

Fall 2018 Class Schedule - Semester 1

MONDAY	Subject	Class Level	Class Description	Ages
5:00-6:00pm	Chess	Beginner Lesson & Play	100-400 ratings. Learn the basics through instruction, workbooks, ChessKids.com & casual play.	6+
	Math	Enrichment Gr.1-2 A	Place values, fractions, measurement units, hands-on exposure to geometry.	6-8
	Engineering	Simple Machines	Hands-on projects building simple machines.	6-10
6:00-7:00pm	Math	Enrichment Gr.1-2 B	Place values, fractions, measurement units, hands-on exposure to geometry.	6-8
	Chess	Intermediate Lesson	400-1000 ratings. Learn strategies for openings, middle & end games. Get tournament ready.	8+
7:00-7:30 pm	Chess	Intermediate Practice	400-1000 ratings.	
6:00-7:30	Engineering	STEM Club	Innovative STEM projects & experiments. Meets 9/24, 10/8, 10/22, 11/5.	6-10
TUESDAY				
5:00-6:00pm	Chess	Intermediate Lesson & Play	400-1000 ratings. Learn strategies for openings, middle & end games. Get tournament ready.	8+
	Math	Competitive Gr.3-4	Estimations, measurements, hands-on exposure to geometry, area, perimeter.	8-10
6:00-6:30pm	Chess	Intermediate Practice	400-1000 ratings	
6:00-7:15pm	Math	Competitive Gr.4-5	Pre-algebra: ratios, percents, integers, linear equations, exponents, radicals, probability, statistics, logic & more.	9-11
	Math	Competitive Gr. 6	Pre-algebra topics plus competition problems from Math Counts, AMC 8 & MOEMS Div. M.	11-12
WEDNESDAY				
5:00-6:00pm	Chess	Advanced Lesson & Play	Tournament players (over 1000 rating)	
	Coding	Scratch Coding	Beginning coders learn the visual programming of stories, games & animation.	8-14
6:00-6:30pm	Chess	Advanced Practice Games	Tournament players (over 1000 rating)	
6:00-7:15pm	Math	Competitive Gr. 7-8	"Art of Problem Solving" plus competition problems from MathCounts, AMC 8 & MOEMS Div. M.	12-14
	Creative Design	3D Animation	Learn how computers can help us create our visual ideas using Blender.	10+
	Art	3D Drawing	Use the correct perspective, proportions, shading & color blending to bring your creative drawings to life.	8-14
7:00-8:00pm	Art	3D Drawing	Use the correct perspective, proportions, shading & color blending to bring your creative drawings to life.	8-14
	Creative Design	Creative Design Mentoring	For SJIC students with internships.	
7:15-8:30pm	Math	Competitive Gr. 9-10	"Art & Craft Problem Solving" & competition problems from AMC 10 & 12, Purple Comet & Lehigh Math Contests.	14-16
7:00-10:00pm	SJ Chess Club	Rated & Casual Play	All levels. New members welcome.	
THURSDAY				
5:00-6:30pm	Engineering	STEM Club	Innovative STEM projects & experiments. Meets 9/27, 10/11, 10/25, 11/1.	8-12
6:00-7:00pm	Financial Literacy	Young Investors Class	Stock Market Challenge. Learn the fundamentals of business & investment concepts.	8-14
7:00-8:00pm	Engineering	Robotics	Design, program & control fully functional robots by applying science concepts.	10-14
SATURDAY				
10:00am-12:00pm	Chess	Elite chess training	Elite level - 1000+ rating	8-14
10:00am-11:15am	Math	Competitive Gr. 9-12	Competition prep for AMC10 & AMC12	14-18
10:00am-11:00am	Math	Enrichment Gr. 3-5	Fractions, estimations, measurement, word problems. Hands-on exposure to geometry & calculations of area & perimeter.	8-10
10:00 - 11:15 am	Coding	Python - game programming	Unleash your creativity to build games, animations, apps & more.	10-16
11:30 AM - 12:45 pm	Computer Science	AI & Machine Learning	Turn yesterday's dreams into reality using Python data sets, probability, statistics and more.	10-16
12:00pm-2:00pm	Chess	Chess Kids Club	All levels welcome for casual play. Meets monthly: 9/29, 10/20, 11/10, & 12/15.	8+
Upcoming Workshops: Drones 9/15, Video Editing 10/13, Bottle Rockets 10/27, Wind Turbines 11/17, 3D Printing 12/8				
Coming soon:	Coding Club			