

# FALL 2017 SCHEDULE

2017/18 Course Schedule - 1st Quarter

Register Online @ <http://www.ifspace.org/Registration.html>

	Mon	Tuesday	Wednesday	Thursday	Friday	
10:00-10:50	Primary Micro-School A (5-8)**	Music (5-8)	Primary Micro-School B WAITLIST	Intermediate Micro-School A (11-14) WAITLIST	Art (11-14)	
11:00-11:50		Science (5-8)**			Elementary Micro-school A WAITLIST	Writing: Essays (13+)**
12:00						
12:30-1:20	Jr. Tinkering (5-8)**	A Trip Around the World WAITLIST	Poetry Teatime WAITLIST	Saxon 8/7* (11+)	Project-Based Math 12+	
1:30-2:20	STEAM (5-8) WAITLIST	Sewing (8-11)	World Cultures Immersion WAITLIST	High School Micro-School* WAITLIST	SAT Prep 12+**	
2:30-3:20	Jr. FIRST LEGO League WAITLIST	LEGO Robotics (no comp) WAITLIST	Math Games (8-11)	World Cultures Immersion (11-14)**	World Peace Game (8-12)	
3:30-4:20		World Religions (8-11)	Process Art WAITLIST	What Do You Stand For? (8-11)	Pop Music Genius (12+)	
	*Intermediate and HS Microschool students may CHOOSE between their core math and Saxon 8/7. Saxon 8/7 is also open to non-Microschool students.			Halloween Costume Workshop (7+)	FTC Leadership Invite Only	Odyssey Mind Div I (8-11)**
				Bold Classes are NEW ADDITIONS	FIRST LEGO League (11-14)**	Odyssey Mind Div II WAITLIST
				**Asterisks mean space is VERY LIMITED.	FIRST Tech Challenge (Robotics) 13+	

Full Class Details Available Online @ [www.ifspace.org](http://www.ifspace.org)

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### **A Trip Around the World (8-11)**

Explores countries and cultures from all over the world! We will enjoy cooking projects and activities to experience how others celebrate traditions and holidays. Elementary students will build a collection of maps and collect passport stamps!

### **Art: Advanced Techniques (11-14) (\$)**

This art class is limited to older students who are interested in improving their technique. Focus on fundamentals of drawing, painting, and illustration will help every artist achieve their best.

### **Delight Driven Science (5-8) (\$)**

Student input determines the course of study in this experiment-heavy class. We'll explore topics across all science disciplines at a pace set by the students.

### **Electronics Hackspace (11-14)**

Take it apart, make it cooler: Electro-hacking means giving things new Franken-life. Students learn electronics and programming in this peer-led work group.

### **Elementary Microschool (8-11)**

Elementary Microschool hybrid program. See Microschool handout or [ifspace.org/microschool](http://ifspace.org/microschool) for more information.

### **Engineering is Elementary (8-11) (\$)**

EiE introduces engineering and the engineering design process through classroom builds guided by curriculum from the Boston Museum of Science.

### **FIRST LEGO League (8-11;11-14) (\$)**

Competitive LEGO Robotics through FIRST. Requires weekend and volunteer commitment; see additional handout or [ifspace.org/ll](http://ifspace.org/ll) for more information.

### **FIRST Tech Challenge (13+) (\$)**

Competitive middle and high school robotics. Requires weekend and volunteer commitment; see additional handout or [ifspace.org/ftc](http://ifspace.org/ftc) for more information.

### **High School Microschool (13+)**

High School Microschool hybrid program. See Microschool handout or [ifspace.org/microschool](http://ifspace.org/microschool) for more information.

### **Intermediate Microschool (11-14)**

Intermediate Microschool hybrid program. See Microschool handout or [ifspace.org/microschool](http://ifspace.org/microschool) for more information.

### **Jewelry Making (11+)**

We will be using a variety of jewelry making techniques to create one-of-a-kind pieces. Projects will include macrame, beading, wooden jewelry and metal wrap techniques.

### **Jr. FIRST LEGO League (5-8) (\$)**

Competitive LEGO Robotics for a younger crowd. See handout for more information.

### **Junior Tinkering (5-8)**

Tinkering and loose parts lab for younger kids. Open ended tinker time to let the imagination run wild.

### **LEGO Robotics (8-11)**

Introduction to the LEGO EV3 Mindstorms platform for beginners. No competition requirement.

### **LEGO Storytelling (3-5)**

Use LEGO to practice building stories! Students will use a unique collection of bricks to build stories, comics, and movies.

### **Making Music (5-8)**

We will learn about famous composers and enjoy their music together, make music using classroom instruments, learn about rhythm and melody, and make our own instruments.

### **Math Games (8-11)**

Math is more fun when it's a game! Students will play board, team, and strategy games that focus on math, sequencing, patterns, and logic skills.

### **Odyssey of the Mind (8-11; 11-14) (\$)**

Worldwide performance-based creative problem solving competition.

### **Poetry Teatime (5-8)**

Share and discuss favorite poems and enjoy a snack! Students will read and write poetry of all kinds.

### **Pop Music Genius (12+)**

Students will study the history and influence of pop music through the lyrics and music of some of the greatest artists and poets of the last 60 years.

### **Primary Microschool (5-8)**

Primary Microschool hybrid program. See Microschool handout or [ifspace.org/microschool](http://ifspace.org/microschool) for more information.

### **Process Art (5-8)**

In this art class we use a variety of unusual materials to create abstract art projects. Projects are child led and messy! Not all explorations will produce art to take home - this class is all about process!

### **Project-Based Math (12+)**

Investigation-based math studies take concepts out of the textbook and into the real world. See how math can influence our perspective of the world around us.

### **SAT Prep (12+)**

The best SAT Prep is the one you stick with - and it's much more fun with friends. We'll work our way through The Official SAT Study Guide and use other supportive study materials to prepare both academically and strategically to take the SAT in Spring of 2018.

### **Saxon 8/7 (11+)**

We'll be working methodically through Saxon 8/7, with work assigned each week to be completed at home. Microschoolers may take this class in place of Intermediate or High School microschool math, or in addition to High School math if additional remediation is needed.

### **Sewing (All Ages; See Calendar)**

Our sewing classes are self-paced and highly personalized, and teach skills such as garment construction, quilting, pattern drafting, and more.

### **Social Justice (13+)**

In Social Justice, we explore political 'hot topics' using current events and news in addition to primary sources through historical simulations, mock trials and elections, and speeches. Our investigations are guided by the Choices series from Brown University.

### **STEAM Lab (3-5; 5-8) (\$)**

Students explore STEAM through projects and experiments while designing and building, programming and predicting, hypothesizing and observing, and making connections between what happens in class and how things work in the world. This class is hands-on and invitation-based.

### **Tinkering (8-11) (\$)**

In Tinkering, students explore materials, supplies, tools and concepts in an open-ended, adult-guided way, where we try out new ideas as a group and encourage one another as we try to get our thing to work. Full class description and past projects online.

### **What Do You Stand For? (8-11)**

Secular character education involving real-life role play, covering topics like forgiveness, honesty, cooperation, friendship, responsibility, and more. Hands-on and project-oriented.

### **World Cultures Immersion (5-8; 11-14)**

This class explores countries and cultures from all over the world through food, art, music, dance, holidays and traditions, and language.

### **World Religions (8-11)**

An exploration of world religions designed to encourage deeper understanding and compassion. Lots of crafts and hands-on projects.

### **Writing: Essays (13+)**

This writing class will introduce students to essay composition, including developing a thesis, prioritizing supporting details, and composing clear, concise and readable paragraphs. Perfect for students wading through middle school 'writing fog'.