-4:30) - select one PM class for the week.	
Anatomy and Surgical Techniques Beginner	Ages 10-14	Anatomy and Surgical Techniques Advanced	Ages 10-14
App Design Using App Inventor - android devices	Ages 10-14	Comic Creation	Ages 8-13
App Design Using GameSalad - ios devices	Ages 10-14	Engineering and Programming with Arduino	Ages 10-14
Electrical Engineering with Makey-Makey	Ages 8-13	Lemonade Stand Entrepreneur	Ages 8-10
Minecraft Survival for Beginners	Ages 5-10	Minecraft Advanced	Ages 10-14
Shark Tank Entrepreneur	Ages 10-14	Programming - Hopscotch	Ages 8-13
Youngster - Right Brain Mix	Ages 5-7	Youngster - Left Brain Mix	Ages 5-7

Aftercare (4:30-6:00) will be available for an additional fee of \$65/week

**\*\* Basking Ridge is the only location where the afternoon class is from 1:00 – 4:30 \*\***

<b>BASKING RIDGE - 2020</b>		<b>Week 3</b>	<b>Week 4</b>	<b>Week 5</b>	<b>Week 6</b>	<b>Week 7</b>	<b>Week 8</b>
<b>(AM = 9:00-12:30 ; PM = 1:00-4:30)</b>		<b>6-Jul</b>	<b>13-Jul</b>	<b>20-Jul</b>	<b>27-Jul</b>	<b>3-Aug</b>	<b>10-Aug</b>
3D Printing Advanced	Ages 10-14				PM		
3D Printing Beginner	Ages 10-14			PM			
Anatomy and Surgical Techniques Advanced	Ages 10-14						PM
Anatomy and Surgical Techniques Beginner	Ages 10-14					AM	
App Design Using GameSalad - ios devices	Ages 10-14				PM		AM
Chemical Engineering: Polymers & Bioplastics	Ages 10-14		PM				
Civil Engineering - Bridges and Buildings	Ages 8-10	PM					
Comic Creation	Ages 8-13						PM
Creative Writing Workshop	Ages 8-13		PM				
Drone Programming Advanced	Ages 10-14			PM			
Drone Programming Beginner	Ages 10-14		PM				
Electrical Engineering with Makey-Makey	Ages 8-13						AM
Engineering - Flight and Aerospace	Ages 8-10					PM	
Engineering and Programming with Arduino	Ages 10-14						PM
Environmental Science / Conservation	Ages 10-14				PM		
Forensic Science	Ages 10-14			PM			
Green Screen Creativity	Ages 8-13			PM			
Investment Literacy and Stock Market Game	Ages 10-14				PM		
Lemonade Stand Entrepreneur	Ages 8-10						PM
Math Competition Training	Ages 10-14	PM					
Minecraft Advanced	Ages 10-14						PM
Minecraft Creative - The Engineer in You	Ages 8-13					PM	
Minecraft Math	Ages 8-13		PM				
Minecraft Mega Mash-up	Ages 8-13				PM		
Minecraft Mini-Games Galore	Ages 8-13			PM			
Minecraft Survival for Beginners	Ages 5-10	PM					AM
Murder Mystery Creation	Ages 10-14						AM
Programming - Hopscotch	Ages 8-13						PM
Programming - Scratch	Ages 7-10	PM					
Public Speaking and Youth Leadership	Ages 8-13					PM	
Roblox Game Development	Ages 10-14		PM				
Shark Tank Entrepreneur	Ages 10-14						AM
Video Game Creation Advanced	Ages 8-13			PM		PM	
Video Game Creation Beginner	Ages 8-13		PM				
Virtual 3D Robot Coding	Ages 10-14	PM					
Virtual Reality	Ages 10-14	PM					
Website Design with Wordpress	Ages 8-13					PM	
WeDo Robotics	Ages 6-9			PM			
Youngster - Left Brain Mix	Ages 5-7		PM				PM
Youngster - Programming with Dash	Ages 5-7				PM		
Youngster - Right Brain Mix	Ages 5-7	PM		PM			AM
Youngster - Scratch Junior	Ages 5-7					PM	

# SCHEDULES – NJ – BURLINGTON

## BURLINGTON 2020 CLASS SCHEDULE

Week 3 - July 6 - July 10			
AM (9:00-12:30) - select one AM class for the week.		PM (1:30-5:00) - select one PM class for the week.	
App Design Using GameSalad - ios devices	Ages 10-14	Chemical Engineering: Polymers & Bioplastics	Ages 8-13
Civil Engineering - Bridges and Buildings	Ages 8-13	Minecraft 3D Animation	Ages 10-14
Creative Writing Workshop	Ages 8-13	Programming - Hopscotch	Ages 8-13
Makers Space & Math	Ages 8-10	Programming in Java - Introduction	Ages 13-15
Programming in Python - Introduction	Ages 10-14	Public Speaking and Youth Leadership	Ages 8-13
Robotics Lego ® Vehicles	Ages 9-11	Roblox Game Development	Ages 10-14
YouTube Video Creation	Ages 8-13	Robotics Lego ® Animals	Ages 9-11

Week 4 - July 13 - July 17			
AM (9:00-12:30) - select one AM class for the week.		PM (1:30-5:00) - select one PM class for the week.	
Civil Engineering - Bridges and Buildings	Ages 8-13	Chemical Engineering: Polymers & Bioplastics	Ages 8-13
Drone Programming Beginner	Ages 10-14	Drone Programming Beginner	Ages 10-14
Graphic Design and GIMP	Ages 8-13	Lemonade Stand Entrepreneur	Ages 8-10
Robotics Lego ® Animals	Ages 9-11	Robotics Lego ® Vehicles	Ages 9-11
Shark Tank Entrepreneur	Ages 10-14	Video Game Creation Advanced	Ages 8-13
Video Game Creation Beginner	Ages 8-13	Virtual Reality	Ages 10-14
Virtual Reality	Ages 10-14	Website Design with Wordpress	Ages 8-13

Week 5 - July 20 - July 24			
AM (9:00-12:30) - select one AM class for the week.		PM (1:30-5:00) - select one PM class for the week.	
Anatomy and Surgical Techniques Beginner	Ages 10-14	Anatomy and Surgical Techniques Advanced	Ages 10-14
Green Screen Creativity	Ages 8-13	Comic Creation	Ages 8-13
Math Competition Training	Ages 10-14	Investment Literacy and Stock Market Game	Ages 10-14
Minecraft Advanced	Ages 10-14	Minecraft Survival for Beginners	Ages 5-10
Murder Mystery Creation	Ages 10-14	Programming - Scratch	Ages 7-10
WeDo Robotics	Ages 6-9	Virtual 3D Robot Coding	Ages 10-14

Week 6 - July 27 - July 31			
AM (9:00-12:30) - select one AM class for the week.		PM (1:30-5:00) - select one PM class for the week.	
Engineering - Flight and Aerospace	Ages 8-10	App Design Using GameSalad - ios devices	Ages 10-14
Lemonade Stand Entrepreneur	Ages 8-10	Engineering of Ice Cream / Food Science	Ages 8-10
Minecraft 3D Animation	Ages 10-14	Makers Space & Math	Ages 8-10
Minecraft Creative - The Engineer in You	Ages 8-13	Minecraft Math	Ages 8-13
Programming - Hopscotch	Ages 8-13	Programming in Python - Introduction	Ages 10-14
Programming in Java - Introduction	Ages 13-15	Shark Tank Entrepreneur	Ages 10-14

Week 7 - August 3 - August 7			
AM (9:00-12:30) - select one AM class for the week.		PM (1:30-5:00) - select one PM class for the week.	
Electrical Engineering with Makey-Makey	Ages 8-13	Engineering and Programming with Arduino	Ages 10-14
Environmental Science / Conservation	Ages 10-14	Forensic Science	Ages 10-14
Minecraft and Chemistry	Ages 10-14	Minecraft and Coding	Ages 10-14
Robotics with VEX IQ	Ages 11-15	Robotics with VEX IQ	Ages 11-15
Video Game Creation Beginner	Ages 8-13	Video Game Creation Advanced	Ages 8-13
Virtual Reality	Ages 10-14	Virtual Reality	Ages 10-14

Week 8 - August 10 - August 14			
AM (9:00-12:30) - select one AM class for the week.		PM (1:30-5:00) - select one PM class for the week.	
Forensic Science	Ages 10-14	Environmental Science / Conservation	Ages 10-14
Investment Literacy and Stock Market Game	Ages 10-14	Green Screen Creativity	Ages 8-13
Minecraft Mini-Games Galore	Ages 8-13	Math Competition Training	Ages 10-14
Programming - Scratch	Ages 7-10	Minecraft Mega Mash-up	Ages 8-13
Robotics with VEX IQ	Ages 11-15	Robotics with VEX IQ	Ages 11-15
Virtual 3D Robot Coding	Ages 10-14	WeDo Robotics	Ages 6-9

<b>BURLINGTON - 2020</b>		<b>Week 3</b>	<b>Week 4</b>	<b>Week 5</b>	<b>Week 6</b>	<b>Week 7</b>	<b>Week 8</b>
<b>(AM = 9:00-12:30 ; PM = 1:30-5:00)</b>		<b>6-Jul</b>	<b>13-Jul</b>	<b>20-Jul</b>	<b>27-Jul</b>	<b>3-Aug</b>	<b>10-Aug</b>
Anatomy and Surgical Techniques Advanced	Ages 10-14			PM			
Anatomy and Surgical Techniques Beginner	Ages 10-14			AM			
App Design Using GameSalad - ios devices	Ages 10-14	AM					
App Design Using GameSalad - ios devices	Ages 10-14				PM		
Chemical Engineering: Polymers & Bioplastics	Ages 8-13	PM	PM				
Civil Engineering - Bridges and Buildings	Ages 8-13	AM	AM				
Comic Creation	Ages 8-13			PM			
Creative Writing Workshop	Ages 8-13	AM					
Drone Programming Beginner	Ages 10-14		AM, PM				
Electrical Engineering with Makey-Makey	Ages 8-13					AM	
Engineering - Flight and Aerospace	Ages 8-10				AM		
Engineering and Programming with Arduino	Ages 10-14					PM	
Engineering of Ice Cream / Food Science	Ages 8-10				PM		
Environmental Science / Conservation	Ages 10-14					AM	PM
Forensic Science	Ages 10-14					PM	AM
Graphic Design and GIMP	Ages 8-13		AM				
Green Screen Creativity	Ages 8-13			AM			PM
Investment Literacy and Stock Market Game	Ages 10-14			PM			AM
Lemonade Stand Entrepreneur	Ages 8-10		PM		AM		
Makers Space & Math	Ages 8-10	AM			PM		
Math Competition Training	Ages 10-14			AM			PM
Minecraft 3D Animation	Ages 10-14	PM			AM		
Minecraft Advanced	Ages 10-14			AM			
Minecraft and Chemistry	Ages 10-14					AM	
Minecraft and Coding	Ages 10-14					PM	
Minecraft Creative - The Engineer in You	Ages 8-13				AM		
Minecraft Math	Ages 8-13				PM		
Minecraft Mega Mash-up	Ages 8-13						PM
Minecraft Mini-Games Galore	Ages 8-13						AM
Minecraft Survival for Beginners	Ages 5-10			PM			
Murder Mystery Creation	Ages 10-14			AM			
Programming - Hopscotch	Ages 8-13	PM			AM		
Programming - Scratch	Ages 7-10			PM			AM
Programming in Java - Introduction	Ages 13-15	PM			AM		
Programming in Python - Introduction	Ages 10-14	AM			PM		
Public Speaking and Youth Leadership	Ages 8-13	PM					
Roblox Game Development	Ages 10-14	PM					
Robotics Lego ® Animals	Ages 9-11	PM	AM				
Robotics Lego ® Vehicles	Ages 9-11	AM	PM				
Robotics with VEX IQ	Ages 11-15					AM, PM	AM, PM
Shark Tank Entrepreneur	Ages 10-14		AM		PM		
Video Game Creation Advanced	Ages 8-13		PM			PM	
Video Game Creation Beginner	Ages 8-13		AM			AM	
Virtual 3D Robot Coding	Ages 10-14			PM			AM
Virtual Reality	Ages 10-14		AM, PM			AM, PM	
Website Design with Wordpress	Ages 8-13		PM				
WeDo Robotics	Ages 6-9			AM			PM
YouTube Video Creation	Ages 8-13	AM					

# SCHEDULES – NJ – CHATHAM 1/3

## CHATHAM 2020 CLASS SCHEDULE

### Week 1 - June 22 - June 26

AM (9:00-12:30) - select one AM class for the week.		PM (1:30-5:00) - select one PM class for the week.	
Anatomy and Surgical Techniques Beginner	Ages 10-14	AdventureQuest- Leadership Games	Ages 5-10
Board Game Play & Design	Ages 11-14	Anatomy and Surgical Techniques Advanced	Ages 10-14
Civil Engineering - Bridges and Buildings	Ages 8-10	Chemical Engineering: Polymers & Bioplastics	Ages 10-14
Comic Creation	Ages 8-13	Drone Programming Advanced	Ages 10-14
Drone Programming Beginner	Ages 10-14	Programming - Hopscotch	Ages 8-13
Minecraft Survival for Beginners	Ages 5-10	Shockingly Sticky Science	Ages 7-10
Programming - Scratch	Ages 7-10	WeDo Robotics	Ages 6-9

### Week 2 - June 29 - July 2 (closed Friday, July 3)

AM (9:00-12:30) - select one AM class for the week.		PM (1:30-5:00) - select one PM class for the week.	
Canvas Painting	Ages 8-13	Arts & Crafts Elevated with Cricut	Ages 8-13
Chefs in Training	Ages 7-10	Creative Writing Workshop	Ages 8-13
Investment Literacy and Stock Market Game	Ages 10-14	Eureka! The Inventors' Camp	Ages 7-10
Minecraft Creative - The Engineer in You	Ages 8-13	Graphic Design and GIMP	Ages 8-13
Programming in Java - Introduction	Ages 13-15	Green Screen Creativity	Ages 8-13
Public Speaking and Youth Leadership	Ages 8-13	Math Competition Training	Ages 10-14
Robotics Lego © Animals	Ages 9-11	Minecraft Survival for Beginners	Ages 5-10
Shockingly Sticky Science	Ages 7-10	Mixed Media Studio Art	Ages 8-13
Virtual 3D Robot Coding	Ages 10-14	Programming in Python - Introduction	Ages 10-14
Website Design with Wordpress	Ages 8-13	Roblox Game Development	Ages 10-14
Youngster - Left Brain Mix	Ages 5-7	Robotics Lego © Vehicles	Ages 9-11
Youngster - Programming with Dash	Ages 5-7	Youngster - Right Brain Mix	Ages 5-7
YouTube Video Creation	Ages 8-13	Youngster - Scratch Junior	Ages 5-7

### Week 3 - July 6 - July 10

AM (9:00-12:30) - select one AM class for the week.		PM (1:30-5:00) - select one PM class for the week.	
Board Game Play & Design	Ages 8-10	Board Game Play & Design	Ages 11-14
Chefs in Training	Ages 7-10	Chess for Intermediate Players	Ages 8-13
Chess for Beginners & other games	Ages 7-10	Crazy Chemworks	Ages 7-10
Detective/Spy Lab	Ages 7-10	Escape Room Creation	Ages 8-13
Fashion Design on the Computer	Ages 8-13	Minecraft Math	Ages 8-13
Film-Making	Ages 8-13	Pre-Architecture	Ages 10-14
Lemonade Stand Entrepreneur	Ages 8-10	Robotics Lego © Animals	Ages 9-11
Minecraft Advanced	Ages 10-14	Shark Tank Entrepreneur	Ages 10-14
Programming - Scratch	Ages 7-10	Stop-Action Animation	Ages 8-13
Robotics Lego © Vehicles	Ages 9-11	Video Game Creation Advanced	Ages 8-13
Video Game Creation Beginner	Ages 8-13	WeDo Robotics	Ages 6-9
War and Peace Games - Game Theory	Ages 10-14	Youngster - Left Brain Mix	Ages 5-7
Youngster - Right Brain Mix	Ages 5-7		

### Week 4 - July 13 - July 17

AM (9:00-12:30) - select one AM class for the week.		PM (1:30-5:00) - select one PM class for the week.	
3D Printing Beginner	Ages 10-14	3D Printing Beginner	Ages 10-14
Action Flix	Ages 8-11	Acapella 101	Ages 8-13
Anatomy and Surgical Techniques Beginner	Ages 10-14	Anatomy and Surgical Techniques Advanced	Ages 10-14
App Design Using GameSalad - ios devices	Ages 10-14	Chefs in Training	Ages 7-10
Arts & Crafts Elevated with Cricut	Ages 8-13	Makers Space & Math	Ages 8-10
Canvas Painting	Ages 8-13	Minecraft Mega Mash-up	Ages 8-13
Minecraft Mini-Games Galore	Ages 8-13	Mixed Media Studio Art	Ages 8-13
Murder Mystery Creation	Ages 10-14	Programming - Hopscotch	Ages 8-13
Programming in Python - Introduction	Ages 10-14	Programming in Java - Introduction	Ages 13-15
Robotics Lego © Animals	Ages 9-11	Robotics Lego © Vehicles	Ages 9-11
Virtual Reality	Ages 10-14	Virtual Reality	Ages 10-14
Youngster - Left Brain Mix	Ages 5-7	Youngster - Programming with Dash	Ages 5-7
Youngster - Scratch Junior	Ages 5-7	Youngster - Right Brain Mix	Ages 5-7

# SCHEDULES – NJ – CHATHAM 2/3

Week 5 - July 20 - July 24			
AM (9:00-12:30) - select one AM class for the week.		PM (1:30-5:00) - select one PM class for the week.	
3D Printing Beginner	Ages 10-14	3D Printing Advanced	Ages 10-14
Chess for Intermediate Players	Ages 8-13	Canvas Painting	Ages 8-13
Crazy Chemworks	Ages 7-10	Chess for Beginners & other games	Ages 7-10
Electrical Engineering with Makey-Makey	Ages 8-13	Detective/Spy Lab	Ages 7-10
Minecraft and Chemistry	Ages 10-14	Engineering and Programming with Arduino	Ages 10-14
Mixed Media Studio Art	Ages 8-13	Green Screen Creativity	Ages 8-13
Robotics with VEX IQ	Ages 11-15	Lemonade Stand Entrepreneur	Ages 8-10
Shark Tank Entrepreneur	Ages 10-14	Minecraft and Coding	Ages 10-14
Virtual 3D Robot Coding	Ages 10-14	Robotics with VEX IQ	Ages 11-15
Virtual Reality	Ages 10-14	Virtual Reality	Ages 10-14
Youngster - Right Brain Mix	Ages 5-7	Youngster - Left Brain Mix	Ages 5-7

Week 6 - July 27 - July 31			
AM (9:00-12:30) - select one AM class for the week.		PM (1:30-5:00) - select one PM class for the week.	
3D Printing Advanced	Ages 10-14	3D Printing Beginner	Ages 10-14
Board Game Play & Design	Ages 11-14	Board Game Play & Design	Ages 8-10
Chess for Beginners & other games	Ages 7-10	Chess for Intermediate Players	Ages 8-13
Drone Programming Beginner	Ages 10-14	Drone Programming Advanced	Ages 10-14
Engineering - Flight and Aerospace	Ages 8-10	Engineering of Ice Cream / Food Science	Ages 8-10
Minecraft Survival for Beginners	Ages 5-10	Film-Making	Ages 8-13
Roblox Game Development	Ages 8-13	Minecraft Advanced	Ages 10-14
Robotics with VEX IQ	Ages 11-15	Robotics with VEX IQ	Ages 11-15
Stop-Action Animation	Ages 8-13	Video Game Creation Beginner	Ages 8-13
Video Game Creation Advanced	Ages 8-13	Youngster - Right Brain Mix	Ages 5-7
Youngster - Left Brain Mix	Ages 5-7	YouTube Video Creation	Ages 10-14

Week 7 - August 3 - August 7			
AM (9:00-12:30) - select one AM class for the week.		PM (1:30-5:00) - select one PM class for the week.	
Arts & Crafts Elevated with Cricut	Ages 8-13	App Design Using GameSalad - ios devices	Ages 10-14
Creative Writing Workshop	Ages 8-13	Chefs in Training	Ages 7-10
Drone Programming Advanced	Ages 10-14	Canvas Painting	Ages 8-13
Environmental Science / Conservation	Ages 10-14	Comic Creation	Ages 8-13
Math Competition Training	Ages 10-14	Drone Programming Beginner	Ages 10-14
Minecraft Math	Ages 8-13	Engineering Discovery Workshop	Ages 7-10
Mixed Media Studio Art	Ages 8-13	Forensic Science	Ages 10-14
Murder Mystery Creation	Ages 10-14	Investment Literacy and Stock Market Game	Ages 10-14
Programming - Hopscotch	Ages 8-13	Minecraft Creative - The Engineer in You	Ages 8-13
Robotics with VEX IQ	Ages 11-15	Programming - Scratch	Ages 7-10
WeDo Robotics	Ages 6-9	Public Speaking and Youth Leadership	Ages 8-13
Wee STEAMers Pre-K Camp	Ages 3-4	Robotics with VEX IQ	Ages 11-15
Youngster - Right Brain Mix	Ages 5-7	Youngster - Left Brain Mix	Ages 5-7

Week 8 - August 10 - August 14			
AM (9:00-12:30) - select one AM class for the week.		PM (1:30-5:00) - select one PM class for the week.	
Action Flix	Ages 8-11	Acapella 101	Ages 8-13
Chess for Beginners & other games	Ages 7-10	AdventureQuest- Leadership Games	Ages 5-10
Civil Engineering - Bridges and Buildings	Ages 8-10	Chemical Engineering: Polymers & Bioplastics	Ages 10-14
Escape Room Creation	Ages 8-13	Chess for Intermediate Players	Ages 8-13
Graphic Design and GIMP	Ages 8-13	Minecraft Mini-Games Galore	Ages 8-13
Minecraft Mega Mash-up	Ages 8-13	Programming in Python - Introduction	Ages 10-14
Programming in Java - Introduction	Ages 13-15	Robotics with VEX IQ	Ages 11-15
Robotics with VEX IQ	Ages 11-15	Video Game Creation Advanced	Ages 8-13
Video Game Creation Beginner	Ages 8-13	War and Peace Games - Game Theory	Ages 10-14
Wee STEAMers Pre-K Camp	Ages 3-4	Website Design with Wordpress	Ages 8-13
Youngster - Left Brain Mix	Ages 5-7	Youngster - Right Brain Mix	Ages 5-7
Youngster - Programming with Dash	Ages 5-7	Youngster - Scratch Junior	Ages 5-7

# SCHEDULES – NJ – CHATHAM 3/3

Week 9 - August 17 - August 21			
AM (9:00-12:30) - select one AM class for the week.		PM (1:30-5:00) - select one PM class for the week.	
3D Printing Advanced	Ages 10-14	3D Printing Beginner	Ages 10-14
Crazy Chemworks	Ages 7-10	Detective/Spy Lab	Ages 7-10
Engineering and Programming with Arduino	Ages 10-14	Electrical Engineering with Makey-Makey	Ages 8-13
Green Screen Creativity	Ages 8-13	Minecraft and Chemistry	Ages 10-14
Lemonade Stand Entrepreneur	Ages 8-10	Shark Tank Entrepreneur	Ages 10-14
Minecraft and Coding	Ages 10-14	Virtual 3D Robot Coding	Ages 10-14
Virtual Reality	Ages 10-14	Virtual Reality	Ages 10-14
Youngster - Left Brain Mix	Ages 5-7	Youngster - Right Brain Mix	Ages 5-7

CHATHAM - 2020		Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9
(AM = 9:00-12:30 ; PM = 1:30-5:00)		22-Jun	29-Jun	6-Jul	13-Jul	20-Jul	27-Jul	3-Aug	10-Aug	17-Aug
3D Printing Advanced	Ages 10-14					PM	AM			AM
3D Printing Beginner	Ages 10-14				AM, PM	AM	PM			PM
Acapella 101	Ages 8-13				PM				PM	
Action Flix	Ages 8-11				AM				AM	
AdventureQuest- Leadership Games	Ages 5-10	PM							PM	
Anatomy and Surgical Techniques Advanced	Ages 10-14	PM			PM					
Anatomy and Surgical Techniques Beginner	Ages 10-14	AM			AM					
App Design Using GameSalad - ios devices	Ages 10-14				AM			PM		
Arts & Crafts Elevated with Cricut	Ages 8-13		PM		AM			AM		
Board Game Play & Design	Ages 11-14	AM		PM			AM			
Board Game Play & Design	Ages 8-10			AM			PM			
Canvas Painting	Ages 8-13		AM		AM	PM		PM		
Chefs in Training	Ages 7-10		AM	AM	PM			PM		
Chemical Engineering: Polymers & Bioplastics	Ages 10-14	PM							PM	
Chess for Beginners & other games	Ages 7-10			AM		PM	AM		AM	
Chess for Intermediate Players	Ages 8-13			PM		AM	PM		PM	
Civil Engineering - Bridges and Buildings	Ages 8-10	AM							AM	
Comic Creation	Ages 8-13	AM						PM		
Crazy Chemworks	Ages 7-10			PM		AM				AM
Creative Writing Workshop	Ages 8-13		PM					AM		
Detective/Spy Lab	Ages 7-10			AM		PM				PM
Drone Programming Advanced	Ages 10-14	PM					PM	AM		
Drone Programming Beginner	Ages 10-14	AM					AM	PM		
Electrical Engineering with Makey-Makey	Ages 8-13					AM				PM
Engineering - Flight and Aerospace	Ages 8-10						AM			
Engineering and Programming with Arduino	Ages 10-14					PM				AM
Engineering Discovery Workshop	Ages 7-10							PM		
Engineering of Ice Cream / Food Science	Ages 8-10						PM			
Environmental Science / Conservation	Ages 10-14							AM		
Escape Room Creation	Ages 8-13			PM					AM	
Eureka! The Inventors' Camp	Ages 7-10		PM							
Fashion Design on the Computer	Ages 8-13			AM						
Film-Making	Ages 8-13			AM			PM			
Forensic Science	Ages 10-14							PM		
Graphic Design and GIMP	Ages 8-13		PM						AM	
Green Screen Creativity	Ages 8-13		PM			PM				AM
Investment Literacy and Stock Market Game	Ages 10-14		AM					PM		
Lemonade Stand Entrepreneur	Ages 8-10			AM		PM				AM
Makers Space & Math	Ages 8-10				PM					
Math Competition Training	Ages 10-14		PM					AM		
Minecraft Advanced	Ages 10-14			AM			PM			
Minecraft and Chemistry	Ages 10-14					AM				PM
Minecraft and Coding	Ages 10-14					PM				AM

CHATHAM - 2020		Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9
(AM = 9:00-12:30 ; PM = 1:30-5:00)		22-Jun	29-Jun	6-Jul	13-Jul	20-Jul	27-Jul	3-Aug	10-Aug	17-Aug
Minecraft Creative - The Engineer in You	Ages 8-13		AM					PM		
Minecraft Math	Ages 8-13			PM				AM		
Minecraft Mega Mash-up	Ages 8-13				PM				AM	
Minecraft Mini-Games Galore	Ages 8-13				AM				PM	
Minecraft Survival for Beginners	Ages 5-10	AM	PM				AM			
Mixed Media Studio Art	Ages 8-13		PM		PM	AM		AM		
Murder Mystery Creation	Ages 10-14				AM			AM		
Pre-Architecture	Ages 10-14			PM						
Programming - Hopscotch	Ages 8-13	PM			PM			AM		
Programming - Scratch	Ages 7-10	AM		AM				PM		
Programming in Java - Introduction	Ages 13-15		AM		PM				AM	
Programming in Python - Introduction	Ages 10-14		PM		AM				PM	
Public Speaking and Youth Leadership	Ages 8-13		AM					PM		
Roblox Game Development	Ages 10-14		PM				AM			
Robotics Lego ® Animals	Ages 9-11		AM	PM	AM					
Robotics Lego ® Vehicles	Ages 9-11		PM	AM	PM					
Robotics with VEX IQ	Ages 11-15					AM, PM	AM, PM	AM, PM	AM, PM	
Shark Tank Entrepreneur	Ages 10-14			PM		AM				PM
Shockingly Sticky Science	Ages 7-10	PM	AM							
Stop-Action Animation	Ages 8-13			PM			AM			
Video Game Creation Advanced	Ages 8-13			PM			AM		PM	
Video Game Creation Beginner	Ages 8-13			AM			PM		AM	
Virtual 3D Robot Coding	Ages 10-14		AM			AM				PM
Virtual Reality	Ages 10-14				AM, PM	AM, PM				AM, PM
War and Peace Games - Game Theory	Ages 10-14			AM					PM	
Website Design with Wordpress	Ages 8-13		AM						PM	
WeDo Robotics	Ages 6-9	PM		PM				AM		
Wee STEAMers Pre-K Camp	Ages 3-4							AM	AM	
Youngster - Left Brain Mix	Ages 5-7		AM	PM	AM	PM	AM	PM	AM	AM
Youngster - Programming with Dash	Ages 5-7		AM		PM				AM	
Youngster - Right Brain Mix	Ages 5-7		PM	AM	PM	AM	PM	AM	PM	PM
Youngster - Scratch Junior	Ages 5-7		PM		AM				PM	
YouTube Video Creation	Ages 8-13		AM				PM			

# SCHEDULES – NJ – CHERRY HILL

## CHERRY HILL 2020 CLASS SCHEDULE

Week 2 - June 29 - July 2 (closed Friday, July 3)			
AM (9:00-12:30) - select one AM class for the week.		PM (1:30-5:00) - select one PM class for the week.	
App Design Using GameSalad - ios devices	Ages 10-14	Chemical Engineering: Polymers & Bioplastics	Ages 8-13
Civil Engineering - Bridges and Buildings	Ages 8-13	Minecraft 3D Animation	Ages 10-14
Creative Writing Workshop	Ages 8-13	Programming - Hopscotch	Ages 8-13
Makers Space & Math	Ages 8-10	Programming in Java - Introduction	Ages 13-15
Programming in Python - Introduction	Ages 10-14	Public Speaking and Youth Leadership	Ages 8-13
Robotics Lego ® Vehicles	Ages 9-11	Roblox Game Development	Ages 10-14
YouTube Video Creation	Ages 8-13	Robotics Lego ® Animals	Ages 9-11

Week 3 - July 6 - July 10			
AM (9:00-12:30) - select one AM class for the week.		PM (1:30-5:00) - select one PM class for the week.	
Civil Engineering - Bridges and Buildings	Ages 8-13	Chemical Engineering: Polymers & Bioplastics	Ages 8-13
Drone Programming Beginner	Ages 10-14	Drone Programming Beginner	Ages 10-14
Graphic Design and GIMP	Ages 8-13	Lemonade Stand Entrepreneur	Ages 8-10
Robotics Lego ® Animals	Ages 9-11	Robotics Lego ® Vehicles	Ages 9-11
Shark Tank Entrepreneur	Ages 10-14	Video Game Creation Advanced	Ages 8-13
Video Game Creation Beginner	Ages 8-13	Virtual Reality	Ages 10-14
Virtual Reality	Ages 10-14	Website Design with Wordpress	Ages 8-13

Week 4 - July 13 - July 17			
AM (9:00-12:30) - select one AM class for the week.		PM (1:30-5:00) - select one PM class for the week.	
Anatomy and Surgical Techniques Beginner	Ages 10-14	Anatomy and Surgical Techniques Advanced	Ages 10-14
Green Screen Creativity	Ages 8-13	Comic Creation	Ages 8-13
Math Competition Training	Ages 10-14	Investment Literacy and Stock Market Game	Ages 10-14
Minecraft Advanced	Ages 10-14	Minecraft Survival for Beginners	Ages 5-10
Murder Mystery Creation	Ages 10-14	Programming - Scratch	Ages 7-10
WeDo Robotics	Ages 6-9	Virtual 3D Robot Coding	Ages 10-14

Week 5 - July 20 - July 24			
AM (9:00-12:30) - select one AM class for the week.		PM (1:30-5:00) - select one PM class for the week.	
Engineering - Flight and Aerospace	Ages 8-10	App Design Using GameSalad - ios devices	Ages 10-14
Lemonade Stand Entrepreneur	Ages 8-10	Engineering of Ice Cream / Food Science	Ages 8-10
Minecraft 3D Animation	Ages 10-14	Makers Space & Math	Ages 8-10
Minecraft Creative - The Engineer in You	Ages 8-13	Minecraft Math	Ages 8-13
Programming - Hopscotch	Ages 8-13	Programming in Python - Introduction	Ages 10-14
Programming in Java - Introduction	Ages 13-15	Shark Tank Entrepreneur	Ages 10-14

Week 6 - July 27 - July 31			
AM (9:00-12:30) - select one AM class for the week.		PM (1:30-5:00) - select one PM class for the week.	
Electrical Engineering with Makey-Makey	Ages 8-13	Engineering and Programming with Arduino	Ages 10-14
Environmental Science / Conservation	Ages 10-14	Forensic Science	Ages 10-14
Minecraft and Chemistry	Ages 10-14	Minecraft and Coding	Ages 10-14
Robotics with VEX IQ	Ages 11-15	Robotics with VEX IQ	Ages 11-15
Video Game Creation Beginner	Ages 8-13	Video Game Creation Advanced	Ages 8-13
Virtual Reality	Ages 10-14	Virtual Reality	Ages 10-14

Week 7 - August 3 - August 7			
AM (9:00-12:30) - select one AM class for the week.		PM (1:30-5:00) - select one PM class for the week.	
Forensic Science	Ages 10-14	Environmental Science / Conservation	Ages 10-14
Investment Literacy and Stock Market Game	Ages 10-14	Green Screen Creativity	Ages 8-13
Minecraft Mini-Games Galore	Ages 8-13	Math Competition Training	Ages 10-14
Programming - Scratch	Ages 7-10	Minecraft Mega Mash-up	Ages 8-13
Robotics with VEX IQ	Ages 11-15	Robotics with VEX IQ	Ages 11-15
Virtual 3D Robot Coding	Ages 10-14	WeDo Robotics	Ages 6-9

CHERRY HILL - 2020		Week 2	Week 3	Week 4	Week 5	Week 6	Week 7
(AM = 9:00-12:30 ; PM = 1:30-5:00)		29-Jun	6-Jul	13-Jul	20-Jul	27-Jul	3-Aug
Anatomy and Surgical Techniques Advanced	Ages 10-14			PM			
Anatomy and Surgical Techniques Beginner	Ages 10-14			AM			
App Design Using GameSalad - ios devices	Ages 10-14	AM			PM		
Chemical Engineering: Polymers & Bioplastics	Ages 8-13	PM	PM				
Civil Engineering - Bridges and Buildings	Ages 8-13	AM	AM				
Comic Creation	Ages 8-13			PM			
Creative Writing Workshop	Ages 8-13	AM					
Drone Programming Beginner	Ages 10-14		AM, PM				
Electrical Engineering with Makey-Makey	Ages 8-13					AM	
Engineering - Flight and Aerospace	Ages 8-10				AM		
Engineering and Programming with Arduino	Ages 10-14					PM	
Engineering of Ice Cream / Food Science	Ages 8-10				PM		
Environmental Science / Conservation	Ages 10-14				AM	PM	
Forensic Science	Ages 10-14					PM	AM
Graphic Design and GIMP	Ages 8-13		AM				
Green Screen Creativity	Ages 8-13			AM			PM
Investment Literacy and Stock Market Game	Ages 10-14			PM			AM
Lemonade Stand Entrepreneur	Ages 8-10		PM		AM		
Makers Space & Math	Ages 8-10	AM			PM		
Math Competition Training	Ages 10-14			AM			PM
Minecraft 3D Animation	Ages 10-14	PM			AM		
Minecraft Advanced	Ages 10-14			AM			
Minecraft and Chemistry	Ages 10-14					AM	
Minecraft and Coding	Ages 10-14					PM	
Minecraft Creative - The Engineer in You	Ages 8-13				AM		
Minecraft Math	Ages 8-13				PM		
Minecraft Mega Mash-up	Ages 8-13						PM
Minecraft Mini-Games Galore	Ages 8-13						AM
Minecraft Survival for Beginners	Ages 5-10			PM			
Murder Mystery Creation	Ages 10-14			AM			
Programming - Hopscotch	Ages 8-13	PM			AM		
Programming - Scratch	Ages 7-10			PM			AM
Programming in Java - Introduction	Ages 13-15	PM			AM		
Programming in Python - Introduction	Ages 10-14	AM			PM		
Public Speaking and Youth Leadership	Ages 8-13	PM					
Roblox Game Development	Ages 10-14	PM					
Robotics Lego® Animals	Ages 9-11	PM	AM				
Robotics Lego® Vehicles	Ages 9-11	AM	PM				
Robotics with VEX IQ	Ages 11-15					AM, PM	AM, PM
Shark Tank Entrepreneur	Ages 10-14		AM		PM		
Video Game Creation Advanced	Ages 8-13		PM			PM	
Video Game Creation Beginner	Ages 8-13		AM			AM	
Video Game Creation Beginner	Ages 8-13						
Virtual 3D Robot Coding	Ages 10-14						AM
Virtual Reality	Ages 10-14		AM, PM			AM, PM	
Website Design with Wordpress	Ages 8-13		PM				
WeDo Robotics	Ages 6-9			AM			PM
YouTube Video Creation	Ages 8-13	AM					

# SCHEDULES – NJ – HILLSDALE 1/2

## HILLSDALE 2020 CLASS SCHEDULE

### Week 3 - July 6 - July 10

AM (9:00-12:30) - select one AM class for the week.		PM (1:30-5:00) - select one PM class for the week.	
App Design Using GameSalad - ios devices	Ages 10-14	Drone Programming Beginner	Ages 10-14
Drone Programming Beginner	Ages 10-14	Environmental Science / Conservation	Ages 10-14
Forensic Science	Ages 10-14	Minecraft Survival for Beginners	Ages 5-10
Graphic Design and GIMP	Ages 8-13	Programming - Hopscotch	Ages 8-13
Minecraft Advanced	Ages 10-14	Robotics with VEX IQ	Ages 11-15
Robotics with VEX IQ	Ages 11-15	Website Design with Wordpress	Ages 8-13
Youngster - Programming with Dash	Ages 5-7	Youngster - Scratch Junior	Ages 5-7

### Week 4 - July 13 - July 17

AM (9:00-12:30) - select one AM class for the week.		PM (1:30-5:00) - select one PM class for the week.	
Anatomy and Surgical Techniques Advanced	Ages 10-14	Anatomy and Surgical Techniques Beginner	Ages 10-14
Creative Writing Workshop	Ages 8-13	Comic Creation	Ages 8-13
Minecraft Creative - The Engineer in You	Ages 8-13	Minecraft Math	Ages 8-13
Murder Mystery Creation	Ages 10-14	Public Speaking and Youth Leadership	Ages 8-13
Programming - Scratch	Ages 7-10	Robotics with VEX IQ	Ages 11-15
Robotics with VEX IQ	Ages 11-15	Video Game Creation Advanced	Ages 8-13
Video Game Creation Beginner	Ages 8-13	Virtual Reality	Ages 10-14
Virtual Reality	Ages 10-14	WeDo Robotics	Ages 6-9
Youngster - Right Brain Mix	Ages 5-7	Youngster - Left Brain Mix	Ages 5-7

### Week 5 - July 20 - July 24

AM (9:00-12:30) - select one AM class for the week.		PM (1:30-5:00) - select one PM class for the week.	
3D Printing Beginner	Ages 10-14	3D Printing Beginner	Ages 10-14
Green Screen Creativity	Ages 8-13	Eureka! The Inventors' Camp	Ages 7-10
Investment Literacy and Stock Market Game	Ages 10-14	Makers Space & Math	Ages 8-10
Minecraft 3D Animation	Ages 10-14	Math Competition Training	Ages 10-14
Minecraft and Chemistry	Ages 10-14	Minecraft and Coding	Ages 10-14
Programming in Java - Introduction	Ages 13-15	Programming in Python - Introduction	Ages 10-14
Robotics Lego © Vehicles	Ages 9-11	Robotics Lego © Animals	Ages 9-11
Shockingly Sticky Science	Ages 7-10	Virtual 3D Robot Coding	Ages 10-14
Youngster - Left Brain Mix	Ages 5-7	Youngster - Right Brain Mix	Ages 5-7

### Week 6 - July 27 - July 31

AM (9:00-12:30) - select one AM class for the week.		PM (1:30-5:00) - select one PM class for the week.	
3D Printing Beginner	Ages 10-14	3D Printing Beginner	Ages 10-14
Chemical Engineering: Polymers & Bioplastics	Ages 8-13	App Design Using GameSalad - ios devices	Ages 10-14
Lemonade Stand Entrepreneur	Ages 8-10	Civil Engineering - Bridges and Buildings	Ages 8-13
Minecraft Mini-Games Galore	Ages 8-13	Minecraft Mega Mash-up	Ages 8-13
Programming - Hopscotch	Ages 8-13	Robotics Lego © Vehicles	Ages 9-11
Robotics Lego © Animals	Ages 9-11	Shark Tank Entrepreneur	Ages 10-14
Youngster - Scratch Junior	Ages 5-7	Youngster - Programming with Dash	Ages 5-7

## SCHEDULES – NJ – HILLSDALE 2/2

Week 7 - August 3 - August 7			
AM (9:00-12:30) - select one AM class for the week.		PM (1:30-5:00) - select one PM class for the week.	
Detective/Spy Lab	Ages 7-10	Crazy Chemworks	Ages 7-10
Graphic Design and GIMP	Ages 8-13	Minecraft Advanced	Ages 10-14
Minecraft Survival for Beginners	Ages 5-10	Programming - Scratch	Ages 7-10
Video Game Creation Beginner	Ages 8-13	Video Game Creation Advanced	Ages 8-13
Virtual Reality	Ages 10-14	Virtual Reality	Ages 10-14
WeDo Robotics	Ages 6-9	Website Design with Wordpress	Ages 8-13
Youngster - Right Brain Mix	Ages 5-7	Youngster - Left Brain Mix	Ages 5-7

Week 8 - August 10 - August 14			
AM (9:00-12:30) - select one AM class for the week.		PM (1:30-5:00) - select one PM class for the week.	
Electrical Engineering with Makey-Makey	Ages 8-13	Engineering - Flight and Aerospace	Ages 8-10
Engineering of Ice Cream / Food Science	Ages 8-10	Engineering and Programming with Arduino	Ages 10-14
Escape Room Creation	Ages 8-13	Green Screen Creativity	Ages 8-13
Makers Space & Math	Ages 8-10	Minecraft 3D Animation	Ages 10-14
Minecraft Math	Ages 8-13	Minecraft Creative - The Engineer in You	Ages 8-13
Virtual 3D Robot Coding	Ages 10-14	Roblox Game Development	Ages 10-14
Youngster - Left Brain Mix	Ages 5-7	War and Peace Games - Game Theory	Ages 10-14
YouTube Video Creation	Ages 8-13	Youngster - Right Brain Mix	Ages 5-7

HILLSDALE - 2020 (AM = 9:00-12:30 ; PM = 1:30-5:00)		Week 3	Week 4	Week 5	Week 6	Week 7	Week 8
		6-Jul	13-Jul	20-Jul	27-Jul	3-Aug	10-Aug
3D Printing Beginner	Ages 10-14			AM, PM	AM, PM		
Anatomy and Surgical Techniques Advanced	Ages 10-14		AM, PM				
App Design Using GameSalad - ios devices	Ages 10-14	AM			PM		
Chemical Engineering: Polymers & Bioplastics	Ages 8-13				AM		
Civil Engineering - Bridges and Buildings	Ages 8-13				PM		
Comic Creation	Ages 8-13		PM				
Crazy Chemworks	Ages 7-10					PM	
Creative Writing Workshop	Ages 8-13		AM				
Detective/Spy Lab	Ages 7-10					AM	
Drone Programming Beginner	Ages 10-14	AM, PM					
Electrical Engineering with Makey-Makey	Ages 8-13						AM
Engineering - Flight and Aerospace	Ages 8-10						PM
Engineering and Programming with Arduino	Ages 10-14						PM
Engineering of Ice Cream / Food Science	Ages 8-10						AM
Environmental Science / Conservation	Ages 10-14	PM					
Escape Room Creation	Ages 8-13						AM
Eureka! The Inventors' Camp	Ages 7-10			PM			
Forensic Science	Ages 10-14	AM					
Graphic Design and GIMP	Ages 8-13	AM				AM	
Green Screen Creativity	Ages 8-13			AM			PM
Investment Literacy and Stock Market Game	Ages 10-14			AM			
Lemonade Stand Entrepreneur	Ages 8-10						
Makers Space & Math	Ages 8-10				AM		
Makers Space & Math	Ages 8-10			PM			AM
Minecraft 3D Animation	Ages 10-14			AM			PM
Minecraft Advanced	Ages 10-14	AM				PM	
Minecraft and Chemistry	Ages 10-14			AM			
Minecraft and Coding	Ages 10-14			PM			
Minecraft Creative - The Engineer in You	Ages 8-13		AM				PM
Minecraft Math	Ages 8-13		PM				AM
Minecraft Mega Mash-up	Ages 8-13				PM		
Minecraft Mini-Games Galore	Ages 8-13				AM		
Minecraft Survival for Beginners	Ages 5-10	PM				AM	
Murder Mystery Creation	Ages 10-14		AM				
Programming - Hopscotch	Ages 8-13	PM			AM		
Programming - Scratch	Ages 7-10		AM			PM	
Programming in Java - Introduction	Ages 13-15			AM			
Programming in Python - Introduction	Ages 10-14			PM			
Public Speaking and Youth Leadership	Ages 8-13		PM				
Roblox Game Development	Ages 10-14						PM
Robotics Lego @ Animals	Ages 9-11			PM	AM		
Robotics Lego @ Vehicles	Ages 9-11			AM	PM		
Robotics with VEX IQ	Ages 11-15	AM, PM	AM, PM				
Shark Tank Entrepreneur	Ages 10-14				PM		
Shockingly Sticky Science	Ages 7-10			AM			
Video Game Creation Advanced	Ages 8-13		PM			PM	
Video Game Creation Beginner	Ages 8-13		AM			AM	
Virtual 3D Robot Coding	Ages 10-14			PM			AM
Virtual Reality	Ages 10-14		AM, PM			AM, PM	
War and Peace Games - Game Theory	Ages 10-14						PM
Website Design with Wordpress	Ages 8-13	PM				PM	
WeDo Robotics	Ages 6-9		PM			AM	
Youngster - Left Brain Mix	Ages 5-7		PM	AM		PM	AM
Youngster - Programming with Dash	Ages 5-7	AM			PM		
Youngster - Right Brain Mix	Ages 5-7		AM	PM		AM	PM
Youngster - Scratch Junior	Ages 5-7	PM			AM		
YouTube Video Creation	Ages 8-13						AM

# SCHEDULES – NJ – JERSEY CITY 1/1

## JERSEY CITY, NJ 2020 CLASS SCHEDULE

Week 4 - July 13 - July 17			
AM (9:00-12:30) - select one AM class for the week.		PM (1:30-5:00) - select one PM class for the week.	
3D Printing Beginner	Ages 10-14	3D Printing Beginner	Ages 10-14
Board Game Play & Design	Ages 8-11	Action Flix	Ages 8-11
Lego Flix	Ages 8-11	Programming - Scratch	Ages 8-11
Programming in Python - Introduction	Ages 12-14	Robotics with VEX IQ	Ages 11-15
Robotics with VEX IQ	Ages 11-15	Board Game Play & Design	Ages 11-14

Week 5 - July 20 - July 24			
AM (9:00-12:30) - select one AM class for the week.		PM (1:30-5:00) - select one PM class for the week.	
Public Speaking and Youth Leadership	Ages 10-12	Creative Writing Workshop	Ages 10-12
Robotics with VEX IQ	Ages 11-15	Film-Making	Ages 8-11
Stop-Action Animation	Ages 8-13	Graphic Design and GIMP	Ages 10-13
Virtual Reality	Ages 10-14	Robotics with VEX IQ	Ages 11-15
Website Design with Wordpress	Ages 8-13	Virtual Reality	Ages 10-14

Week 6 - July 27 - July 31			
AM (9:00-12:30) - select one AM class for the week.		PM (1:30-5:00) - select one PM class for the week.	
3D Printing Beginner	Ages 10-14	3D Printing Advanced	Ages 10-14
Action Flix	Ages 8-11	Lego Flix	Ages 8-11
Investment Literacy and Stock Market Game	Ages 10-14	Math Competition Training	Ages 10-14
Programming - Scratch	Ages 8-11	Programming in Python - Introduction	Ages 12-14
Roblox Game Development	Ages 10-12	YouTube Video Creation	Ages 10-14

Week 7 - August 3 - August 7			
AM (9:00-12:30) - select one AM class for the week.		PM (1:30-5:00) - select one PM class for the week.	
Film-Making	Ages 8-11	Roblox Game Development	Ages 10-12
Graphic Design and GIMP	Ages 10-14	Shark Tank Entrepreneur	Ages 10-14
Lemonade Stand Entrepreneur	Ages 8-11	Stop-Action Animation	Ages 8-11
Virtual Reality	Ages 10-14	Virtual Reality	Ages 10-14
YouTube Video Creation	Ages 10-14	Website Design with Wordpress	Ages 8-13

All classes are capped at 12 students. Registration is based on first-come, first-serve basis.

<b>JERSEY CITY - 2020</b>		<b>Week 4</b>	<b>Week 5</b>	<b>Week 6</b>	<b>Week 7</b>
<b>(AM = 9:00-12:30 ; PM = 1:30-5:00)</b>		<b>13-Jul</b>	<b>20-Jul</b>	<b>27-Jul</b>	<b>3-Aug</b>
3D Printing Advanced	Ages 10-14			PM	
3D Printing Beginner	Ages 10-14	AM, PM		AM	
Action Flix	Ages 8-11	PM		AM	
Board Game Play & Design	Ages 8-11	AM			
Board Game Play & Design	Ages 11-14	PM			
Creative Writing Workshop	Ages 10-12		PM		
Film-Making	Ages 8-11		PM		AM
Graphic Design and GIMP	Ages 8-13		PM		AM
Investment Literacy and Stock Market Game	Ages 10-14			AM	
Lego Flix	Ages 8-11	AM			
Lego Flix	Ages 8-11			PM	
Lemonade Stand Entrepreneur	Ages 8-11				AM
Math Competition Training	Ages 10-14			PM	
Programming - Scratch	Ages 8-11	PM		AM	
Programming in Python - Introduction	Ages 12-14	AM		PM	
Public Speaking and Youth Leadership	Ages 10-12		AM		
Roblox Game Development	Ages 10-12			AM	PM
Robotics with VEX IQ	Ages 11-15	AM, PM	AM, PM		
Shark Tank Entrepreneur	Ages 10-14				PM
Stop-Action Animation	Ages 8-13		AM		PM
Virtual Reality	Ages 10-14		AM, PM		AM, PM
Website Design with Wordpress	Ages 8-13		AM		PM
YouTube Video Creation	Ages 10-14			PM	AM

## SCHEDULES – NJ – LIVINGSTON

### LIVINGSTON 2020 CLASS SCHEDULE

#### Week 7 - August 3 - August 7

AM (9:00-12:30) - select one AM class for the week.		PM (1:30-5:00) - select one PM class for the week.	
Detective/Spy Lab	Ages 7-10	Crazy Chemworks	Ages 7-10
Electrical Engineering with Makey-Makey	Ages 8-13	Engineering and Programming with Arduino	Ages 10-14
Makers Space & Math	Ages 8-10	Green Screen Creativity	Ages 8-13
Minecraft and Coding	Ages 10-14	Minecraft 3D Animation	Ages 10-14
Virtual 3D Robot Coding	Ages 10-14	Minecraft and Chemistry	Ages 10-14
Youngster - Programming with Dash	Ages 5-7	Youngster - Scratch Junior	Ages 5-7

#### Week 8 - August 10 - August 14

AM (9:00-12:30) - select one AM class for the week.		PM (1:30-5:00) - select one PM class for the week.	
3D Printing Advanced	Ages 10-14	3D Printing Beginner	Ages 10-14
Creative Writing Workshop	Ages 8-13	Canvas Painting	Ages 8-13
Engineering - Flight and Aerospace	Ages 8-10	Engineering of Ice Cream / Food Science	Ages 8-10
Math Competition Training	Ages 10-14	Investment Literacy and Stock Market Games	Ages 10-14
Minecraft and Coding	Ages 10-14	Minecraft and Chemistry	Ages 10-14
Mixed Media Studio Art	Ages 8-13	Programming - Scratch	Ages 7-10
Robotics Lego ® Vehicles	Ages 9-11	Public Speaking and Youth Leadership	Ages 8-13
Video Game Creation Advanced	Ages 8-13	Robotics Lego ® Animals	Ages 9-11
Virtual Reality	Ages 10-14	Video Game Creation Beginner	Ages 8-13
WeDo Robotics	Ages 6-9	Virtual Reality	Ages 10-14

#### Week 9 - August 17 - August 21

AM (9:00-12:30) - select one AM class for the week.		PM (1:30-5:00) - select one PM class for the week.	
Anatomy and Surgical Techniques Beginner	Ages 10-14	Anatomy and Surgical Techniques Advanced	Ages 10-14
Escape Room Creation	Ages 8-13	App Design Using GameSalad - ios devices	Ages 10-14
Eureka! The Inventors' Camp	Ages 7-10	Canvas Painting	Ages 8-13
Film-Making	Ages 8-13	Minecraft Math	Ages 8-13
Graphic Design and GIMP	Ages 8-13	Shockingly Sticky Science	Ages 7-10
Minecraft Creative - The Engineer in You	Ages 8-13	Stop-Action Animation	Ages 8-13
Mixed Media Studio Art	Ages 8-13	Video Game Creation Advanced	Ages 8-13
Programming - Hopscotch	Ages 8-13	War and Peace Games - Game Theory	Ages 10-14
Programming - Scratch	Ages 7-10	Website Design with Wordpress	Ages 8-13
Video Game Creation Beginner	Ages 8-13	WeDo Robotics	Ages 6-9

<b>LIVINGSTON - 2020</b>		<b>Week 7</b>	<b>Week 8</b>	<b>Week 9</b>
(AM = 9:00-12:30 ; PM = 1:30-5:00)		<b>3-Aug</b>	<b>10-Aug</b>	<b>17-Aug</b>
3D Printing Advanced	Ages 10-14		AM	
3D Printing Beginner	Ages 10-14		PM	
Anatomy and Surgical Techniques Advanced	Ages 10-14			PM
Anatomy and Surgical Techniques Beginner	Ages 10-14			AM
App Design Using GameSalad - ios devices	Ages 10-14			PM
Canvas Painting	Ages 8-13		AM	PM
Crazy Chemworks	Ages 7-10	PM		
Creative Writing Workshop	Ages 8-13		AM	
Detective/Spy Lab	Ages 7-10	AM		
Electrical Engineering with Makey-Makey	Ages 8-13	AM		
Engineering - Flight and Aerospace	Ages 8-10		AM	
Engineering and Programming with Arduino	Ages 10-14	PM		
Engineering of Ice Cream / Food Science	Ages 8-10		PM	
Escape Room Creation	Ages 8-13			AM
Eureka! The Inventors' Camp	Ages 7-10			AM
Film-Making	Ages 8-13			AM
Graphic Design and GIMP	Ages 8-13			AM
Green Screen Creativity	Ages 8-13	PM		
Investment Literacy and Stock Market Game	Ages 10-14		PM	
Makers Space & Math	Ages 8-10	AM		
Math Competition Training	Ages 10-14		AM	
Minecraft 3D Animation	Ages 10-14	PM		
Minecraft and Chemistry	Ages 10-14	PM	PM	
Minecraft and Coding	Ages 10-14	AM	AM	
Minecraft Creative - The Engineer in You	Ages 8-13			AM
Minecraft Math	Ages 8-13			PM
Mixed Media Studio Art	Ages 8-13		AM	AM
Programming - Hopscotch	Ages 8-13			AM
Programming - Scratch	Ages 7-10		PM	AM
Public Speaking and Youth Leadership	Ages 8-13		PM	
Robotics Lego® Animals	Ages 9-11		PM	
Robotics Lego® Vehicles	Ages 9-11		AM	
Shockingly Sticky Science	Ages 7-10			PM
Stop-Action Animation	Ages 8-13			PM
Video Game Creation Advanced	Ages 8-13		AM	PM
Video Game Creation Beginner	Ages 8-13		PM	AM
Virtual 3D Robot Coding	Ages 10-14	AM		
Virtual Reality	Ages 10-14		AM, PM	
War and Peace Games - Game Theory	Ages 10-14			PM
Website Design with Wordpress	Ages 8-13			PM
WeDo Robotics	Ages 6-9		AM	PM
Youngster - Programming with Dash	Ages 5-7	AM		
Youngster - Scratch Junior	Ages 5-7		PM	

# SCHEDULES – NJ – MONTCLAIR

## MONTCLAIR 2020 CLASS SCHEDULE

### Week 3 - July 6 - July 10

AM (9:00-12:30) - select one AM class for the week.		PM (1:30-5:00) - select one PM class for the week.	
Civil Engineering - Bridges and Buildings	Ages 8-10	Chemical Engineering: Polymers & Bioplastics	Ages 10-14
Investment Literacy and Stock Market Game	Ages 10-14	Graphic Design and GIMP	Ages 8-13
Minecraft and Chemistry	Ages 10-14	Green Screen Creativity	Ages 8-13
Virtual 3D Robot Coding	Ages 10-14	Math Competition Training	Ages 10-14
Virtual Reality	Ages 10-14	Minecraft and Coding	Ages 10-14
Website Design with Wordpress	Ages 8-13	Virtual Reality	Ages 10-14

### Week 4 - July 13 - July 17

AM (9:00-12:30) - select one AM class for the week.		PM (1:30-5:00) - select one PM class for the week.	
App Design Using GameSalad - ios devices	Ages 10-14	Comic Creation	Ages 8-13
Environmental Science / Conservation	Ages 10-14	Creative Writing Workshop	Ages 8-13
Minecraft 3D Animation	Ages 10-14	Eureka! The Inventors' Camp	Ages 7-10
Minecraft Advanced	Ages 10-14	Forensic Science	Ages 10-14
Public Speaking and Youth Leadership	Ages 8-13	Minecraft Survival for Beginners	Ages 5-10
Shockingly Sticky Science	Ages 7-10	Programming - Hopscotch	Ages 8-13
YouTube Video Creation	Ages 8-13	Roblox Game Development	Ages 10-14

### Week 5 - July 20 - July 24

AM (9:00-12:30) - select one AM class for the week.		PM (1:30-5:00) - select one PM class for the week.	
Detective/Spy Lab	Ages 7-10	Crazy Chemworks	Ages 7-10
Film-Making	Ages 8-13	Escape Room Creation	Ages 8-13
Minecraft Creative - The Engineer in You	Ages 8-13	Minecraft Math	Ages 8-13
Programming - Scratch	Ages 7-10	Stop-Action Animation	Ages 8-13
Video Game Creation Beginner	Ages 8-13	Video Game Creation Advanced	Ages 8-13
War and Peace Games - Game Theory	Ages 10-14	WeDo Robotics	Ages 6-9

### Week 6 - July 27 - July 31

AM (9:00-12:30) - select one AM class for the week.		PM (1:30-5:00) - select one PM class for the week.	
Anatomy and Surgical Techniques Beginner	Ages 10-14	Anatomy and Surgical Techniques Advanced	Ages 10-14
App Design Using GameSalad - ios devices	Ages 10-14	Investment Literacy and Stock Market Game	Ages 10-14
Fashion Design on the Computer	Ages 8-13	Minecraft Mega Mash-up	Ages 8-13
Math Competition Training	Ages 10-14	Pre-Architecture	Ages 10-14
Minecraft Mini-Games Galore	Ages 8-13	Programming - Hopscotch	Ages 8-13
Programming in Python - Introduction	Ages 10-14	Programming in Java - Introduction	Ages 13-15

MONTCLAIR - 2020 (AM = 9:00-12:30 ; PM = 1:30-5:00)		Week 3	Week 4	Week 5	Week 6
		6-Jul	13-Jul	20-Jul	27-Jul
Anatomy and Surgical Techniques Advanced	Ages 10-14				PM
Anatomy and Surgical Techniques Beginner	Ages 10-14				AM
App Design Using GameSalad - ios devices	Ages 10-14		AM		AM
Chemical Engineering: Polymers & Bioplastics	Ages 10-14	PM			
Civil Engineering - Bridges and Buildings	Ages 8-10	AM			
Comic Creation	Ages 8-13		PM		
Crazy Chemworks	Ages 7-10			PM	
Creative Writing Workshop	Ages 8-13		PM		
Detective/Spy Lab	Ages 7-10			AM	
Environmental Science / Conservation	Ages 10-14		AM		
Escape Room Creation	Ages 8-13			PM	
Eureka! The Inventors' Camp	Ages 7-10		PM		
Fashion Design on the Computer	Ages 8-13				AM
Film-Making	Ages 8-13			AM	
Forensic Science	Ages 10-14		PM		
Graphic Design and GIMP	Ages 8-13	PM			
Green Screen Creativity	Ages 8-13	PM			
Investment Literacy and Stock Market Game	Ages 10-14	AM			PM
Math Competition Training	Ages 10-14	PM			AM
Minecraft 3D Animation	Ages 10-14		AM		
Minecraft Advanced	Ages 10-14		AM		
Minecraft and Chemistry	Ages 10-14	AM			
Minecraft and Coding	Ages 10-14	PM			
Minecraft Creative - The Engineer in You	Ages 8-13			AM	
Minecraft Math	Ages 8-13			PM	
Minecraft Mega Mash-up	Ages 8-13				PM
Minecraft Mini-Games Galore	Ages 8-13				AM
Minecraft Survival for Beginners	Ages 5-10		PM		
Pre-Architecture	Ages 10-14				PM
Programming - Hopscotch	Ages 8-13		PM		PM
Programming - Scratch	Ages 7-10			AM	
Programming in Java - Introduction	Ages 13-15				PM
Programming in Python - Introduction	Ages 10-14				AM
Public Speaking and Youth Leadership	Ages 8-13		AM		
Roblox Game Development	Ages 10-14		PM		
Shockingly Sticky Science	Ages 7-10		AM		
Stop-Action Animation	Ages 8-13			PM	
Video Game Creation Advanced	Ages 8-13			PM	
Video Game Creation Beginner	Ages 8-13			AM	
Virtual 3D Robot Coding	Ages 10-14	AM			
Virtual Reality	Ages 10-14	AM, PM			
War and Peace Games - Game Theory	Ages 10-14			AM	
Website Design with Wordpress	Ages 8-13	AM			
WeDo Robotics	Ages 6-9			PM	
YouTube Video Creation	Ages 8-13		AM		

# SCHEDULES – NJ – OAKLAND 1/2

## OAKLAND 2020 CLASS SCHEDULE

### Week 3 - July 6 - July 10

AM (9:00-12:30) - select one AM class for the week.		PM (1:30-5:00) - select one PM class for the week.	
3D Printing Beginner	Ages 10-14	3D Printing Beginner	Ages 10-14
Anatomy and Surgical Techniques Advanced	Ages 10-14	Anatomy and Surgical Techniques Beginner	Ages 10-14
Creative Writing Workshop	Ages 8-13	Makers Space & Math	Ages 8-10
Minecraft 3D Animation	Ages 10-14	Minecraft Math	Ages 8-13
Minecraft Creative - The Engineer in You	Ages 8-13	Public Speaking and Youth Leadership	Ages 8-13
Programming - Scratch	Ages 7-10	Robotics Lego ® Animals	Ages 9-11
Robotics Lego ® Vehicles	Ages 9-11	Video Game Creation Advanced	Ages 8-13
Video Game Creation Beginner	Ages 8-13	WeDo Robotics	Ages 6-9

### Week 4 - July 13 - July 17

AM (9:00-12:30) - select one AM class for the week.		PM (1:30-5:00) - select one PM class for the week.	
3D Printing Beginner	Ages 10-14	3D Printing Beginner	Ages 10-14
Green Screen Creativity	Ages 8-13	Eureka! The Inventors' Camp	Ages 7-10
Investment Literacy and Stock Market Game	Ages 10-14	Math Competition Training	Ages 10-14
Minecraft and Chemistry	Ages 10-14	Minecraft and Coding	Ages 10-14
Programming in Java - Introduction	Ages 13-15	Programming in Python - Introduction	Ages 10-14
Robotics Lego ® Animals	Ages 9-11	Robotics Lego ® Vehicles	Ages 9-11
Shockingly Sticky Science	Ages 7-10	Virtual 3D Robot Coding	Ages 10-14
Youngster - Programming with Dash	Ages 5-7	Youngster - Scratch Junior	Ages 5-7

### Week 5 - July 20 - July 24

AM (9:00-12:30) - select one AM class for the week.		PM (1:30-5:00) - select one PM class for the week.	
Chemical Engineering: Polymers & Bioplastics	Ages 8-13	App Design Using GameSalad - ios devices	Ages 10-14
Drone Programming Beginner	Ages 10-14	Civil Engineering - Bridges and Buildings	Ages 8-13
Minecraft Advanced	Ages 10-14	Comic Creation	Ages 8-13
Murder Mystery Creation	Ages 10-14	Drone Programming Beginner	Ages 10-14
Programming - Hopscotch	Ages 8-13	Minecraft Survival for Beginners	Ages 5-10
Youngster - Scratch Junior	Ages 5-7	Youngster - Programming with Dash	Ages 5-7

### Week 6 - July 27 - July 31

AM (9:00-12:30) - select one AM class for the week.		PM (1:30-5:00) - select one PM class for the week.	
Detective/Spy Lab	Ages 7-10	Crazy Chemworks	Ages 7-10
Graphic Design and GIMP	Ages 8-13	Minecraft Math	Ages 8-13
Minecraft Creative - The Engineer in You	Ages 8-13	Programming - Scratch	Ages 7-10
Video Game Creation Beginner	Ages 8-13	Video Game Creation Advanced	Ages 8-13
Virtual Reality	Ages 10-14	Virtual Reality	Ages 10-14
WeDo Robotics	Ages 6-9	Website Design with Wordpress	Ages 8-13

### Week 7 - August 3 - August 7

AM (9:00-12:30) - select one AM class for the week.		PM (1:30-5:00) - select one PM class for the week.	
Anatomy and Surgical Techniques Beginner	Ages 10-14	Anatomy and Surgical Techniques Advanced	Ages 10-14
Electrical Engineering with Makey-Makey	Ages 8-13	Engineering - Flight and Aerospace	Ages 8-10
Engineering of Ice Cream / Food Science	Ages 8-10	Engineering and Programming with Arduino	Ages 10-14
Escape Room Creation	Ages 8-13	Green Screen Creativity	Ages 8-13
Makers Space & Math	Ages 8-10	Minecraft 3D Animation	Ages 10-14
Minecraft and Chemistry	Ages 10-14	Minecraft and Coding	Ages 10-14
Robotics with VEX IQ	Ages 11-15	Roblox Game Development	Ages 10-14
Virtual 3D Robot Coding	Ages 10-14	Robotics with VEX IQ	Ages 11-15
YouTube Video Creation	Ages 8-13	War and Peace Games - Game Theory	Ages 10-14

## SCHEDULES – NJ – OAKLAND 2/2

Week 8 - August 10 - August 14			
AM (9:00-12:30) - select one AM class for the week.		PM (1:30-5:00) - select one PM class for the week.	
App Design Using GameSalad - ios devices	Ages 10-14	Environmental Science / Conservation	Ages 10-14
Forensic Science	Ages 10-14	Minecraft Mega Mash-up	Ages 8-13
Lemonade Stand Entrepreneur	Ages 8-10	Programming - Hopscotch	Ages 8-13
Minecraft Mini-Games Galore	Ages 8-13	Robotics with VEX IQ	Ages 11-15
Robotics with VEX IQ	Ages 11-15	Shark Tank Entrepreneur	Ages 10-14
Virtual Reality	Ages 10-14	Virtual Reality	Ages 10-14

OAKLAND - 2020 (AM = 9:00-12:30 ; PM = 1:30-5:00)		Week 3	Week 4	Week 5	Week 6	Week 7	Week 8
		6-Jul	13-Jul	20-Jul	27-Jul	3-Aug	10-Aug
3D Printing Beginner	Ages 10-14	AM, PM	AM, PM				
Anatomy and Surgical Techniques Advanced	Ages 10-14	AM				PM	
Anatomy and Surgical Techniques Beginner	Ages 10-14	PM				AM	
App Design Using GameSalad - ios devices	Ages 10-14			PM			AM
Chemical Engineering: Polymers & Bioplastics	Ages 8-13			AM			
Civil Engineering - Bridges and Buildings	Ages 8-13			PM			
Comic Creation	Ages 8-13			PM			
Crazy Chemworks	Ages 7-10				PM		
Creative Writing Workshop	Ages 8-13	AM					
Detective/Spy Lab	Ages 7-10				AM		
Drone Programming Beginner	Ages 10-14			AM, PM			
Electrical Engineering with Makey-Makey	Ages 8-13					AM	
Engineering - Flight and Aerospace	Ages 8-10					PM	
Engineering and Programming with Arduino	Ages 10-14					PM	
Engineering of Ice Cream / Food Science	Ages 8-10					AM	
Environmental Science / Conservation	Ages 10-14						PM
Escape Room Creation	Ages 8-13					AM	
Eureka! The Inventors' Camp	Ages 7-10		PM				
Forensic Science	Ages 10-14						AM
Graphic Design and GIMP	Ages 8-13				AM		
Green Screen Creativity	Ages 8-13		AM				
Green Screen Creativity	Ages 8-13					PM	
Investment Literacy and Stock Market Game	Ages 10-14		AM				
Lemonade Stand Entrepreneur	Ages 8-10						AM
Makers Space & Math	Ages 8-10	PM				AM	
Math Competition Training	Ages 10-14		PM				
Minecraft 3D Animation	Ages 10-14	AM				PM	
Minecraft Advanced	Ages 10-14			AM			
Minecraft and Chemistry	Ages 10-14		AM			AM	
Minecraft and Coding	Ages 10-14		PM			PM	
Minecraft Creative - The Engineer in You	Ages 8-13	AM			AM		
Minecraft Math	Ages 8-13	PM			PM		
Minecraft Mega Mash-up	Ages 8-13					PM	
Minecraft Mini-Games Galore	Ages 8-13					AM	
Minecraft Survival for Beginners	Ages 5-10			PM			
Murder Mystery Creation	Ages 10-14			AM			
Programming - Hopscotch	Ages 8-13			AM			PM
Programming - Scratch	Ages 7-10	AM			PM		
Programming in Java - Introduction	Ages 13-15		AM				
Programming in Python - Introduction	Ages 10-14		PM				
Public Speaking and Youth Leadership	Ages 8-13	PM					
Roblox Game Development	Ages 10-14					PM	
Robotics Lego © Animals	Ages 9-11	PM	AM				
Robotics Lego © Vehicles	Ages 9-11	AM	PM				
Robotics with VEX IQ	Ages 11-15					AM, PM	AM, PM
Shark Tank Entrepreneur	Ages 10-14						PM
Shockingly Sticky Science	Ages 7-10		AM				
Video Game Creation Advanced	Ages 8-13	PM			PM		
Video Game Creation Beginner	Ages 8-13	AM			AM		
Virtual 3D Robot Coding	Ages 10-14		PM			AM	
Virtual Reality	Ages 10-14				AM, PM		AM, PM
War and Peace Games - Game Theory	Ages 10-14					PM	
Website Design with Wordpress	Ages 8-13				PM		
WeDo Robotics	Ages 6-9	PM			AM		
Youngster - Programming with Dash	Ages 5-7		AM	PM			
Youngster - Scratch Junior	Ages 5-7		PM	AM			
YouTube Video Creation	Ages 8-13					AM	

# SCHEDULES – NJ – PARAMUS

## PARAMUS 2020 CLASS SCHEDULE

### Week 3 - July 6 - July 10

AM (9:00-12:30) - select one AM class for the week.		PM (1:30-5:00) - select one PM class for the week.	
Green Screen Creativity	Ages 8-13	Comic Creation	Ages 8-13
Investment Literacy and Stock Market Game	Ages 10-14	Eureka! The Inventors' Camp	Ages 7-10
Minecraft and Coding	Ages 10-14	Math Competition Training	Ages 10-14
Murder Mystery Creation	Ages 10-14	Minecraft and Chemistry	Ages 10-14
Programming in Java - Introduction	Ages 13-15	Programming in Python - Introduction	Ages 10-14
Shockingly Sticky Science	Ages 7-10	Virtual 3D Robot Coding	Ages 10-14
Virtual Reality	Ages 10-14	Virtual Reality	Ages 10-14

### Week 4 - July 13 - July 17

AM (9:00-12:30) - select one AM class for the week.		PM (1:30-5:00) - select one PM class for the week.	
Chemical Engineering: Polymers & Bioplastics	Ages 8-13	App Design Using GameSalad - ios devices	Ages 10-14
Drone Programming Beginner	Ages 10-14	Civil Engineering - Bridges and Buildings	Ages 8-13
Graphic Design and GIMP	Ages 8-13	Drone Programming Beginner	Ages 10-14
Minecraft 3D Animation	Ages 10-14	Makers Space & Math	Ages 8-10
Minecraft Advanced	Ages 10-14	Minecraft Survival for Beginners	Ages 5-10
Programming - Hopscotch	Ages 8-13	Website Design with Wordpress	Ages 8-13

### Week 5 - July 20 - July 24

AM (9:00-12:30) - select one AM class for the week.		PM (1:30-5:00) - select one PM class for the week.	
Creative Writing Workshop	Ages 8-13	Crazy Chemworks	Ages 7-10
Detective/Spy Lab	Ages 7-10	Minecraft Math	Ages 8-13
Minecraft Creative - The Engineer in You	Ages 8-13	Programming - Scratch	Ages 7-10
Robotics with VEX IQ	Ages 11-15	Public Speaking and Youth Leadership	Ages 8-13
Video Game Creation Beginner	Ages 8-13	Robotics with VEX IQ	Ages 11-15
Virtual Reality	Ages 10-14	Video Game Creation Advanced	Ages 8-13
WeDo Robotics	Ages 6-9	Virtual Reality	Ages 10-14

### Week 6 - July 27 - July 31

AM (9:00-12:30) - select one AM class for the week.		PM (1:30-5:00) - select one PM class for the week.	
Engineering of Ice Cream / Food Science	Ages 8-10	Engineering - Flight and Aerospace	Ages 8-10
Escape Room Creation	Ages 10-14	Green Screen Creativity	Ages 8-13
Makers Space & Math	Ages 8-10	Minecraft 3D Animation	Ages 10-14
Minecraft and Chemistry	Ages 10-14	Minecraft and Coding	Ages 10-14
Robotics with VEX IQ	Ages 11-15	Roblox Game Development	Ages 10-14
Virtual 3D Robot Coding	Ages 10-14	Robotics with VEX IQ	Ages 11-15
YouTube Video Creation	Ages 8-13	War and Peace Games - Game Theory	Ages 8-13

### Week 7 - August 3 - August 7

AM (9:00-12:30) - select one AM class for the week.		PM (1:30-5:00) - select one PM class for the week.	
3D Printing Beginner	Ages 10-14	3D Printing Beginner	Ages 10-14
App Design Using GameSalad - ios devices	Ages 10-14	Environmental Science / Conservation	Ages 10-14
Forensic Science	Ages 10-14	Minecraft Mega Mash-up	Ages 8-13
Lemonade Stand Entrepreneur	Ages 8-10	Programming - Hopscotch	Ages 8-13
Minecraft Mini-Games Galore	Ages 8-13	Robotics Lego ® Vehicles	Ages 9-11
Programming - Scratch	Ages 7-10	Shark Tank Entrepreneur	Ages 10-14
Robotics Lego ® Animals	Ages 9-11	WeDo Robotics	Ages 6-9

### Week 8 - August 10 - August 14

AM (9:00-12:30) - select one AM class for the week.		PM (1:30-5:00) - select one PM class for the week.	
3D Printing Beginner	Ages 10-14	3D Printing Beginner	Ages 10-14
Anatomy and Surgical Techniques Advanced	Ages 10-14	Anatomy and Surgical Techniques Beginner	Ages 10-14
Minecraft Survival for Beginners	Ages 5-10	Minecraft Advanced	Ages 10-14
Programming - Scratch	Ages 7-10	Robotics Lego ® Vehicles	Ages 9-11
Robotics Lego ® Animals	Ages 9-11	Video Game Creation Advanced	Ages 8-13
Video Game Creation Beginner	Ages 8-13	WeDo Robotics	Ages 6-9

PARAMUS - 2020 (AM = 9:00-12:30 ; PM = 1:30-5:00)		Week 3	Week 4	Week 5	Week 6	Week 7	Week 8
		6-Jul	13-Jul	20-Jul	27-Jul	3-Aug	10-Aug
3D Printing Beginner	Ages 10-14					AM, PM	AM, PM
Anatomy and Surgical Techniques Advanced	Ages 10-14						AM
Anatomy and Surgical Techniques Beginner	Ages 10-14						PM
App Design Using GameSalad - ios devices	Ages 10-14		PM			AM	
Chemical Engineering: Polymers & Bioplastics	Ages 8-13		AM				
Civil Engineering - Bridges and Buildings	Ages 8-13		PM				
Comic Creation	Ages 8-13	PM					
Crazy Chemworks	Ages 7-10			PM			
Creative Writing Workshop	Ages 8-13			AM			
Detective/Spy Lab	Ages 7-10			AM			
Drone Programming Beginner	Ages 10-14		AM, PM				
Engineering - Flight and Aerospace	Ages 8-10				PM		
Engineering of Ice Cream / Food Science	Ages 8-10				AM		
Environmental Science / Conservation	Ages 10-14					PM	
Escape Room Creation	Ages 10-14				AM		
Eureka! The Inventors' Camp	Ages 7-10	PM					
Forensic Science	Ages 10-14					AM	
Graphic Design and GIMP	Ages 8-13		AM				
Green Screen Creativity	Ages 8-13	AM			PM		
Investment Literacy and Stock Market Game	Ages 10-14	AM					
Lemonade Stand Entrepreneur	Ages 8-10					AM	
Makers Space & Math	Ages 8-10		PM		AM		
Math Competition Training	Ages 10-14	PM					
Minecraft 3D Animation	Ages 10-14		AM		PM		
Minecraft Advanced	Ages 10-14		AM				PM
Minecraft and Chemistry	Ages 10-14	PM			AM		
Minecraft and Coding	Ages 10-14	AM			PM		
Minecraft Creative - The Engineer in You	Ages 8-13			AM			
Minecraft Math	Ages 8-13			PM			
Minecraft Mega Mash-up	Ages 8-13					PM	
Minecraft Mini-Games Galore	Ages 8-13					AM	
Minecraft Survival for Beginners	Ages 5-10		PM				AM
Murder Mystery Creation	Ages 10-14	AM					
Programming - Hopscotch	Ages 8-13		AM			PM	
Programming - Scratch	Ages 7-10			PM		AM	AM
Programming in Java - Introduction	Ages 13-15	AM					
Programming in Python - Introduction	Ages 10-14	PM					
Public Speaking and Youth Leadership	Ages 8-13			PM			
Roblox Game Development	Ages 10-14				PM		
Robotics Lego ® Animals	Ages 9-11					AM	AM
Robotics Lego ® Vehicles	Ages 9-11					PM	PM
Robotics with VEX IQ	Ages 11-15			AM, PM	AM, PM		
Shark Tank Entrepreneur	Ages 10-14					PM	
Shockingly Sticky Science	Ages 7-10	AM					
Video Game Creation Advanced	Ages 8-13			PM			PM
Video Game Creation Beginner	Ages 8-13			AM			AM
Virtual 3D Robot Coding	Ages 10-14	PM			AM		
Virtual Reality	Ages 10-14	AM, PM		AM, PM			
War and Peace Games - Game Theory	Ages 8-13				PM		
Website Design with Wordpress	Ages 8-13		PM				
WeDo Robotics	Ages 6-9			AM		PM	PM
YouTube Video Creation	Ages 8-13				AM		

# SCHEDULES – NJ – PRINCETON 1/2

## PRINCETON 2020 CLASS SCHEDULE

Week 1 - June 22 - June 26			
AM (9:00-12:30) - select one AM class for the week.		PM (1:30-5:00) - select one PM class for the week.	
3D Printing Beginner	Ages 10-14	3D Printing Beginner	Ages 10-14
Comic Creation	Ages 8-13	Graphic Design and GIMP	Ages 8-13
Math Competition Training	Ages 10-14	Investment Literacy and Stock Market Game	Ages 10-14
Website Design with Wordpress	Ages 8-13	Murder Mystery Creation	Ages 10-14
Youngster - Left Brain Mix	Ages 5-7	Youngster - Right Brain Mix	Ages 5-7
Week 2 - June 29 - July 2 (closed Friday, July 3)			
AM (9:00-12:30) - select one AM class for the week.		PM (1:30-5:00) - select one PM class for the week.	
3D Printing Beginner	Ages 10-14	3D Printing Beginner	Ages 10-14
Civil Engineering - Bridges and Buildings	Ages 8-13	Chemical Engineering: Polymers & Bioplastics	Ages 8-13
Escape Room Creation	Ages 8-13	War and Peace Games - Game Theory	Ages 10-14
Roblox Game Development	Ages 10-14	Youngster - Left Brain Mix	Ages 5-7
Youngster - Right Brain Mix	Ages 5-7	YouTube Video Creation	Ages 8-13
Week 3 - July 6 - July 10			
AM (9:00-12:30) - select one AM class for the week.		PM (1:30-5:00) - select one PM class for the week.	
Anatomy and Surgical Techniques Beginner	Ages 10-14	Anatomy and Surgical Techniques Advanced	Ages 10-14
Drone Programming Beginner	Ages 10-14	Drone Programming Beginner	Ages 10-14
Graphic Design and GIMP	Ages 8-13	Lemonade Stand Entrepreneur	Ages 8-10
Minecraft Mega Mash-up	Ages 8-13	Minecraft Mini-Games Galore	Ages 8-13
Shark Tank Entrepreneur	Ages 10-14	Video Game Creation Advanced	Ages 8-13
Video Game Creation Beginner	Ages 8-13	Virtual Reality	Ages 10-14
Virtual Reality	Ages 10-14	Website Design with Wordpress	Ages 8-13
Youngster - Left Brain Mix	Ages 5-7	Youngster - Right Brain Mix	Ages 5-7
Week 4 - July 13 - July 17			
AM (9:00-12:30) - select one AM class for the week.		PM (1:30-5:00) - select one PM class for the week.	
Anatomy and Surgical Techniques Beginner	Ages 10-14	Anatomy and Surgical Techniques Advanced	Ages 10-14
Green Screen Creativity	Ages 8-13	Comic Creation	Ages 8-13
Makers Space & Math	Ages 8-10	Minecraft 3D Animation	Ages 10-14
Minecraft Advanced	Ages 10-14	Minecraft Survival for Beginners	Ages 5-10
Murder Mystery Creation	Ages 10-14	Programming in Java - Introduction	Ages 13-15
Programming in Python - Introduction	Ages 10-14	Virtual 3D Robot Coding	Ages 10-14
Youngster - Programming with Dash	Ages 5-7	Youngster - Left Brain Mix	Ages 5-7
Youngster - Right Brain Mix	Ages 5-7	Youngster - Scratch Junior	Ages 5-7
Week 5 - July 20 - July 24			
AM (9:00-12:30) - select one AM class for the week.		PM (1:30-5:00) - select one PM class for the week.	
3D Printing Beginner	Ages 10-14	3D Printing Beginner	Ages 10-14
Creative Writing Workshop	Ages 8-13	App Design Using GameSalad - ios devices	Ages 10-14
Environmental Science / Conservation	Ages 10-14	Forensic Science	Ages 10-14
Minecraft Creative - The Engineer in You	Ages 8-13	Minecraft Math	Ages 8-13
Programming - Hopscotch	Ages 8-13	Public Speaking and Youth Leadership	Ages 8-13
Robotics with VEX IQ	Ages 11-15	Roblox Game Development	Ages 10-14
Youngster - Scratch Junior	Ages 5-7	Robotics with VEX IQ	Ages 11-15
YouTube Video Creation	Ages 8-13	Youngster - Programming with Dash	Ages 5-7

## SCHEDULES – NJ – PRINCETON 2/2

Week 6 - July 27 - July 31			
AM (9:00-12:30) - select one AM class for the week.		PM (1:30-5:00) - select one PM class for the week.	
3D Printing Beginner	Ages 10-14	3D Printing Beginner	Ages 10-14
Forensic Science	Ages 10-14	Environmental Science / Conservation	Ages 10-14
Math Competition Training	Ages 10-14	Investment Literacy and Stock Market Game	Ages 10-14
Minecraft and Chemistry	Ages 10-14	Minecraft and Coding	Ages 10-14
Programming - Scratch	Ages 7-10	Robotics with VEX IQ	Ages 11-15
Robotics with VEX IQ	Ages 11-15	Video Game Creation Advanced	Ages 8-13
Video Game Creation Beginner	Ages 8-13	WeDo Robotics	Ages 6-9
Youngster - Left Brain Mix	Ages 5-7	Youngster - Right Brain Mix	Ages 5-7

Week 7 - August 3 - August 7			
AM (9:00-12:30) - select one AM class for the week.		PM (1:30-5:00) - select one PM class for the week.	
Engineering - Flight and Aerospace	Ages 8-10	Engineering of Ice Cream / Food Science	Ages 8-10
Lemonade Stand Entrepreneur	Ages 8-10	Escape Room Creation	Ages 8-13
Minecraft Mini-Games Galore	Ages 8-13	Green Screen Creativity	Ages 8-13
Robotics Lego © Animals	Ages 9-11	Minecraft Mega Mash-up	Ages 8-13
Virtual 3D Robot Coding	Ages 10-14	Programming - Scratch	Ages 7-10
War and Peace Games - Game Theory	Ages 10-14	Robotics Lego © Vehicles	Ages 9-11
WeDo Robotics	Ages 6-9	Shark Tank Entrepreneur	Ages 10-14
Youngster - Right Brain Mix	Ages 5-7	Youngster - Left Brain Mix	Ages 5-7

Week 8 - August 10 - August 14			
AM (9:00-12:30) - select one AM class for the week.		PM (1:30-5:00) - select one PM class for the week.	
Anatomy and Surgical Techniques Beginner	Ages 10-14	Anatomy and Surgical Techniques Advanced	Ages 10-14
App Design Using GameSalad - ios devices	Ages 10-14	Civil Engineering - Bridges and Buildings	Ages 8-13
Chemical Engineering: Polymers & Bioplastics	Ages 8-13	Makers Space & Math	Ages 8-10
Minecraft 3D Animation	Ages 10-14	Minecraft Advanced	Ages 10-14
Minecraft Survival for Beginners	Ages 5-10	Programming - Hopscotch	Ages 8-13
Programming in Java - Introduction	Ages 13-15	Programming in Python - Introduction	Ages 10-14
Robotics Lego © Vehicles	Ages 9-11	Robotics Lego © Animals	Ages 9-11
Virtual Reality	Ages 10-14	Virtual Reality	Ages 10-14
Youngster - Left Brain Mix	Ages 5-7	Youngster - Right Brain Mix	Ages 5-7

Princeton - 2020 (AM = 9:00-12:30 ; PM = 1:30-5:00)		Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8
		22-Jun	29-Jun	6-Jul	13-Jul	20-Jul	27-Jul	3-Aug	10-Aug
3D Printing Beginner	Ages 10-14	AM, PM	AM, PM			AM, PM	AM, PM		
Anatomy and Surgical Techniques Advanced	Ages 10-14			PM	PM				PM
Anatomy and Surgical Techniques Beginner	Ages 10-14			AM	AM				AM
App Design Using GameSalad - ios devices	Ages 10-14					PM			AM
Chemical Engineering: Polymers & Bioplastics	Ages 8-13		PM						AM
Civil Engineering - Bridges and Buildings	Ages 8-10		AM						PM
Comic Creation	Ages 8-13	AM			PM				
Creative Writing Workshop	Ages 8-13					AM			
Drone Programming Beginner	Ages 10-14			AM, PM					
Engineering - Flight and Aerospace	Ages 8-10							AM	
Engineering of Ice Cream / Food Science	Ages 8-10							PM	
Environmental Science / Conservation	Ages 10-14					AM	PM		
Escape Room Creation	Ages 8-13		AM					PM	
Forensic Science	Ages 10-14					PM	AM		
Graphic Design and GIMP	Ages 8-13	PM		AM					
Green Screen Creativity	Ages 8-13				AM			PM	
Investment Literacy and Stock Market Game	Ages 10-14	PM					PM		
Lemonade Stand Entrepreneur	Ages 8-10			PM				AM	
Makers Space & Math	Ages 8-10				AM				PM
Math Competition Training	Ages 10-14	AM					AM		
Minecraft 3D Animation	Ages 10-14				PM				AM
Minecraft Advanced	Ages 10-14				AM				PM
Minecraft and Chemistry	Ages 10-14						AM		
Minecraft and Coding	Ages 10-14						PM		
Minecraft Creative - The Engineer in You	Ages 8-13					AM			
Minecraft Math	Ages 8-13					PM			
Minecraft Mega Mash-up	Ages 8-13			AM				PM	
Minecraft Mini-Games Galore	Ages 8-13			PM				AM	
Minecraft Survival for Beginners	Ages 5-10				PM				AM
Murder Mystery Creation	Ages 10-14	PM			AM				
Programming - Hopscotch	Ages 8-13					AM			PM
Programming - Scratch	Ages 7-10						AM	PM	
Programming in Java - Introduction	Ages 13-15				PM				AM
Programming in Python - Introduction	Ages 10-14				AM				PM
Public Speaking and Youth Leadership	Ages 8-13					PM			
Roblox Game Development	Ages 10-14		AM			PM			
Robotics Lego ® Animals	Ages 9-11							AM	PM
Robotics Lego ® Vehicles	Ages 9-11							PM	AM
Robotics with VEX IQ	Ages 11-15					AM, PM	AM, PM		
Shark Tank Entrepreneur	Ages 10-14			AM				PM	
Video Game Creation Advanced	Ages 8-13			PM			PM		
Video Game Creation Beginner	Ages 8-13			AM			AM		
Virtual 3D Robot Coding	Ages 10-14				PM			AM	
Virtual Reality	Ages 10-14			AM, PM					AM, PM
War and Peace Games - Game Theory	Ages 10-14		PM					AM	
Website Design with Wordpress	Ages 8-13	AM		PM					
WeDo Robotics	Ages 6-9						PM	AM	
Youngster - Left Brain Mix	Ages 5-7	AM	PM	AM	PM		AM	PM	AM
Youngster - Programming with Dash	Ages 5-7				AM	PM			
Youngster - Right Brain Mix	Ages 5-7	PM	AM	PM	AM		PM	AM	PM
Youngster - Scratch Junior	Ages 5-7				PM	AM			
YouTube Video Creation	Ages 8-13		PM			AM			

# SCHEDULES – NJ – SCOTCH PLAINS 1/1

## SCOTCH PLAINS 2020 CLASS SCHEDULE

### Week 3 - July 6 - July 10

AM (9:00-12:30) - select one AM class for the week.		PM (1:30-5:00) - select one PM class for the week.	
3D Printing Beginner	Ages 10-14	3D Printing Beginner	Ages 10-14
App Design Using GameSalad - ios devices	Ages 10-14	Electrical Engineering with Makey-Makey	Ages 8-13
Engineering - Flight and Aerospace	Ages 8-10	Engineering of Ice Cream / Food Science	Ages 8-10
Engineering and Programming with Arduino	Ages 10-14	Programming - Hopscotch	Ages 8-13
YouTube Video Creation	Ages 8-13	Roblox Game Development	Ages 10-14

### Week 4 - July 13 - July 17

AM (9:00-12:30) - select one AM class for the week.		PM (1:30-5:00) - select one PM class for the week.	
3D Printing Beginner	Ages 10-14	3D Printing Beginner	Ages 10-14
Civil Engineering - Bridges and Buildings	Ages 8-10	Chemical Engineering: Polymers & Bioplastics	Ages 10-14
Math Competition Training	Ages 10-14	Green Screen Creativity	Ages 8-13
Minecraft and Chemistry	Ages 10-14	Investment Literacy and Stock Market Game	Ages 10-14
Programming - Scratch	Ages 7-10	Minecraft and Coding	Ages 10-14
Virtual 3D Robot Coding	Ages 10-14	WeDo Robotics	Ages 6-9

### Week 5 - July 20 - July 24

AM (9:00-12:30) - select one AM class for the week.		PM (1:30-5:00) - select one PM class for the week.	
Canvas Painting	Ages 8-13	Comic Creation	Ages 8-13
Minecraft Advanced	Ages 10-14	Creative Writing Workshop	Ages 8-13
Murder Mystery Creation	Ages 10-14	Eureka! The Inventors' Camp	Ages 7-10
Public Speaking and Youth Leadership	Ages 8-13	Minecraft Survival for Beginners	Ages 5-10
Shockingly Sticky Science	Ages 7-10	Mixed Media Studio Art	Ages 8-13

### Week 6 - July 27 - July 31

AM (9:00-12:30) - select one AM class for the week.		PM (1:30-5:00) - select one PM class for the week.	
Detective/Spy Lab	Ages 7-10	Crazy Chemworks	Ages 7-10
Minecraft Creative - The Engineer in You	Ages 8-13	Escape Room Creation	Ages 8-13
Video Game Creation Beginner	Ages 8-13	Graphic Design and GIMP	Ages 8-13
Virtual Reality	Ages 10-14	Minecraft Math	Ages 8-13
War and Peace Games - Game Theory	Ages 10-14	Video Game Creation Advanced	Ages 8-13
Website Design with Wordpress	Ages 8-13	Virtual Reality	Ages 10-14

### Week 7 - August 3 - August 7

AM (9:00-12:30) - select one AM class for the week.		PM (1:30-5:00) - select one PM class for the week.	
Anatomy and Surgical Techniques Beginner	Ages 10-14	Anatomy and Surgical Techniques Advanced	Ages 10-14
App Design Using GameSalad - ios devices	Ages 10-14	Fashion Design on the Computer	Ages 10-14
Minecraft Mini-Games Galore	Ages 8-13	Lemonade Stand Entrepreneur	Ages 8-10
Pre-Architecture	Ages 8-13	Minecraft Mega Mash-up	Ages 8-13
Programming in Python - Introduction	Ages 10-14	Programming - Hopscotch	Ages 8-13
Shark Tank Entrepreneur	Ages 10-14	Programming in Java - Introduction	Ages 13-15

### Week 8 - August 10 - August 14

AM (9:00-12:30) - select one AM class for the week.		PM (1:30-5:00) - select one PM class for the week.	
Detective/Spy Lab	Ages 7-10	Crazy Chemworks	Ages 7-10
Environmental Science / Conservation	Ages 10-14	Forensic Science	Ages 10-14
Makers Space & Math	Ages 8-10	Green Screen Creativity	Ages 8-13
Roblox Game Development	Ages 8-13	Minecraft 3D Animation	Ages 10-14
Virtual 3D Robot Coding	Ages 10-14	YouTube Video Creation	Ages 10-14

<b>Scotch Plains - 2020</b>		<b>Week 3</b>	<b>Week 4</b>	<b>Week 5</b>	<b>Week 6</b>	<b>Week 7</b>	<b>Week 8</b>	<b>Week 9</b>
<b>(AM = 9:00-12:30 ; PM = 1:30-5:00)</b>		<b>6-Jul</b>	<b>13-Jul</b>	<b>20-Jul</b>	<b>27-Jul</b>	<b>3-Aug</b>	<b>10-Aug</b>	<b>17-Aug</b>
3D Printing Beginner	Ages 10-14	AM, PM	AM, PM					
Anatomy and Surgical Techniques Advanced	Ages 10-14					PM		
Anatomy and Surgical Techniques Beginner	Ages 10-14					AM		
App Design Using GameSalad - ios devices	Ages 10-14	AM				AM		
Canvas Painting	Ages 8-13			AM				
Chemical Engineering: Polymers & Bioplastics	Ages 10-14		PM					
Civil Engineering - Bridges and Buildings	Ages 8-10		AM					
Comic Creation	Ages 8-13			PM				
Crazy Chemworks	Ages 7-10				PM		PM	
Creative Writing Workshop	Ages 8-13			PM				
Detective/Spy Lab	Ages 7-10				AM		AM	
Electrical Engineering with Makey-Makey	Ages 8-13	PM						
Engineering - Flight and Aerospace	Ages 8-10	AM						
Engineering and Programming with Arduino	Ages 10-14	AM						
Engineering of Ice Cream / Food Science	Ages 8-10	PM						
Environmental Science / Conservation	Ages 10-14						AM	
Escape Room Creation	Ages 8-13				PM			
Eureka! The Inventors' Camp	Ages 7-10			PM				
Fashion Design on the Computer	Ages 10-14					PM		
Forensic Science	Ages 10-14						PM	
Graphic Design and GIMP	Ages 8-13				PM			
Green Screen Creativity	Ages 8-13		PM				PM	
Investment Literacy and Stock Market Game	Ages 10-14		PM					
Lemonade Stand Entrepreneur	Ages 8-10					PM		
Makers Space & Math	Ages 8-10						AM	
Math Competition Training	Ages 10-14		AM					
Minecraft 3D Animation	Ages 10-14						PM	
Minecraft Advanced	Ages 10-14			AM				
Minecraft and Chemistry	Ages 10-14		AM					
Minecraft and Coding	Ages 10-14		PM					
Minecraft Creative - The Engineer in You	Ages 8-13				AM			
Minecraft Math	Ages 8-13				PM			
Minecraft Mega Mash-up	Ages 8-13					PM		
Minecraft Mini-Games Galore	Ages 8-13					AM		
Minecraft Survival for Beginners	Ages 5-10			PM				
Mixed Media Studio Art	Ages 8-13			PM				
Murder Mystery Creation	Ages 10-14			AM				
Pre-Architecture	Ages 8-13					AM		
Programming - Hopscotch	Ages 8-13	PM				PM		
Programming - Scratch	Ages 7-10		AM					
Programming in Java - Introduction	Ages 13-15					PM		
Programming in Python - Introduction	Ages 10-14					AM		
Public Speaking and Youth Leadership	Ages 8-13			AM				
Roblox Game Development	Ages 10-14	PM					AM	
Shark Tank Entrepreneur	Ages 10-14					AM		
Shockingly Sticky Science	Ages 7-10			AM				
Video Game Creation Advanced	Ages 8-13				PM			
Video Game Creation Beginner	Ages 8-13				AM			
Virtual 3D Robot Coding	Ages 10-14		AM				AM	
Virtual Reality	Ages 10-14				AM, PM			
War and Peace Games - Game Theory	Ages 10-14				AM			
Website Design with Wordpress	Ages 8-13				AM			
WeDo Robotics	Ages 6-9		PM					
YouTube Video Creation	Ages 8-13	AM					PM	

# SCHEDULES – NJ – SOMERSET 1/2

## SOMERSET 2020 CLASS SCHEDULE

### Week 3 - July 6 - July 10

AM (9:00-12:30) - select one AM class for the week.		PM (1:30-5:00) - select one PM class for the week.	
Environmental Science / Conservation	Ages 10-14	Comic Creation	Ages 8-13
Green Screen Creativity	Ages 8-13	Forensic Science	Ages 10-14
Math Competition Training	Ages 10-14	Investment Literacy and Stock Market Game	Ages 10-14
Minecraft Advanced	Ages 10-14	Minecraft Survival for Beginners	Ages 5-10
Murder Mystery Creation	Ages 10-14	Programming - Scratch	Ages 7-10
Robotics with VEX IQ	Ages 11-15	Robotics with VEX IQ	Ages 11-15
WeDo Robotics	Ages 6-9	Virtual 3D Robot Coding	Ages 10-14
Youngster - Programming with Dash	Ages 5-7	Youngster - Scratch Junior	Ages 5-7

### Week 4 - July 13 - July 17

AM (9:00-12:30) - select one AM class for the week.		PM (1:30-5:00) - select one PM class for the week.	
Creative Writing Workshop	Ages 8-13	App Design Using GameSalad - ios devices	Ages 10-14
Forensic Science	Ages 10-14	Environmental Science / Conservation	Ages 10-14
Minecraft Creative - The Engineer in You	Ages 8-13	Minecraft Math	Ages 8-13
Programming - Hopscotch	Ages 8-13	Public Speaking and Youth Leadership	Ages 8-13
Programming - Scratch	Ages 7-10	Roblox Game Development	Ages 10-14
Robotics with VEX IQ	Ages 11-15	Robotics with VEX IQ	Ages 11-15
Youngster - Left Brain Mix	Ages 5-7	WeDo Robotics	Ages 6-9
YouTube Video Creation	Ages 8-13	Youngster - Right Brain Mix	Ages 5-7

### Week 5 - July 20 - July 24

AM (9:00-12:30) - select one AM class for the week.		PM (1:30-5:00) - select one PM class for the week.	
Civil Engineering - Bridges and Buildings	Ages 8-13	Chemical Engineering: Polymers & Bioplastics	Ages 8-13
Makers Space & Math	Ages 8-10	Lemonade Stand Entrepreneur	Ages 8-10
Minecraft and Chemistry	Ages 10-14	Minecraft 3D Animation	Ages 10-14
Programming in Python - Introduction	Ages 10-14	Minecraft and Coding	Ages 10-14
Robotics Lego ® Vehicles	Ages 9-11	Programming in Java - Introduction	Ages 13-15
Shark Tank Entrepreneur	Ages 10-14	Robotics Lego ® Animals	Ages 9-11
Video Game Creation Beginner	Ages 8-13	Video Game Creation Advanced	Ages 8-13
Virtual Reality	Ages 10-14	Virtual Reality	Ages 10-14
Youngster - Right Brain Mix	Ages 5-7	Youngster - Left Brain Mix	Ages 5-7

### Week 6 - July 27 - July 31

AM (9:00-12:30) - select one AM class for the week.		PM (1:30-5:00) - select one PM class for the week.	
Anatomy and Surgical Techniques Beginner	Ages 10-14	Anatomy and Surgical Techniques Advanced	Ages 10-14
Drone Programming Beginner	Ages 10-14	Drone Programming Advanced	Ages 10-14
Escape Room Creation	Ages 10-14	Green Screen Creativity	Ages 8-13
Minecraft Mini-Games Galore	Ages 8-13	Minecraft Mega Mash-up	Ages 8-13
Robotics Lego ® Animals	Ages 9-11	Robotics Lego ® Vehicles	Ages 9-11
Virtual 3D Robot Coding	Ages 10-14	Virtual Reality	Ages 10-14
Virtual Reality	Ages 10-14	War and Peace Games - Game Theory	Ages 8-13
Youngster - Scratch Junior	Ages 5-7	Youngster - Programming with Dash	Ages 5-7

## SCHEDULES – NJ – SOMERSET 2/2

Week 7 - August 3 - August 7			
AM (9:00-12:30) - select one AM class for the week.		PM (1:30-5:00) - select one PM class for the week.	
3D Printing Beginner	Ages 10-14	3D Printing Beginner	Ages 10-14
Anatomy and Surgical Techniques Beginner	Ages 10-14	Anatomy and Surgical Techniques Advanced	Ages 10-14
App Design Using GameSalad - ios devices	Ages 10-14	Makers Space & Math	Ages 8-10
Film-Making	Ages 8-13	Math Competition Training	Ages 10-14
Investment Literacy and Stock Market Game	Ages 10-14	Minecraft Advanced	Ages 10-14
Minecraft 3D Animation	Ages 10-14	Programming - Hopscotch	Ages 8-13
Minecraft Survival for Beginners	Ages 5-10	Programming in Python - Introduction	Ages 10-14
Programming in Java - Introduction	Ages 13-15	Stop-Action Animation	Ages 8-13
Youngster - Left Brain Mix	Ages 5-7	Youngster - Right Brain Mix	Ages 5-7

Week 8 - August 10 - August 14			
AM (9:00-12:30) - select one AM class for the week.		PM (1:30-5:00) - select one PM class for the week.	
3D Printing Beginner	Ages 10-14	3D Printing Beginner	Ages 10-14
Electrical Engineering with Makey-Makey	Ages 8-13	Engineering - Flight and Aerospace	Ages 8-10
Engineering of Ice Cream / Food Science	Ages 8-10	Engineering and Programming with Arduino	Ages 10-14
Lemonade Stand Entrepreneur	Ages 8-10	Escape Room Creation	Ages 8-13
Minecraft Math	Ages 8-13	Fashion Design on the Computer	Ages 10-14
Pre-Architecture	Ages 8-13	Minecraft Creative - The Engineer in You	Ages 8-13
Video Game Creation Beginner	Ages 8-13	Shark Tank Entrepreneur	Ages 10-14
War and Peace Games - Game Theory	Ages 10-14	Video Game Creation Advanced	Ages 8-13
Youngster - Right Brain Mix	Ages 5-7	Youngster - Left Brain Mix	Ages 5-7

Week 9 - August 17 - August 21			
AM (9:00-12:30) - select one AM class for the week.		PM (1:30-5:00) - select one PM class for the week.	
3D Printing Beginner	Ages 10-14	3D Printing Advanced	Ages 10-14
Engineering - Flight and Aerospace	Ages 8-10	Engineering of Ice Cream / Food Science	Ages 8-10
Green Screen Creativity	Ages 8-13	Makers Space & Math	Ages 8-10
Lemonade Stand Entrepreneur	Ages 8-10	Minecraft and Chemistry	Ages 10-14
Minecraft 3D Animation	Ages 10-14	Programming in Python - Introduction	Ages 10-14
Minecraft and Coding	Ages 10-14	Robotics Lego © Vehicles	Ages 9-11
Programming in Java - Introduction	Ages 13-15	Shark Tank Entrepreneur	Ages 10-14
Robotics Lego © Animals	Ages 9-11	Virtual 3D Robot Coding	Ages 10-14
Virtual Reality	Ages 10-14	Virtual Reality	Ages 10-14
Youngster - Left Brain Mix	Ages 5-7	Youngster - Right Brain Mix	Ages 5-7

Somerset - 2020 (AM = 9:00-12:30 ; PM = 1:30-5:00)		Week 3 6-Jul	Week 4 13-Jul	Week 5 20-Jul	Week 6 27-Jul	Week 7 3-Aug	Week 8 10-Aug	Week 9 17-Aug
3D Printing Advanced	Ages 10-14							PM
3D Printing Beginner	Ages 10-14					AM, PM	AM, PM	AM
Anatomy and Surgical Techniques Advanced	Ages 10-14				PM	PM		
Anatomy and Surgical Techniques Beginner	Ages 10-14				AM	AM		
App Design Using GameSalad - ios devices	Ages 10-14		PM			AM		
Chemical Engineering: Polymers & Bioplastics	Ages 8-13			PM				
Civil Engineering - Bridges and Buildings	Ages 8-13			AM				
Comic Creation	Ages 8-13	PM						
Creative Writing Workshop	Ages 8-13		AM					
Drone Programming Advanced	Ages 10-14				PM			
Drone Programming Beginner	Ages 10-14				AM			
Electrical Engineering with Makey-Makey	Ages 8-13						AM	
Engineering - Flight and Aerospace	Ages 8-10						PM	AM
Engineering and Programming with Arduino	Ages 10-14						PM	
Engineering of Ice Cream / Food Science	Ages 8-10						AM	PM
Environmental Science / Conservation	Ages 10-14	AM	PM					
Escape Room Creation	Ages 10-14				AM		PM	
Fashion Design on the Computer	Ages 10-14						PM	
Film-Making	Ages 8-13					AM		
Forensic Science	Ages 10-14	PM	AM					
Green Screen Creativity	Ages 8-13	AM			PM			AM
Investment Literacy and Stock Market Game	Ages 10-14	PM				AM		
Lemonade Stand Entrepreneur	Ages 8-10			PM			AM	AM
Makers Space & Math	Ages 8-10			AM		PM		PM
Math Competition Training	Ages 10-14	AM				PM		
Minecraft 3D Animation	Ages 10-14			PM		AM		AM
Minecraft Advanced	Ages 10-14	AM				PM		
Minecraft and Chemistry	Ages 10-14			AM				PM
Minecraft and Coding	Ages 10-14			PM				AM
Minecraft Creative - The Engineer in You	Ages 8-13		AM				PM	
Minecraft Math	Ages 8-13		PM				AM	
Minecraft Mega Mash-up	Ages 8-13				PM			
Minecraft Mini-Games Galore	Ages 8-13				AM			
Minecraft Survival for Beginners	Ages 5-10	PM				AM		
Murder Mystery Creation	Ages 10-14	AM						
Pre-Architecture	Ages 8-13						AM	
Programming - Hopscotch	Ages 8-13		AM			PM		
Programming - Scratch	Ages 7-10	PM	AM					
Programming in Java - Introduction	Ages 13-15			PM		AM		AM
Programming in Python - Introduction	Ages 10-14			AM		PM		PM
Public Speaking and Youth Leadership	Ages 8-13		PM					
Roblox Game Development	Ages 10-14		PM					
Robotics Lego ® Animals	Ages 9-11			PM	AM			AM
Robotics Lego ® Vehicles	Ages 9-11			AM	PM			PM
Robotics with VEX IQ	Ages 11-15	AM, PM	AM, PM					
Shark Tank Entrepreneur	Ages 10-14			AM			PM	PM
Stop-Action Animation	Ages 8-13					PM		
Video Game Creation Advanced	Ages 8-13			PM			PM	
Video Game Creation Beginner	Ages 8-13			AM			AM	
Virtual 3D Robot Coding	Ages 10-14	PM			AM			PM
Virtual Reality	Ages 10-14			AM, PM	AM, PM			AM, PM
War and Peace Games - Game Theory	Ages 8-13				PM		AM	
WeDo Robotics	Ages 6-9	AM	PM					
Youngster - Left Brain Mix	Ages 5-7		AM	PM		AM	PM	AM
Youngster - Programming with Dash	Ages 5-7	AM			PM			
Youngster - Right Brain Mix	Ages 5-7		PM	AM		PM	AM	PM
Youngster - Scratch Junior	Ages 5-7	PM			AM			
YouTube Video Creation	Ages 8-13		AM					

# SCHEDULES – NJ – SUMMIT

## SUMMIT 2020 CLASS SCHEDULE

### Week 3 - July 6 - July 10

AM (9:00-12:30) - select one AM class for the week.		PM (1:30-5:00) - select one PM class for the week.	
Canvas Painting	Ages 8-13	Comic Creation	Ages 8-13
Drone Programming Beginner	Ages 10-14	Creative Writing Workshop	Ages 8-13
Environmental Science / Conservation	Ages 10-14	Drone Programming Advanced	Ages 10-14
Green Screen Creativity	Ages 8-13	Eureka! The Inventors' Camp	Ages 7-10
Minecraft Advanced	Ages 10-14	Forensic Science	Ages 10-14
Murder Mystery Creation	Ages 10-14	Minecraft Survival for Beginners	Ages 5-10
Public Speaking and Youth Leadership	Ages 8-13	Mixed Media Studio Art	Ages 8-13
Shockingly Sticky Science	Ages 7-10	Virtual 3D Robot Coding	Ages 10-14

### Week 4 - July 13 - July 17

AM (9:00-12:30) - select one AM class for the week.		PM (1:30-5:00) - select one PM class for the week.	
Detective/Spy Lab	Ages 7-10	Crazy Chemworks	Ages 7-10
Electrical Engineering with Makey-Makey	Ages 8-13	Engineering and Programming with Arduino	Ages 10-14
Engineering - Flight and Aerospace	Ages 8-10	Engineering of Ice Cream / Food Science	Ages 8-10
Film-Making	Ages 8-13	Escape Room Creation	Ages 8-13
Investment Literacy and Stock Market Game	Ages 10-14	Graphic Design and GIMP	Ages 8-13
Minecraft Creative - The Engineer in You	Ages 8-13	Math Competition Training	Ages 10-14
Video Game Creation Beginner	Ages 8-13	Minecraft Math	Ages 8-13
War and Peace Games - Game Theory	Ages 10-14	Stop-Action Animation	Ages 8-13
Website Design with Wordpress	Ages 8-13	Video Game Creation Advanced	Ages 8-13

### Week 5 - July 20 - July 24

AM (9:00-12:30) - select one AM class for the week.		PM (1:30-5:00) - select one PM class for the week.	
Action Flix	Ages 8-11	Acapella 101	Ages 8-13
Anatomy and Surgical Techniques Beginner	Ages 10-14	Anatomy and Surgical Techniques Advanced	Ages 10-14
App Design Using GameSalad - ios devices	Ages 10-14	Makers Space & Math	Ages 8-10
Fashion Design on the Computer	Ages 8-13	Minecraft Mega Mash-up	Ages 8-13
Minecraft 3D Animation	Ages 10-14	Pre-Architecture	Ages 10-14
Minecraft Mini-Games Galore	Ages 8-13	Programming - Hopscotch	Ages 8-13
Programming in Python - Introduction	Ages 10-14	Programming in Java - Introduction	Ages 13-15
YouTube Video Creation	Ages 8-13	Roblox Game Development	Ages 10-14

### Week 6 - July 27 - July 31

AM (9:00-12:30) - select one AM class for the week.		PM (1:30-5:00) - select one PM class for the week.	
Civil Engineering - Bridges and Buildings	Ages 8-10	Canvas Painting	Ages 8-13
Crazy Chemworks	Ages 7-10	Chemical Engineering: Polymers & Bioplastics	Ages 10-14
Minecraft and Chemistry	Ages 10-14	Detective/Spy Lab	Ages 7-10
Mixed Media Studio Art	Ages 8-13	Green Screen Creativity	Ages 8-13
Programming - Scratch	Ages 7-10	Lemonade Stand Entrepreneur	Ages 8-10
Shark Tank Entrepreneur	Ages 10-14	Minecraft and Coding	Ages 10-14
Virtual 3D Robot Coding	Ages 10-14	Virtual Reality	Ages 10-14
Virtual Reality	Ages 10-14	WeDo Robotics	Ages 6-9
Youngster - Scratch Junior	Ages 5-7	Youngster - Programming with Dash	Ages 5-7

### Week 7 - August 3 - August 7

AM (9:00-12:30) - select one AM class for the week.		PM (1:30-5:00) - select one PM class for the week.	
Detective/Spy Lab	Ages 7-10	Crazy Chemworks	Ages 7-10
Electrical Engineering with Makey-Makey	Ages 8-13	Engineering and Programming with Arduino	Ages 10-14
Makers Space & Math	Ages 8-10	Green Screen Creativity	Ages 8-13
Minecraft and Coding	Ages 10-14	Minecraft 3D Animation	Ages 10-14
Virtual 3D Robot Coding	Ages 10-14	Minecraft and Chemistry	Ages 10-14
Youngster - Programming with Dash	Ages 5-7	Youngster - Scratch Junior	Ages 5-7

Summit - 2020		Week 3	Week 4	Week 5	Week 6	Week 7
(AM = 9:00-12:30 ; PM = 1:30-5:00)		6-Jul	13-Jul	20-Jul	27-Jul	3-Aug
Acapella 101	Ages 8-13			PM		
Action Flix	Ages 8-11			AM		
Anatomy and Surgical Techniques Advanced	Ages 10-14			PM		
Anatomy and Surgical Techniques Beginner	Ages 10-14			AM		
App Design Using GameSalad - ios devices	Ages 10-14			AM		
Canvas Painting	Ages 8-13	AM			PM	
Chemical Engineering: Polymers & Bioplastics	Ages 10-14				PM	
Civil Engineering - Bridges and Buildings	Ages 8-10				AM	
Comic Creation	Ages 8-13	PM				
Crazy Chemworks	Ages 7-10		PM		AM	PM
Creative Writing Workshop	Ages 8-13	PM				
Detective/Spy Lab	Ages 7-10		AM		PM	AM
Drone Programming Advanced	Ages 10-14	PM				
Drone Programming Beginner	Ages 10-14	AM				
Electrical Engineering with Makey-Makey	Ages 8-13		AM			AM
Engineering - Flight and Aerospace	Ages 8-10		AM			
Engineering and Programming with Arduino	Ages 10-14		PM			PM
Engineering of Ice Cream / Food Science	Ages 8-10		PM			
Environmental Science / Conservation	Ages 10-14	AM				
Escape Room Creation	Ages 8-13		PM			
Eureka! The Inventors' Camp	Ages 7-10	PM				
Fashion Design on the Computer	Ages 8-13			AM		
Film-Making	Ages 8-13		AM			
Forensic Science	Ages 10-14	PM				
Graphic Design and GIMP	Ages 8-13		PM			
Green Screen Creativity	Ages 8-13	AM			PM	PM
Investment Literacy and Stock Market Game	Ages 10-14		AM			
Lemonade Stand Entrepreneur	Ages 8-10				PM	
Makers Space & Math	Ages 8-10			PM		AM
Math Competition Training	Ages 10-14		PM			
Minecraft 3D Animation	Ages 10-14					PM
Minecraft 3D Animation	Ages 10-14			AM		
Minecraft Advanced	Ages 10-14	AM				
Minecraft and Chemistry	Ages 10-14				AM	PM
Minecraft and Coding	Ages 10-14				PM	AM
Minecraft Creative - The Engineer in You	Ages 8-13		AM			
Minecraft Math	Ages 8-13		PM			
Minecraft Mega Mash-up	Ages 8-13			PM		
Minecraft Mini-Games Galore	Ages 8-13			AM		
Minecraft Survival for Beginners	Ages 5-10	PM				
Mixed Media Studio Art	Ages 8-13	PM			AM	
Murder Mystery Creation	Ages 10-14	AM				
Pre-Architecture	Ages 10-14			PM		
Programming - Hopscotch	Ages 8-13			PM		
Programming - Scratch	Ages 7-10				AM	
Programming in Java - Introduction	Ages 13-15			PM		
Programming in Python - Introduction	Ages 10-14			AM		
Public Speaking and Youth Leadership	Ages 8-13	AM				
Roblox Game Development	Ages 10-14			PM		
Shark Tank Entrepreneur	Ages 10-14				AM	
Shockingly Sticky Science	Ages 7-10	AM				
Stop-Action Animation	Ages 8-13		PM			
Video Game Creation Advanced	Ages 8-13		PM			
Video Game Creation Beginner	Ages 8-13		AM			
Virtual 3D Robot Coding	Ages 10-14	PM			AM	AM
Virtual Reality	Ages 10-14				AM, PM	
War and Peace Games - Game Theory	Ages 10-14		AM			
Website Design with Wordpress	Ages 8-13		AM			
WeDo Robotics	Ages 6-9				PM	
Youngster - Programming with Dash	Ages 5-7				PM	AM
Youngster - Scratch Junior	Ages 5-7				AM	PM
YouTube Video Creation	Ages 8-13			AM		

# SCHEDULES – DE – NEWARK

## NEWARK, DE 2020 CLASS SCHEDULE

### Week 4 - July 13 - July 17

AM (9:00-12:30) - select one AM class for the week.		PM (1:30-5:00) - select one PM class for the week.	
Minecraft Math	Ages 8-13	Creative Writing Workshop	Ages 10-12
Public Speaking and Youth Leadership	Ages 10-12	Eureka! The Inventors' Camp	Ages 7-10
Robotics with VEX IQ	Ages 11-15	Graphic Design and GIMP	Ages 8-13
Shockingly Sticky Science	Ages 7-10	Minecraft Advanced	Ages 10-14
Virtual Reality	Ages 10-14	Robotics with VEX IQ	Ages 11-15
Website Design with Wordpress	Ages 8-13	Virtual Reality	Ages 10-14

### Week 5 - July 20 - July 24

AM (9:00-12:30) - select one AM class for the week.		PM (1:30-5:00) - select one PM class for the week.	
3D Printing Beginner	Ages 10-14	3D Printing Advanced	Ages 10-14
Crazy Chemworks	Ages 7-10	Detective/Spy Lab	Ages 7-10
Investment Literacy and Stock Market Game	Ages 10-14	Math Competition Training	Ages 10-14
Minecraft Survival for Beginners	Ages 8-11	Minecraft Creative - The Engineer in You	Ages 8-13
Programming - Scratch	Ages 8-11	Programming in Python - Introduction	Ages 12-14
Roblox Game Development	Ages 10-12	YouTube Video Creation	Ages 10-14

### Week 6 - July 27 - July 31

AM (9:00-12:30) - select one AM class for the week.		PM (1:30-5:00) - select one PM class for the week.	
Anatomy and Surgical Techniques Beginner	Ages 10-14	Chemical Engineering: Polymers & Bioplastics	Ages 10-14
Graphic Design and GIMP	Ages 8-13	Minecraft Math	Ages 8-13
Lemonade Stand Entrepreneur	Ages 8-11	Roblox Game Development	Ages 10-12
Minecraft Advanced	Ages 10-14	Shark Tank Entrepreneur	Ages 10-14
Virtual Reality	Ages 10-14	Virtual Reality	Ages 10-14
YouTube Video Creation	Ages 10-14	Website Design with Wordpress	Ages 8-13

### Week 7 - August 3 - August 7

AM (9:00-12:30) - select one AM class for the week.		PM (1:30-5:00) - select one PM class for the week.	
3D Printing Advanced	Ages 10-14	3D Printing Beginner	Ages 10-14
App Design Using GameSalad	Ages 10-14	Engineering - Flight and Aerospace	Ages 8-11
Board Game Play & Design	Ages 8-11	Investment Literacy and Stock Market Game	Ages 10-14
Civil Engineering - Bridges and Buildings	Ages 8-11	Programming - Scratch	Ages 8-11
Math Competition Training	Ages 10-14	Video Game Creation	Ages 10-14
Programming in Python - Introduction	Ages 12-14	War and Peace Games - Game Theory	Ages 10-14

### Week 8 - August 10 - August 14

AM (9:00-12:30) - select one AM class for the week.		PM (1:30-5:00) - select one PM class for the week.	
Chemical Engineering: Polymers & Bioplastics	Ages 10-14	Anatomy and Surgical Techniques Beginner	Ages 10-14
Creative Writing Workshop	Ages 8-11	App Design Using GameSalad	Ages 10-14
Shark Tank Entrepreneur	Ages 10-14	Graphic Design and GIMP	Ages 8-13
Video Game Creation	Ages 10-14	Lemonade Stand Entrepreneur	Ages 8-11
Virtual Reality	Ages 10-14	Public Speaking and Youth Leadership	Ages 10-12
Website Design with Wordpress	Ages 8-13	Virtual Reality	Ages 10-14

### Week 9 - August 17 - August 21

AM (9:00-12:30) - select one AM class for the week.		PM (1:30-5:00) - select one PM class for the week.	
3D Printing Beginner	Ages 10-14	3D Printing Beginner	Ages 10-14
Board Game Play & Design	Ages 8-11	Civil Engineering - Bridges and Buildings	Ages 8-11
Engineering - Flight and Aerospace	Ages 8-11	Minecraft Survival for Beginners	Ages 8-11
Minecraft Creative - The Engineer in You	Ages 8-13	Programming - Scratch	Ages 8-11
Programming in Python - Introduction	Ages 12-14	Robotics with VEX IQ	Ages 11-15
Robotics with VEX IQ	Ages 11-15	War and Peace Games - Game Theory	Ages 10-14

All classes are capped at 12 students. Registration is based on first-come, first-serve basis.

<b>Newark, DE - 2020</b>		<b>Week 4</b>	<b>Week 5</b>	<b>Week 6</b>	<b>Week 7</b>	<b>Week 8</b>	<b>Week 9</b>
<b>(AM = 9:00-12:30 ; PM = 1:30-5:00)</b>		<b>13-Jul</b>	<b>20-Jul</b>	<b>27-Jul</b>	<b>3-Aug</b>	<b>10-Aug</b>	<b>17-Aug</b>
3D Printing Advanced	Ages 10-14		PM		AM		
3D Printing Beginner	Ages 10-14		AM		PM		AM, PM
Anatomy and Surgical Techniques Beginner	Ages 10-14			AM		PM	
App Design Using GameSalad - ios devices	Ages 10-14				AM	PM	
Board Game Play & Design	Ages 8-11				AM		AM
Chemical Engineering: Polymers & Bioplastics	Ages 10-14			PM		AM	
Civil Engineering - Bridges and Buildings	Ages 8-10				AM		PM
Crazy Chemworks	Ages 7-10		AM				
Creative Writing Workshop	Ages 10-12	PM				AM	
Detective/Spy Lab	Ages 7-10		PM				
Engineering - Flight and Aerospace	Ages 8-10				PM		AM
Eureka! The Inventors' Camp	Ages 7-10	PM					
Graphic Design and GIMP	Ages 8-13	PM		AM		PM	
Investment Literacy and Stock Market Game	Ages 10-14		AM		PM		
Lemonade Stand Entrepreneur	Ages 8-11			AM		PM	
Math Competition Training	Ages 10-14		PM		AM		
Minecraft Advanced	Ages 10-14	PM		AM			
Minecraft Creative - The Engineer in You	Ages 8-13		PM				AM
Minecraft Math	Ages 8-13	AM		PM			
Minecraft Survival for Beginners	Ages 8-11		AM				PM
Programming - Scratch	Ages 8-11		AM		PM		PM
Programming in Python - Introduction	Ages 12-14		PM		AM		AM
Public Speaking and Youth Leadership	Ages 10-12	AM				PM	
Roblox Game Development	Ages 10-14		AM	PM			
Robotics with VEX IQ	Ages 11-15	AM, PM					AM, PM
Shark Tank Entrepreneur	Ages 10-14			PM		AM	
Shockingly Sticky Science	Ages 7-10	AM					
Video Game Creation	Ages 8-13				PM	AM	
Virtual Reality	Ages 10-14	AM, PM		AM, PM		AM, PM	
War and Peace Games - Game Theory	Ages 10-14				PM		PM
Website Design with Wordpress	Ages 8-13	AM		PM		AM	
YouTube Video Creation	Ages 10-14		PM	AM			

# SCHEDULES – MD – OWINGS MILLS

## OWINGS MILLS, MD 2020 CLASS SCHEDULE

All classes are capped at 12 students. Registration is based on first-come, first-serve basis.

### Week 2 - June 29 - July 3

AM (9:00-12:30) - select one AM class for the week.		PM (1:30-5:00) - select one PM class for the week.	
3D Printing Beginner	Ages 10-14	3D Printing Beginner	Ages 10-14
Board Game Play & Design	Ages 8-11	Action Flix	Ages 8-11
Lego Flix	Ages 8-11	Programming - Scratch	Ages 8-11
Programming in Python - Introduction	Ages 12-14	Robotics with VEX IQ	Ages 11-15
Robotics with VEX IQ	Ages 11-15	War and Peace Games - Game Theory	Ages 10-14

### Week 3 - July 6 - July 10

AM (9:00-12:30) - select one AM class for the week.		PM (1:30-5:00) - select one PM class for the week.	
Public Speaking and Youth Leadership	Ages 10-12	Creative Writing Workshop	Ages 10-12
Robotics with VEX IQ	Ages 11-15	Film-Making	Ages 8-11
Stop-Action Animation	Ages 8-11	Graphic Design and GIMP	Ages 10-14
Virtual Reality	Ages 10-14	Robotics with VEX IQ	Ages 11-15
Website Design with Wordpress	Ages 10-14	Virtual Reality	Ages 10-14

### Week 4 - July 13 - July 17

AM (9:00-12:30) - select one AM class for the week.		PM (1:30-5:00) - select one PM class for the week.	
3D Printing Beginner	Ages 10-14	3D Printing Advanced	Ages 10-14
Action Flix	Ages 8-11	Lego Flix	Ages 8-11
Investment Literacy and Stock Market Game	Ages 10-14	Math Competition Training	Ages 10-14
Programming - Scratch	Ages 8-11	Programming in Python - Introduction	Ages 12-14
Roblox Game Development	Ages 10-12	YouTube Video Creation	Ages 10-14

### Week 5 - July 20 - July 24

AM (9:00-12:30) - select one AM class for the week.		PM (1:30-5:00) - select one PM class for the week.	
Film-Making	Ages 8-11	Roblox Game Development	Ages 10-12
Graphic Design and GIMP	Ages 10-14	Shark Tank Entrepreneur	Ages 10-14
Lemonade Stand Entrepreneur	Ages 8-11	Stop-Action Animation	Ages 8-11
Virtual Reality	Ages 10-14	Virtual Reality	Ages 10-14
YouTube Video Creation	Ages 10-14	Website Design with Wordpress	Ages 10-14

### Week 6 - July 27 - July 31

AM (9:00-12:30) - select one AM class for the week.		PM (1:30-5:00) - select one PM class for the week.	
3D Printing Advanced	Ages 10-14	3D Printing Beginner	Ages 10-14
App Design Using GameSalad	Ages 10-14	Investment Literacy and Stock Market Game	Ages 10-14
Board Game Play & Design	Ages 8-11	Programming - Scratch	Ages 8-11
Math Competition Training	Ages 10-14	Video Game Creation	Ages 8-13
Programming in Python - Introduction	Ages 12-14	War and Peace Games - Game Theory	Ages 10-14

### Week 7 - August 3 - August 7

AM (9:00-12:30) - select one AM class for the week.		PM (1:30-5:00) - select one PM class for the week.	
Creative Writing Workshop	Ages 8-11	App Design Using GameSalad	Ages 10-14
Shark Tank Entrepreneur	Ages 10-14	Graphic Design and GIMP	Ages 8-13
Video Game Creation	Ages 8-13	Lemonade Stand Entrepreneur	Ages 8-11
Virtual Reality	Ages 10-14	Public Speaking and Youth Leadership	Ages 10-12
Website Design with Wordpress	Ages 10-14	Virtual Reality	Ages 10-14

<b>Owings Mills - 2020</b>		<b>Week 2</b>	<b>Week 3</b>	<b>Week 4</b>	<b>Week 5</b>	<b>Week 6</b>	<b>Week 7</b>
<b>(AM = 9:00-12:30 ; PM = 1:30-5:00)</b>		<b>29-Jun</b>	<b>6-Jul</b>	<b>13-Jul</b>	<b>20-Jul</b>	<b>27-Jul</b>	<b>3-Aug</b>
3D Printing Advanced	Ages 10-14			PM		AM	
3D Printing Beginner	Ages 10-14	AM, PM		AM		PM	
Action Flix	Ages 8-11	PM		AM			
App Design Using GameSalad - ios devices	Ages 10-14					AM	PM
Board Game Play & Design	Ages 8-11	AM				AM	
Creative Writing Workshop	Ages 10-12		PM				AM
Film-Making	Ages 8-11		PM		AM		
Graphic Design and GIMP	Ages 10-14		PM		AM		PM
Investment Literacy and Stock Market Game	Ages 10-14			AM		PM	
Lego Flix	Ages 8-11	AM		PM			
Lemonade Stand Entrepreneur	Ages 8-11				AM		PM
Math Competition Training	Ages 10-14			PM		AM	
Programming - Scratch	Ages 8-11	PM		AM		PM	
Programming in Python - Introduction	Ages 12-14	AM		PM		AM	
Public Speaking and Youth Leadership	Ages 10-12		AM				PM
Roblox Game Development	Ages 10-12			AM	PM		
Robotics with VEX IQ	Ages 11-15	AM, PM	AM, PM				
Shark Tank Entrepreneur	Ages 10-14				PM		AM
Stop-Action Animation	Ages 8-13		AM		PM		
Video Game Creation Beginner	Ages 8-13					PM	AM
Virtual Reality	Ages 10-14		AM, PM		AM, PM		AM, PM
War and Peace Games - Game Theory	Ages 10-14	PM				PM	
Website Design with Wordpress	Ages 10-14		AM		PM		AM
YouTube Video Creation	Ages 10-14			PM	AM		

# SCHEDULES – PA – LITITZ

## LITITZ, PA 2020 CLASS SCHEDULE

Week 1 - June 22 - June 26			
AM (9:00-12:30) - select one AM class for the week.		PM (1:30-5:00) - select one PM class for the week.	
Minecraft Math	Ages 8-13	Creative Writing Workshop	Ages 10-12
Public Speaking and Youth Leadership	Ages 10-12	Eureka! The Inventors' Camp	Ages 7-10
Robotics with VEX IQ	Ages 11-15	Graphic Design and GIMP	Ages 8-13
Shockingly Sticky Science	Ages 7-10	Minecraft Advanced	Ages 10-14
Virtual Reality	Ages 10-14	Robotics with VEX IQ	Ages 11-15
Website Design with Wordpress	Ages 8-13	Virtual Reality	Ages 10-14

Week 2 - June 29 - July 3			
AM (9:00-12:30) - select one AM class for the week.		PM (1:30-5:00) - select one PM class for the week.	
3D Printing Beginner	Ages 10-14	3D Printing Advanced	Ages 10-14
Crazy Chemworks	Ages 7-10	Detective/Spy Lab	Ages 7-10
Investment Literacy and Stock Market Game	Ages 10-14	Math Competition Training	Ages 10-14
Minecraft Survival for Beginners	Ages 8-11	Minecraft Creative - The Engineer in You	Ages 8-13
Programming - Scratch	Ages 8-11	Programming in Python - Introduction	Ages 12-14
Roblox Game Development	Ages 10-12	YouTube Video Creation	Ages 10-14

Week 3 - July 6 - July 10			
AM (9:00-12:30) - select one AM class for the week.		PM (1:30-5:00) - select one PM class for the week.	
Anatomy and Surgical Techniques Beginner	Ages 10-14	Chemical Engineering: Polymers & Bioplastics	Ages 10-14
Graphic Design and GIMP	Ages 8-13	Minecraft Math	Ages 8-13
Lemonade Stand Entrepreneur	Ages 8-11	Roblox Game Development	Ages 10-12
Minecraft Advanced	Ages 10-14	Shark Tank Entrepreneur	Ages 10-14
Virtual Reality	Ages 10-14	Virtual Reality	Ages 10-14
YouTube Video Creation	Ages 10-14	Website Design with Wordpress	Ages 8-13

Week 4 - July 13 - July 17			
AM (9:00-12:30) - select one AM class for the week.		PM (1:30-5:00) - select one PM class for the week.	
3D Printing Advanced	Ages 10-14	3D Printing Beginner	Ages 10-14
App Design Using GameSalad	Ages 10-14	Engineering - Flight and Aerospace	Ages 8-11
Board Game Play & Design	Ages 8-11	Investment Literacy and Stock Market Game	Ages 10-14
Civil Engineering - Bridges and Buildings	Ages 8-11	Programming - Scratch	Ages 8-11
Math Competition Training	Ages 10-14	Video Game Creation	Ages 10-14
Programming in Python - Introduction	Ages 12-14	War and Peace Games - Game Theory	Ages 10-14

All classes are capped at 12 students. Registration is based on first-come, first-serve basis.

<b>Lititz - 2020</b>		<b>Week 1</b>	<b>Week 2</b>	<b>Week 3</b>	<b>Week 4</b>
(AM = 9:00-12:30 ; PM = 1:30-5:00)		<b>22-Jun</b>	<b>29-Jun</b>	<b>6-Jul</b>	<b>13-Jul</b>
3D Printing Advanced	Ages 10-14		PM		AM
3D Printing Beginner	Ages 10-14		AM		PM
Anatomy and Surgical Techniques Beginner	Ages 10-14			AM	
App Design Using GameSalad - ios devices	Ages 10-14				AM
Board Game Play & Design	Ages 8-11				AM
Chemical Engineering: Polymers & Bioplastics	Ages 10-14			PM	
Civil Engineering - Bridges and Buildings	Ages 8-10				AM
Crazy Chemworks	Ages 7-10		AM		
Creative Writing Workshop	Ages 10-12	PM			
Detective/Spy Lab	Ages 7-10		PM		
Engineering - Flight and Aerospace	Ages 8-10				PM
Eureka! The Inventors' Camp	Ages 7-10	PM			
Graphic Design and GIMP	Ages 8-13	PM		AM	
Investment Literacy and Stock Market Game	Ages 10-14		AM		PM
Lemonade Stand Entrepreneur	Ages 8-11			AM	
Math Competition Training	Ages 10-14		PM		AM
Minecraft Advanced	Ages 10-14	PM		AM	
Minecraft Creative - The Engineer in You	Ages 8-13		PM		
Minecraft Math	Ages 8-13	AM		PM	
Minecraft Survival for Beginners	Ages 8-11		AM		
Programming - Scratch	Ages 8-11		AM		PM
Programming in Python - Introduction	Ages 12-14		PM		AM
Public Speaking and Youth Leadership	Ages 10-12	AM			
Roblox Game Development	Ages 10-14		AM	PM	
Robotics with VEX IQ	Ages 11-15	AM, PM			
Shark Tank Entrepreneur	Ages 10-14			PM	
Shockingly Sticky Science	Ages 7-10	AM			
Video Game Creation	Ages 8-13				PM
Virtual Reality	Ages 10-14	AM, PM		AM, PM	
War and Peace Games - Game Theory	Ages 10-14				PM
Website Design with Wordpress	Ages 8-13	AM		PM	
YouTube Video Creation	Ages 10-14		PM	AM	

## Class Descriptions

### Robotics

#### Robotics – LEGO® - Animals – Ages 9-11

Students learn how to build and program the LEGO® Mindstorms NXT robots to emulate real life movements such as scuttling like an inchworm, crawling like a spider, following like a puppy dog and striking like a rattlesnake. This class teaches the common programming blocks. Creative robot construction, team-oriented challenges, variations of input sensors will stimulate your child's imagination. Both beginners and students with knowledge of LEGO® Mindstorms® NXT can take this class. This class is at the same level as "Robotics – Half-Day – Vehicles" - either one can be taken first.

#### Robotics – LEGO® – Vehicles – Ages 9-11

Students learn how to build and program the amazing LEGO® Mindstorms® NXT robot. They use their new skills to meet challenges such following lines, processing sound, navigating a maze and ultimately building their race car. This class will introduce programming concepts such as repeat loops, if/then statements, and the use of the external inputs such as touch, sound and light sensors. Logic, technology and creativity are combined to provide hours of learning fun! Both beginners and students with knowledge of LEGO® Mindstorms® NXT can take this class. This class is at the same level as "Robotics - Half-Day - Animals" so either one can be taken first.

#### Robotics – VEX IQ – Ages 11-15

VEX IQ is a snap-together robotics system to provide future engineers the opportunity to build and program robots. Students will learn about sensors, motors, gear ratios and object manipulation. Students advance to programming tele-operated robots which navigate through challenges. Some of the robots students will build and program include a bulldozer and forklifts.

#### LEGO® WeDo Robotics – Ages 6-9

Using the LEGO® Education WeDo™ Robotics Construction Set, the students are introduced to simple robotics through building models, attaching sensors and motors, and using a computer to program the model's behavior. Robot models include dancing birds, smart spinner, drumming monkey, hungry alligator, roaring lion, flapping bird, soccer kicker, soccer goalie, and cheerful fans, airplane, a giant, sailboat and larger models such as a tower crane, an intelligent house, a

Ferris wheel, and a car. Students will also learn about simple engineering concepts such as pulleys, belts, gears and levels, while having a blast with their creations. NOTE: This class can be taken multiple times as there are twenty models of increasing difficulty that usually take two to three weeks to complete.

#### Virtual 3D Robot Coding – Ages 10-14

Students learn to program virtual Lego EV3 robots using CoderZ, a drag and drop coding application. Coders will be given missions that require them to use commands related to navigation, manipulating sensors, detecting and manipulating objects, and making decisions based on inputs. They are introduced to computer science fundamentals like variables, conditional logic, loops, smart functions and more.

# Computer Programming

## Computer Programming – Hopscotch – Ages 9-13

Hopscotch is a programming language designed for the iPad. It's drag-and-drop programming (Hopscotch is also the creator of Daisy the Dinosaur for younger kids) that lets kids build games, graphics, and apps. Kids can share projects online and follow the Hopscotch blog.

## Computer Programming – Scratch – Ages 7-10 and Ages 8-11

Scratch is a programming language developed by MIT Media Lab where kids can create and share their interactive stories, animation or simple games. Using simple drag-and-drop programming, students can create art, animation, and games. In the process, they are subtly exposed to basic programming concepts such as conditional statements, iteration, variables, and event triggers. Students share their creations with the rest of the class at the end of the week. This is the class to stretch the imagination of a budding programmer.

## Computer Programming - Java - Introduction – Ages 13-15

Java is one of the most popular programming languages in the world. Students learn the fundamentals of this programming language through step-by-step instruction of key concepts like types, variables, the standard I/O and game loop. Students will be given mini-projects to reinforce their skill-building.

## Python Programming - An Introduction – Ages 10-14 and Ages 12-14

Python is a computer programming language that is excellent for aspiring computer programmers to start with. Python has easy-to-read syntax and programmers can quickly see the output of their programs. In this class, students will learn various commands like "print", "input" and use mathematical operators, loops and conditional statements.

## Youngster – Scratch Junior – Ages 5-7

Scratch Jr is an introductory programming language that enables youngsters to create their own interactive stories and games. Children snap together graphical programming blocks to make characters move, jump, dance, and sing. Children can modify characters in the paint editor, add their own voices and sounds, even insert photos of themselves — then use the programming blocks to make their characters come to life. During the course of the week, students will create a collage, a story and game. They will also go outside to play typical playground games like tag and monkey in the middle and then go inside and replicate these games on Scratch Jr.

## Engineering and Programming with Arduino – Ages 10-14

Do you ever wonder how gadgets work? Students will be engineering and programming their own electronic circuits, motors, sensors and controllers to do a range of tasks using the Arduino™ electronics platform. They will use the engineering design process (i.e. create, test, improve) to break down a problem, design a solution and build it!

## Virtual 3D Robot Coding – Ages 10-14

Students learn to program virtual Lego EV3 robots using CoderZ, a drag and drop coding application. Coders will be given missions that require them to use commands related to navigation, manipulating sensors, detecting and manipulating objects, and making decisions based on inputs. They are introduced to computer science fundamentals like variables, conditional logic, loops, smart functions and more.

# Video Game Creation

## App Design Using GameSalad® (Apple ios) – Ages 10-14

Students create their very own mobile game from the ground up. Utilizing GameSalad® software, our teachers will walk through every step of developing mobile games for Apple devices. Covered concepts include repeat loops, conditional statements, variables, events, synchronization and game physics. GameSalad is a drag and drop game design engine with an intuitive interface.

## Roblox Game Development – Various Ages Ranges

Roblox is the largest user-generated online gaming platform, and over 15 million games created by users. Students will use Roblox to create adventures which can be published to smartphones, tablets, desktops and consoles. Kids learn the Lua coding using the Roblox text editor to create 3D worlds and explore the use of conditionals, loops, arrays, inheritance, and more!

## Video Game Creation - Beginner – Ages 8-13

Students create their very own computer video game from the ground up. Utilizing ClickStream Fusion® software, our teachers will walk through every step of developing a customized functional arcade-style video game. This includes creating various objects such as the player, enemies, bonuses, designing multiple levels, assigning health and lives, and programming object movements. In addition to having fun and gaining a sense of accomplishment, students learn the elements of good game design, drag-and-drop programming, and incorporated logic such as repeat loops, conditional statements, object parenting.

## Video Game Creation – Advanced – Ages 8-13

Students will design and build games using the user-friendly Clickstream Fusion® interface to create the navigation, controls, instructions, characters and setting to an exciting game from their imagination. Students will explore advanced concepts such as menu trees, prototyping, testing, publishing, advertising and developing social games. The teacher will also cover the history and genres of handheld games which will help students think through the type and design of their game.

## Virtual Reality – Ages 10-14

This Virtual Reality class engages students with coding, game and app design and VR game-play using the Oculus Go, a stand-alone virtual reality VR headset.

Students will use Unity, a game design engine to create 3D environments. Students will program in C# and apply game objects, models and levels to create environments. Students will ultimately experience and modify interactive virtual reality games! \*Note – Student does not take the Oculus Go headsets home.

# Digital Design

## Fashion Design on the Computer – Ages 8-13

Does your child have a favorite fashion designer already? Your child may be the next Vera Wang or Ralph Lauren. In this class, students create their own fashion collection using the powerful design software, Inkscape. Students start their creative process thinking about their inspiration and style. They will be making design choices around fabrics, color schemes and patterns. At the end of class, these student designers will present their collection to potential "buyers".

## Graphic Design and GIMP – Ages 8-13

Students will be creating imaginary animals, collages, personal logos, video game covers, pixel art, vampire portraits and wacky landscapes while learning different tools in GIMP, a free image manipulation and creation software that is similar to Photoshop, the standard in several industries including film, photography and print. Students will learn to scan and import images, combine and transform images, and export to web and print.

## 3D Printing Beginners – Ages 10-14

3D printing is the technology that will change the way we live! Students will learn how to use Tinkercad, a design software used for creating 3D models. Students will learn to design, sculpt, texture, arrange and render their 3D models. Students in the past have created jewelry, phone cases and ornaments. At the completion of the course, every student will have at least one 3D object from their projects to take home.

## 3D Printing Advanced – Ages 10-14

Students further their 3D modeling skills by exploring more sophisticated CAD (computer-aided design) tools like FreeCad and SketchUp Make. They will design their own 3D puzzle, magic box and prototype of an invention their creativity brings to life. At the completion of the course, every student will have at least one 3D object from their projects to take home.

**Prerequisite: 3D Printing Beginners.**

## Website Design with Wordpress – Ages 8-13 and Ages 10-14

Students will create their website in one week using WordPress, the most popular website-creation tool that requires no coding. They will learn to organize their thoughts in a theme, develop content, understand design and create web pages using the template driven tool. Students will learn to use popular plugins to make contact forms, sliders, polls, photo galleries, maps and blogs. At the end of the class, students have the option of publishing their website.

## Minecraft®

### Minecraft® 3D Animation – Ages 10-14

Have ever seen a Minecraft animated short and wanted to make your own, or love animated movies and wonder how they're made? This course is for you! In this course, students will learn the fundamentals of making short 3D animations using Minemator, a computer animation program that utilizes assets from the ever-popular game Minecraft. Over the course of the week, students will learn about the fundamentals of keyframe animation, storyboarding, camera movement, and lighting as they create fully animated videos with their Minecraft characters!

### Minecraft® Survival for Beginners – Ages 5-10 and Ages 8-11

The class will cover the basics of Minecraft in survival mode, including basic controls, managing inventory, how to survive the first night, avoiding hunger, building, mining, farming, reaching the Nether and conquering the end. Imagine playing survival with all the players in the same room, working together for a common goal. The teacher will facilitate discussions on traits of good teamwork.

### Minecraft® and Chemistry – Ages 10-14

Students discover the building blocks of matter, combine elements into useful compounds and Minecraft items, and conduct amazing experiments in Minecraft worlds. Using the Element Constructor, students make elements using different combinations of protons, neutrons and electrons. Using the Compound Creator, students learn how to construct Minecraft materials like water, super-fertilizer, underwater torches, underwater TNT by combining different elements.

### Minecraft® and Coding – Ages 10-14

This class uses MakeCode for Minecraft editor which allows students to create and program Minecraft items which have the pixelated look and feel of Minecraft. MakeCode allows coding with visual blocks, based on a drag and drop interface for beginners. This class will go over fundamental programming concepts like variables, control flow, if statements, loops and functions. Students will have fun programming superpowers like mega jumping, walking on water and fast forwarding; creating mods like chicken rain, zombie pigs, rabbit invasions; terraforming like TNT mega blocks, lava towers and pitfall. Students will also create mini-games.

### Minecraft® Creative- Finding the Engineer in You – Ages 8-13

Students will be building their dream home, setting up their village, replicating a famous building like the White House and building the Golden Gate Bridge as a team. Students will explore effective communications skills through discussions and group exercises in Minecraft.

### Minecraft® Math – Ages 8-13

While playing Minecraft, students will have to conquer math problems in order to open doors and get needed tools and inventory items. The focus of the math problems are (1) order of operations, (2) word problems (3) multiplication (4) division and (5) fractions. You can calculate your way through survival mode!

### Minecraft® Mega Mash-up – Ages 8-13

Minecraft Mega Mashup combines some of our camp's most popular subjects including: Minecraft, Computer Programming (using a Scratch-like interface), Video Games, and Virtual Reality to bring our students a brand new camp experience. Students will explore a number of topics in these areas that will leave them with new knowledge, new experiences, and new passions.

### Minecraft® Mini-Games Galore – Ages 8-13

Problem-solving skills and creativity will be put to the test with this Minecraft Mini-Games Galore class. Only those enjoy a little competition but can show great sportsmanship should take this class.

### Minecraft® Advanced – Ages 10-14

Students explore more advanced topics like engineering with Redstone, using enchantments, brewing potions, surviving zombie sieges and excavating structures. Students will also learn about World Edit, an application that enables Minecraft enthusiasts to build and edit maps.

# Science & Engineering

## Anatomy and Surgical Techniques, Beginners Ages 10-14

This class is for students who wonder about being a physician or surgeon. In this class, students will investigate how the body works by participating in hands-on activities, such as dissections and construction of physiological system maps (skeletal, nervous, circulatory, immune). Students will conduct simulated surgeries, perform biopsies, and learn how to suture. Students will also learn about important medical/surgical breakthroughs and famous medical marvels throughout history. This class was developed by the New York Hall of Science.

## Anatomy and Surgical Techniques, Advanced Ages 10-14

This class is for students who loved the Beginner Anatomy and Technical Techniques class. In this Advanced class, students will delve deeper into the cardiovascular, respiratory, digestive, urinary and reproductive systems and dissect a fetal pig. In addition, students explore the anatomy of fish, the largest group of vertebrates found in water and dissect a perch. Students will discuss how its structures make it ideally suited to living in an aquatic environment.

**Prerequisite: Anatomy and Surgical Techniques, Beginners.**

## Chemical Engineering - Polymers & Bioplastics—Ages 8-13 and Ages 10-14

When plastic items are thrown in the trash, they can quickly pile up in landfills and create a big mess! Students use their chemical engineering skills to explore problems created by traditional plastic materials and engineer bioplastics—plastics made from plant-based materials—as a potential solution to current plastic problems. Students will explore exciting new polymers that use environmentally friendly, biodegradable ingredients like corn, tapioca and even algae and their applications. Developed by Engineering is Elementary, Museum of Science Boston.

## Civil Engineering - Bridges and Earthquake-Resistant Buildings – Ages 8-10, Ages 8-13

When civil engineers design bridges and buildings, they must take into account factors like balance and motion. This unit introduces the principles behind “push” and “pull” as they explore how forces act on different structures. They’ll use what they know about balance and force as they experiment with beam, arch, and suspension bridges. Students plan, build, and test their

own bridges. Students will also learn how to support and protect buildings during earthquakes. Students will engineer model buildings that are earthquake resistant while exploring how earthquakes impact buildings of different heights and shapes.

## Crazy Chemworks – Ages 7-10

Shake up a flask of fun in the lab and become a junior chemist! Learn to recognize chemical reactions and mix up a few reactive ingredients for some sensational results. Check out the colors of chemistry with the power of pH paper and create a stopper-popping reaction. Probe the properties of light and discover some unusual applications of glow-in-the-dark technology. Students have a blast as they make some crazy concoctions. Take home projects include a reaction tube kit, atomic coins, slippery slime, Professor Beakerdude and more! This course is offered in partnership with Mad Science.

## Detective/Spy Lab – Ages 7-10

Step into the shoes of a detective — uncover the science involved in evidence gathering and analysis. Student will use the powers of observations and investigative gear to find, collect and analyze evidence. Students also become a super-spy. They build binoculars; discover what it takes to keep things safe and how technology works in the spy game! They will take turns on short surveillance shifts to test their observation abilities and create their very own Secret Safe while challenging others to crack the code! This course is offered in partnership with Mad Science.

## Drone Programming Beginner- Ages 10-14

Students will learn how to build, program, and fly industry-grade drones using a professional kit and an open-source coding environment. Students will learn the mechanics of UAV (unmanned aerial vehicle) flight through hands-on demos; learn the process of designing and programming drone software, from engineering basic flight controls to building autonomous navigators and voice-control applications; interact with infrared, gyroscopic, and other sensors; and learn about regulations, ethics, and other key industry questions. By the end of the week, students will be able to use their skills to build, fly, and program drones.

**Supplemental Fee:** There is an additional \$130 fee for the purchase of the drone, which the student will build and use during class and will take home after the class is completed. The retail value of the drone is \$180. Click on this link for more information.

**Prerequisites:** Java Level 1 or Python Level 1 or equivalent programming experience.

### Drone Programming Advanced- Ages 10-14

Students will extend what they learned in Drone Programming – Beginner and master drone flying in terms of accuracy and speed. Students will set up obstacle courses for each other to test each other's drone maneuvering. In addition, with the addition of a camera attachment, students learn to use their drone as a flying camera. Their ultimate challenge is to race their drone through an obstacle course of touch points, flags, and gates while using their camera for navigation.

Supplemental Fee: There is an additional \$40 fee for the purchase of the camera attachment for the drone. Click on this link for more information.

Prerequisites: Java Level 1 or Python Level 1 or equivalent programming experience. REQUIREMENT: Students must bring a working drone (purchased in the Drone Programming – Beginner class) to this class.

### Electrical Engineering with Makey-Makey – Ages 8-13

Students will obtain an introduction in electrical engineering by tinkering with Makey Makey, a circuit board kit that can be used to connect objects with a computer, transforming those objects into computer keys or mouse clicks. Students can invent new devices, instruments and controllers with objects that conduct electricity. For instance, bananas turn into piano keys. Students learn about the fundamentals of circuits and how computers work while boosting their creativity

### Engineering: Flight & Aerospace, Ages 8-10

Aerospace engineers design things that fly both inside and outside of our atmosphere, while aeronautical (flight) engineers design things that only fly inside of our atmosphere. Students dive into aeronautical engineering by designing models of flying technologies that help collect aerial photographs. Students also learn how to engineer rovers that can be used to explore faraway worlds in space while addressing trade-offs and variables involved in engineering.

### Engineering and Programming with Arduino - Ages 10-14

Do you ever wonder how gadgets work? Students will be engineering and programming their own electronic circuits, motors, sensors and controllers to do a range of tasks using the Arduino™ electronics platform. They will use the engineering design process (i.e. create, test, improve) to break down a problem, design a solution and build it!

### Engineering Discovery Workshop – Ages 7-10

Students use the Engineering Design Process to design, create, test, race, and refine a variety of race cars. They may also build their own electro-magnets and explore and refine a variety of machines and mechanical systems. Students will learn the basics of structural mechanics, simple machines, and other design and engineering concepts while possibly constructing giant labyrinths, simple rockets, roller coasters, and other fun creations. All children will create and get to keep at least 1 of their creations each day.

### Engineering of Ice Cream / Food Science– Ages 8-10

Students are introduced the engineering design process to solve a team-based challenges. Ever wonder how ice cream gets to be so creamy and delicious? They will explore the process of making ice cream, developing new ice cream flavors and improving the packaging for ice cream, all from an engineer's perspective towards problem-solving. This class was developed by The Museum of Science in Boston.

### Environmental Science / Conservation, Ages 10-14

Future environmental leaders will explore today's most pressing environmental issues, like climate change, pollution, deforestation, loss of biodiversity, water scarcity, and research policies and actions being taken to address these issues. Similar to biologist and ecologists, students will collect samples of soil and water and analyze basic composition, acidity pH, pollution levels and nutrient content. Students will also study LEED guidelines, the nationally recognized standards for sustainable construction, to evaluate local and famous buildings and design a sustainable building project on their own.

### Eureka! The Inventors' Camp – Ages 7-10

Children will overcome a series of challenges using basic materials, simple machines, tips from famous inventors and – most important of all – their mind. With a little bit of ingenuity children will create catapults and forts, construct working light sticks to take home and assemble a set of circuits with batteries and light bulbs. While Thomas Edison said "invention is 10% inspiration and 90% perspiration", this class is 100% FUN! This course is offered in partnership with Mad Science.

### Forensic Science – Ages 10-14

Students will learn and apply the various techniques used during a crime scene investigation, including what types of evidence to collect and how that evidence can be used to deduce information about the crime and/or perpetrator. Students will learn such investigative

strategies as measuring stride length from footprints left at the scene to calculate height; using the victim's temperature to estimate the time of death; and collecting blood and other DNA samples from the scene in order to conduct a variety of biological tests—including blood typing and DNA fingerprinting that can match a suspect to the crime.

### Shockingly Sticky Science – Ages 7-10

In Shockingly Sticky Science, students will learn Watts-Up with electricity and build their own static tubes, learn the marvels of magnets as they construct their own Magnet Maze, and get sticky with polymers (a.k.a. slime)! We will create our own soda pop and as a grand finale students will learn all about heat and get to make their own cotton candy to eat!! This program promises to be educational and entertaining. This course is offered in partnership with Mad Science.

# Math & Business

## Investment Literacy and Stock Market Game – Ages 10-14

This class allows students to apply skills in math, language arts and social studies to real world financial decisions. We use the Stock Market Game (TM) endorsed by the New York Stock Exchange. Students take part in the following steps: (1) Start with \$100,000 in virtual cash and learn financial concepts like compound interest and long-term savings. (2) Collaborate and research companies and current events. (3) Create, manage and analyze their online investment portfolio using a state-of-the-art trading platform by buying and selling stocks. Topics covered include: What is a company? What is a stock? What is diversification? What is a bond? What is risk? What cause stock prices to change? How does money grow over time? What are dividends and earnings?

## Lemonade Stand Entrepreneur – Ages 8-10 and Ages 8-11

Take the challenge of creating a great lemonade stand business. Students will touch upon design, production (making the product), sales (selling the product), accounting (keeping track of the money), marketing (telling people about your product & business) and managing (organizing the business). Budding entrepreneurs will be developing their lemonade recipe, creating a product name, analyzing competition and running an actual lemonade stand at camp. Students will also be working on a simple business plan for a national Lemonade Stand contest.

## Maker Space & Math – Ages 8-10

A makerspace is a collaborative work space for making, learning, exploring and sharing hands-on creations - digital or physical. Students will have access to materials like the sphero (a spherical robot), legos, duct tape, pipe cleaners, aluminum foil, index cards, cardboard, popsicle sticks, etc. Student select building and engineering challenges to take on and see if their end product "measures" up to their plan! Their problem-solving powers will be tested and strengthened.

## Math Competition Training – Ages 10-14

This class was created to stimulate excitement for problem-solving. Students will be training for competition in the Math Olympiads by exploring the twelve problem-solving strategies recommended by Dr. George Lenchner, creator of the Math Olympiads. Mathletes will be taking math contests from prior years

and even play Math Jeopardy! Students will be pumping their math muscle on topics like number patterns, factors, multiples, fractions, simple geometry and measurement.

## Minecraft® Math – Ages 8-13

While playing Minecraft, students will have to conquer math problems in order to open doors and get needed tools and inventory items. The focus of the math problems are (1) order of operations, (2) word problems (3) multiplication (4) division and (5) fractions. You can calculate your way through survival mode!

## Shark Tank Entrepreneur– Ages 8-13

Students play the role of young entrepreneurs as they start with the germ of an idea for a product and business and take it through the entire entrepreneurial process. Inspired by the TV show Shark Tank, our students will develop prototypes, formulate a business plan and devise a marketing strategy. Meanwhile, our teachers will provide guidance through contextual lessons on concepts such as wages, profits and branding. These young entrepreneurs will apply critical thinking skills to their creative ideas while honing their presentation talents in the process. The week will conclude with our young executives pitching their ideas to a celebrity panel of parent judges. Having acquired a new understanding of entrepreneurial development, these young executives will really be taking care of business!

## Academic and Cross-Disciplinary

### AdventureQuest- Leadership Games and Activities – Ages 5-10

Children go on a quest to play a series of fun and exciting games that require them to use their imagination and thinking skills. They will learn to blend both their cooperation and leadership abilities in order to finish the game. Some of the games include giant mazes with each child taking turns leading the ball thru the labyrinth, others require the group to build large structures using giant legos or foam blocks and then performing activities that include their use. In yet another game, the children will construct a large integrated walkway and then navigate it as a group without touching each other. It is fun yet challenging to do. While they think they are just having fun, the reality is that they are developing leadership and socialization skills that will last a lifetime. Facilitated by Team Makers.

### Board Game Play & Design, Various Ages

Sometimes, it's great to unplug and dive into a good board game, and this course is meant to do just that! Each day, students will be presented with design challenges meant to test their critical thinking skills and creativity, from remixing tic-tac-toe to designing a boardless board game. Along the way, students will learn core elements of board game design such as writing rules, determining probabilities, and iterating through playtests. By the end of the week, students will go home with their very own board or card games!

### Creative Writing Workshop – Ages 8-13

Student-writers dive into fun writing activities which explore who they are and the themes that move or inspire them. They will explore their own six-word memoir, simile chains and how Shakespeare can be related to hip-hop. Students will enhance their "fiction tool-box" by looking at what all great stories share and using writing techniques to "show, not tell". Student-writers will develop, publish and present their own work during the class.

### Escape Room Creation – Ages 8-13 and Ages 10-14

An escape room is a physical adventure game in which players solve a series of puzzles using clues to complete the objectives at hand by a certain time. Each day, students will participate in an escape room at the beginning of class. They will be exposed to a broad range of scenarios, clues and puzzles used in escape

rooms. During the course of the week, students will team up and design their own escape room by creating their own scenario, clues and puzzles. Parents will be invited on Friday to see if they can "escape" from the students' escape rooms.

### Murder Mystery Creation – Ages 10-14

Students explore the literary genre of mystery fiction. To get the blood flowing, students will participate in two murder mystery games where they will role-play characters and attempt to figure out who murdered the victim and how it was done. Then, students will analyze three short mysteries. Finally, students plan their own mystery incorporating the crime, suspects, motives, clues, alibis, witnesses, evidence and red herrings. The plot of this class will lead students to an ending of better narrative writing.

### Pre-Architecture – Ages 10-14

Do you dream of designing the next famous skyscraper or your family's dream house? Discover the works of famous architects like Frank Lloyd Wright, Frank Gehry, I.M. Pei and Michaelangelo for inspiration. Students will learn to use SketchUp, a 3-D modeling software. They will practice using over 30 tools within SketchUp. Students use their new skills to design a room, house, building or piece of furniture.

### Public Speaking and Youth Leadership – Ages 8-13

Student will look at world issues like "access to education", "access to clean water", "food safety" and "poverty" while students find their own "cause compass" - issues that they care about and actions they can take. Along the way, they will research, structure, craft and execute their speeches to inform and persuade. Students will be practicing their public speaking skills, working on speaking from the diaphragm, projection, breath control, structure and conquering the quivers. The goal is to make students more aware of their self-presentation as well as give them a level of comfort with speaking in public.

### War and Peace Games – Game Theory, Ages 10-14 and Ages 8-13

Through this course, students will develop a better understanding of war, peace, and game theory through daily, real-world simulations that match student "nation teams" against one another. Students will be challenged to develop solutions to complex problems like wars, treaty collapses, and food shortages and develop problem-solving, collaborative, public-speaking, and negotiating skills. By the end of the week, students will have a more sophisticated understanding of the world and how teamwork, refined

communication, and understanding people's bias can help create solutions in the face of the unknown.

### Wee STEAMers Pre-K Camp – Ages 3-4

Campers explore STEAM – Science, Technology, Engineering, Art and Math through age-appropriate, hands-on activities:

- Art projects focusing on weekly Science themes like weather, seasons, insects, animals, human body, space, fruits and vegetables
- Using the Bee-Bot, a robot designed for young children, to learn about sequencing and problem-solving
- Lego building challenges and “how it works” exploration
- Math Activities like scavenger hunts for shapes and shapes, counting songs and use of manipulatives to build number awareness

There will be many songs and stories to promote language development. Campers will play different outdoor playground games to further their gross and fine motor skills. Consistent with the International Ivy philosophy, the Wee STEAMers Pre-K Camp blends learning with creating smiles, giggles and laughter.

### Youngster - Left Brain Mix – Ages 5-7

**This class can be taken more than once. Students build different robot models and learn different math skills each week. Each day will encompass the following activities:**

- (1) Lego WeDo Robotics - Using the LEGO® Education WeDo™ Robotics Construction Set, the students are introduced to simple robotics through building models, attaching sensors and motors, and using a computer to program the model's behavior. Some of the robot models include dancing birds, smart spinner, drumming monkey, hungry alligator, roaring lion, flapping bird, soccer kicker, soccer goalie, and cheerful fans. Students will also learn about simple engineering concepts such as pulleys, belts, gears and levels, while having a blast with their creations.
- (2) Singapore Math - The success of Singapore Math is related to covering a fewer topics but in a more in-depth level, greater visualization of math concepts and greater emphasis on solving word problems. We will focus on addition and subtraction of numbers up to 100, then to 1000. We will play math games like math relays and Eggspert.
- (3) Logic and Strategy Games - Students are taught logic, strategy and spatial games like Logik Street, checkers, Connect 4, Othello, Guess Who! and Blokus to enhance "thinking ahead" and reasoning skills.

- (4) Keyboarding - Student will spend 15 minutes each day practicing touch typing. This skill will become more and more important as standardized testing moves to the computer.

### Youngster - Right Brain Mix – Ages 5-7

**This class can be taken more than once. There are different themes every week. Each day will encompass the following activities:**

- (1) Yoga – Students will learn various yoga poses taking cues from animals and nature. They will roar, stretch and learn the tools to relax and strengthen their bodies.
- (2) Country Adventure – Each week, students embark on an imaginary adventure to a different country. They learn about the art, music, games, language and customs of that country.
- (3) Story Time – Students will be exposed to a different picture book every day. After each story, the instructor will lead a discussion to help students further their reading skills. Topics include cause and effect, making inferences, drawing conclusions, point of view, character traits, character motivation, etc. Students become book critics themselves and provide their own video “book reviews” in service of future readers while practicing their communicating skills.
- (4) Digital Art - Youngsters will create art projects on the computer like magazine covers, collages, movie posters, jigsaw puzzles, placemats, etc. while learning technical computer skills like opening, saving, closing, double-clicking, and dragging.

### Youngster – Programming with Dash, Ages 5-7

Dash is a cute, three-legged, motorized robot and Dot is its sidekick. Dash hears and responds to sounds, navigates around a room, avoids obstacles, and comes to life with sound and lights. Our youngster students will explore the use of a drag and drop programming application, Blockly, to control the movements of Dash. Students will learn about sensors, inputs, outputs, sequencing, conditionals and loops as they use their problem-solving skills to solve challenges like getting Dash through a maze.

### YouTube Video Creation – Ages 8-13 and Ages 10-14

YouTube is the place to for video producers to broadcast experiences, opinions and vision. Students can make vlogs, gamecasts, tutorials, reviews to establish an online presence by diving into video production. Capture footage with ipads and use tools like iMovie to edit and enhance your project. Create a polished channel and explore how to attract followers.

## Arts – Visual & Performing Arts

### A Cappella 101 – Ages 8-11

When you sing “a cappella,” your voice is the only instrument you need! A workshop for music lovers, A Cappella 101 will focus on group singing (with no accompaniment!) while improving musicality through harmonizing, daily vocal warm-ups, learning musical terms, ear training, and more. We will learn a couple fun songs to perform a cappella at the end of the session. We’ll cover dynamics, diction, and feeling the rhythm...but most importantly, we’ll have a blast singing our hearts out and grooving to the music! No prior experience required – just your voice.

### Action Flix – Ages 8-11

POW! BANG! BOOM! Make your own action movie! You’ll get to use a green screen, camera tricks & special effects to create your own live-action action movie. Students will collaborate to write, act, & direct in this action packed camp where kids will be taught fake punches & kicks to thrill the audience. \*Flix downloadable within a month after camp ends.

### Arts & Crafts, Elevated with Cricut – Ages 8-13

Your budding artist will get crafty with the added precision of a Cricut cutting machine. Creativity will shine through creations like bookmarks, layered/3D greeting cards, window clings, signs and paper flower wreaths or bouquets. This class might require students to bring some items from home like mugs, plates or t-shirts.

### Canvas Painting – Ages 8-13

Students will obtain step-by-step instructions to create and customize one painting each day. Students will learn about color theory, brush stroke and paint application. Students will study both old and modern artists, along with different styles and movements throughout the ages.

### Comic Creation – Ages 8-13

Does your child have a great idea for a comic book or love anime? Students will learn to tell a short story through sequential art by creating a story line, brainstorming to create characters, and write a plot with dialogue. They will learn the basics of manual drawing and digital cartooning using Pixton. Students collaborate on a comic anthology that they self-publish during the workshop.

### Film-Making – Ages 8-13

Do you want to have a blast making a movie? You don’t have to be an actor to star in these movies that you make from “Action” to “That’s a wrap.” We’ll guide you through the Hollywood process as you brainstorm, location scout, bring in props and costumes, act and direct in a collaborative movie that will be fun for the entire audience. \*All flix downloadable within a month after program ends. See below for films made in the past with our partner, Incrediflix.

### Green Screen Creativity – Ages 8-13

Using Green Screen by Do Ink, students are introduced to creating green screen videos and images right on the iPad. This technique is used in the movies to make the actors appear to be places like the moon or China without ever leaving the studio. The students will learn how to use the application and create fun and innovative short movies. With the green screen students will tell a story, create a how-to videos, become a weather person, become a superhero, or even score a goal in the World Cup. The possibilities are truly endless.

### Lego Flix – Ages 8-11

We know you love Legos and can create incredible Lego worlds, now it's time to bring those worlds to life in Lego stop-motion animated flix! We provide the Legos, and you provide your imagination. Students will create a Lego set with Lego characters for a movie they storyboard, write, shoot, and voice-over in age-appropriate groups. \*All flix downloadable within a month after camp ends.

### Mixed Media Studio Art – Ages 8-13

Your budding artist will dabble in the whimsical world of pottery, 3-D card making, bean mosaics and recycling objects art. Then, students move to the more serious world of print-making, where students will explore different types of print-making.

### Stop-Action Animation – Ages 8-13

In this fast paced class, students will create up to 5 stop-motion animated flix! Each day you’ll use a new style of stop-motion. And the last two days we’ll even do Lego Animation! It’s the ultimate arts and crafts class where students create, direct, and film their movies. \*All flix downloadable within a month after program ends. See below for films made by students in the past. No experience is necessary.

# Sports & Recreation

## Chess for Beginner and other games – Ages 7-10

We can teach students life lessons and critical thinking skills through the game of chess. Your child will learn self-discipline, logic, good judgment and sportsmanship through learning the "Royal Game." Appropriate for beginners students. The curriculum includes how each pieces moves opening theory, strategy and tactics (such as pins, forks, skewers), and basic endgame knowledge. Other strategy games will be sprinkled in for fun as well.

## Chess for Intermediate Players – Ages 8-13

Advanced classes are for students who have been studying chess for a while and have a solid understanding of opening principles, how to move the pieces, and basic tactics. Students will study high level games to learn about development, specific openings, complex middle games and endgame strategies as well as tactics.

## Chefs in Training – Ages 7-10

Get ready to cook! This class is for students ages 7-10 who are excited and willing to learn about cooking! Students will learn basic etiquette and safety procedures in the kitchen as well as fun recipes they can make at home! Students will learn how to make dishes such as omelettes, summer rolls and stuffed peppers! At the end of each week, students will use the skills they have learned to create a dish of their own at the "chopped" competition! Students will also be able to take home a binder of recipes they learned that week!

## FREQUENTLY ASKED QUESTIONS

### What is a typical day like?

<b>Full-Day Student</b> 8:30-9:00 Student drop-off 9:00-10:30 AM class - part 1 of 2 10:30-11:00 AM class break 11:00-12:30 AM class - part 2 of 2 12:30-1:30 lunch 1:30-3:00 PM class part 1 of 2 3:00-3:30 PM class break 3:30-5:00 PM class part 2 of 2 5:00-5:30 Student pick up	<b>AM Half-day Student</b> 8:30-9:00 Student drop-off 9:00-10:30 AM class - part 1 of 2 10:30-11:00 AM class break 11:00-12:30 AM class - part 2 of 2 12:30-1:00 Student pick-up  <b>PM Half-day Student</b> 1:00-1:30 Student drop-off 1:30-3:00 PM class part 1 of 2 3:00-3:30 PM class break 3:30-5:00 PM class part 2 of 2 5:00-5:30 Student pick-up
---	--

### Who are the teachers?

A significant number of our teachers are certified teachers in public and private schools. There are also experts in the field who serve as teachers. Lastly, there are college students and college graduates who we have trained in our curriculum who also serve as teachers in the program. All our teachers and adult counselors have been background checked in accordance with the standards of the American Camp Association.

### What is the ratio of teacher to students?

We set a maximum class size of 12 students for almost all classes. On an as needed basis, (often when a class is close to capacity), we place a counselor in the classroom to further assist students.

### What happens during the breaks?

During breaks, students take their snacks, play games or just relax. The following is the schedule of activities

Mondays – Ice-breakers, Team-building games

Tuesdays – Kick-ball, Capture the Flag, etc.

Wednesdays – Relay / Field Day Games

Thursdays – Theme Days

Friday – Kick-ball, Capture the Flag, etc.

\*\* activities subject to change based on weather and the facilities \*\*

### **What do I have to send in with my child?**

- International Ivy provides all materials for class (e.g. robotics, laptops, pencils, paper, fabric).
- If your child is taking a technology class, we suggest sending in a flash drive to save work that the student creates in class and an email account.
- Remember to send in a beverage and snack each day for breaks.
- If a child is full-day, send in lunch if you are not buying lunch. Refrigeration will be provided.

### **Can I buy lunch?**

You can buy lunch for \$50/week at certain locations only: Chatham and Short Hills. Please check with the individual locations on the website, [www.iisummer.com](http://www.iisummer.com) for the menu at your specific location. Lunch, if purchased, must be purchased for the entire week.

### **Do you provide transportation?**

No, we do not provide transportation for day students. Parents are responsible for arranging transportation to and from the Program. We do offer transportation to and from New York students for residential students who are staying at the Caldwell campus from Monday morning to Friday afternoon.

### **Do you have extended day?**

Parents always have a 30-minute pick-up and drop-off window. We do offer extended mornings from 8:00 AM to 8:30 AM and extended afternoons from 5:30 PM to 6:00 PM at certain locations only: Chatham and Short Hills. The fee for extended mornings is \$50 per week and fee for extended afternoons is \$50 per week. Families must register for extended care for the entire week. If parents are late to pick up their children, they will be charged \$1.00 per minute.

### **What is your Tax Id Number?**

International Ivy LLC's tax ID is 45-2850609.

### **What is your cancellation and refund policy?**

Refunds are not given for any absences or unused part of the class. Our policy is we do not offer any refunds except when the Program cancels a class due to insufficient enrollment, in which case parents can (a) transfer a child to another class or (b) take a refund or credit. As a courtesy, we can transfer students to other weeks, other sites or other classes assuming there is availability in the class being transferred to. Please provide at least two weeks' notice for any changes.

### **What if my child is a few months younger than the age range listed for a class?**

We have a policy of plus or minus 6 months. For example, if the age range of a class is "10-14", a child who is 9 and a half at the time of the class is permitted to register for the class.

**Do you offer financial aid?**

Yes, we believe all children would benefit from the International Ivy experience. For this reason, we do set aside a pool of funds for financial assistance. Financial assistance is offered in the form of discounts between 20% to 50%. We do not give full financial assistance. The application deadline is April 2, 2020 at <http://www.iisummer.com/forms/>. Decision letters are emailed on April 30, 2020.

**How can I find out more about the classes?**

Other than the class descriptions in this catalog and on the website, please go to <http://internationalivy.blogspot.com/> to see blog posts written by our students and counselors from previous years about their experiences. Please go to <https://www.youtube.com/user/Internationalivy/videos> to view videos and <https://www.flickr.com/photos/98941311@N05/> to view pictures of our program in action!

## REGISTRATION

Most families register online at [www.iisummer.com](http://www.iisummer.com). Please go to the “Registration” tab on the main menu.

## CONTACT US

We look forward to hearing from you.

Email: [info@iisummer.com](mailto:info@iisummer.com)

Phone: 908-899-1338

Fax: 908-363-1016

Mailing Address: 61 Maple St. #636, Summit, NJ 07901