

# NCSO Institute Schedule 2018: Friday

Revised 9/4/18

<b>Friday Afternoon</b>	Olga Mawougbe, Brian Mannette, Michelle Hafey, Ray Crawford, Karin Kuropas	<b>New Coach Boot Camp 12 - 4pm</b>
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Friday Night	Presenter	5:30 - 6:30	6:30 - 8:30pm	
<b>Registration (Starts at 5pm)</b>		<b>Dinner</b>		
Amazing Mechatronics B	Tom Dubick			
Bottle Rockets 101	Jake Winmiller			
Astronomy & Solar System	Dhruva Karkada			
Pasta Tower	Greg Adams			
Cars 101	Jonathan/Nathan Hiser			
ProGamers	Tom Dubick			
Protein Modeling	Tim Herman			
Ramp & Roll	Dave Glenn			
Roller Coaster	Jacob Simmons/Conen Morgan			
Flying 101	Tom Sanders			
				ProGamers 6:30 - 7:30      Amazing Mech B 7:30 - 8:30
				Bottle Rockets 101 - good for 3,2,1 Blastoff and Ping Pong Parachute
				Solar System: How to analyze images      Astro: Stellar Evolution
			Moving past the pasta monstrosity	
			Get the wheels rolling for Battery Buggy & Mousetrap Vehicle	
			ProGamers 6:30 - 7:30      Amazing Mech B 7:30 - 8:30	
			In Depth practice on folding proteins	
			Buidling ramps and getting cars to stop	
			Roller Coaster - jumps and tracks	
			How to trim a plane for better flights	

# NCSO Institute Schedule 2018: Saturday Morning

Revised 9/29/18

Saturday Morning	Presenter	SESSION 1 8:00 - 8:55 AM	SESSION 2 9:00 - 9:55 AM	SESSION 3 10:00 - 10:55 AM	SESSION 4 11:00 - 11:55 AM	SESSION 5 12:00 - 12:55 PM	
Late Registration							A Only
3,2,1, Blast Off	Jake Winemiller/Greg Helm						B Only
Amazing Mechatronics	Tom Dubick			Amazing Mechatronics	Amazing Mechatronics	Amazing Mechatronics	C Only
Anatomy & Physiology	Ashwin Ghadiyaram	A&P	A&P	A&P			
Astronomy	Dhruva Karkada						A&B
Backyard Biologist/Rock Star	Tim Mota						B&C
Battery Buggy	Jonathan/Nathan Hiser			Battery Buggy	Battery Buggy	Battery Buggy	
Body Builders	Drew Greenstein		Body Builders	Body Builders	Body Builders		
BooMilever	Andrew Roberts		BooMilever	BooMilever	Build Demo		
Chem Lab	Phoebe Shih				Chem Lab	Chem Lab	
Circuit Lab	Muthu Arivoli						
Code Busters	Randy Labaza				Codebusters		
Crime Busters/Forensics	John Kiser	CB/F	CB/F	CB/F		CB/F	
Data Crunchers/Metric Mania	Sara Roberson	DC/MM	DC/MM		DC/MM		
Density Lab	Kim Gervase	Density Lab			Density Lab		
Describe It, Build It/Write It, Do It	Anne/Katie Helm						
Designer Genes	Surya Tumbapura/Alex DeWalle		Designer Genes/Heredity	Designer Genes/Heredity	Designer Genes/Heredity	Designer Genes/Heredity	
Disease Detectives	Katherine Gora-Combs	DD	DD	DD			
Duct Tape Challenge	Corina Mota/Nick Ciambrone					DTC	
Dynamic Planet	Manley Midgett					DP	
Ecology Experts/Planet Protectors	Beth Brampton	EE/PP		EE/PP	EE/PP		
Elastic Launched Gliders	Tom Sanders						
Energy Matters	Barbara Porter			Energy	Energy	Energy	
Experimental Design	Corina Mota/Nick Ciambrone	ED	ED				
Fermi Questions	Gabe DeCaro						
Forensics/Crimebusters	John Kiser	F/CB	F/CB	F/CB		F/CB	
Fossils	Gary/Alex Lewis	Fossils	Fossils	Fossils			
Geologic Mapping	Skip Stoddard						
Heredity	Surya Tumbapura/Alex DeWalle		Heredity/Designer Genes	Heredity/Designer Genes	Heredity/Designer Genes	Heredity/Designer Genes	
Herpetology	Corina Mota/Emily				Herpetology	Herpetology	
Meteorology/Weather Permitting	Michelle Hafey	Meteorology/Weather			Meteorology/Weather		
Metric Mania/Data Crunchers	Sara Roberson	MM/DC	MM/DC		MM/DC		
Mission Possible	Manley Midgett/Conen Morgan	Mission	Mission	Mission			
Mousetrap Vehicle	Jonathan/Nathan Hiser						
Pasta Towers	Coenen Morgan					Pasta Tower	
Ping Pong Parachute	Jake Winemiller		PPP	PPP	PPP	PPP	
Planet Protectors/Ecology Experts	Beth Brampton	PP/EE		PP/EE	PP/EE		
Potions & Poisons	Wendy Cook				Potions		
ProGamers	Tom Dubick	ProGamers	ProGamers				
Protein Modeling	Tim Herman	Protein Modeling		Protein Modeling	Protein Modeling	Protein Modeling	
Ramp & Roll	Dave Glenn		Ramp & Roll	Ramp & Roll			
Road Scholar	Skip Stoddard			Road Scholar	Road Scholar		
Rock Star/Backyard Biologist	Tim Mota						
Roller Coaster	Jacob Simmons						
Science Sketchers/Work It Out	Janet Pride	SS/WIO				SS/WIO	
SkyQuest	Dhruva Karkada		SkyQuest	SkyQuest	SkyQuest		
Solar System	Dhruva Karkada						
Sounds of Music	Trish Mullins		SofM	SofM	SofM		
Super Sleuths	John Kiser						
Thermodynamics	Alex DeWalle						
Progamers	Tom Dubick						
Water Quality	Kim Gervase						
Weather Permitting/Meteorology	Michelle Hafey	Weather/Meteorology			Weather/Meteorology		
Work It Out/Science Sketchers	Janet Pride	WIO/SS				WIO/SS	
Wright Stuff	Tom Sanders	Wright Stuff	Wright Stuff	Wright Stuff			
Write It, Do It/Describe It, Build It	Anne/Katie Helm						
How to run a homeschool team	Sarah Painter		Homeschool				
Aerial Scramble	Tom Sanders					Aerial Scramble	
Detector Building	Mike Smith					Detector Building	

# NCSO Institute Schedule 2018: Saturday Afternoon

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Saturday Afternoon		SESSION 6	SESSION 7	SESSION 8	SESSION 9
	ROOM:	1:00 - 1:55	2:00 - 2:55	3:00 - 3:55	4:00 - 4:55
3,2,1, Blast Off!	Jake Winemiller/Greg Helm		321 Blastoff!	321 Blastoff!	321 Blastoff!
Amazing Mechatronics	Tom Dubick				
Anatomy & Physiology	Ashwin Ghadiyaram				
Astronomy	Dhruva Karkada			Astro	Astro
Backyard Biologist/Rock Star	Tim Mota		BB/RS	BB/RS	BB/RS
Battery Buggy	Jonathan/Nathan Hiser				
Body Builders	Drew Greenstein				
Boomilever	Andrew Roberts	Boomilever	Boomilever		
Chem Lab	Phoebe Shih	Chem Lab			
Circuit Lab	Muthu Arivoli	Circuit Lab	Circuit Lab	Circuit Lab	Circuit Lab
Code Busters	Randy Labaza	Codebusters	Codebusters		
Crime Busters/Forensics	John Kiser				
Data Crunchers/Metric Mania	Sara Roberson				
Density Lab	Kim Gervase	Density Lab			
Describe It, Build It/Write It, Do It	Anne/Katie Helm				
Designer Genes	Surya Tumbapura/Alex DeWalle				
Disease Detectives	Katherine Gora-Combs				
Duct Tape Challenge	Corina Mota/Nick Ciabrone	DTC			DTC
Dynamic Planet	Manley Midgett	DP	DP		
Ecology Experts/Planet Protectors	Beth Brampton	EE/PP			
Elastic Launched Gliders	Tom Sanders	ELG	ELG	ELG	
Energy Matters	Barbara Porter				
Experimental Design	Corina Mota/Nick Ciabrone				
Fermi Questions	Gabe DeCaro			Fermi	Fermi
Forensics/Crimebusters	John Kiser				
Fossils	Gary/Alex Lewis				
Geologic Mapping	Skip Stoddard	Geo Mapping	Geo Mapping	Geo Mapping	
Heredity	Surya Tumbapura/Alex DeWalle				
Herpetology	Corina Mota/Emily				
Meteorology/Weather Permitting	Michelle Hafey			Meteorology/Weather	
Metric Mania/Data Crunchers	Sara Roberson				
Mission Possible	Manley Midgett/Conen Morgan				
Mousetrap Vehicle	Jonathan/Nathan Hiser		Mousetrap	Mousetrap	Mousetrap
Pasta Towers	Conen Morgan	Pasta Tower	Pasta Tower		
Ping Pong Parachute	Jake Winemiller				
Planet Protectors/Ecology Experts	Beth Brampton				
Potions & Poisons	Wendy Cook	Potions	Potions		
Progamers	Tom Dubick				
Protein Modeling	Tim Herman				
Ramp & Roll	Dave Glenn				Ramp & Roll
Road Scholar	Skip Stoddard				
Rock Star/Backyard Biologist	Tim Mota		RS/BB	RS/BB	RS/BB
Roller Coaster	Jacob Simmons	Roller Coaster	Roller Coaster	Roller Coaster	
Science Sketchers/Work It Out	Janet Pride	SS/WIO			
SkyQuest	Dhruva Karkada				
Solar System	Dhruva Karkada	SS	SS		
Sounds of Music	Trish Mullins				
Super Sleuths	John Kiser		Super Sleuths	Super Sleuths	Super Sleuths
Thermodynamics	Alex DeWalle		Thermo	Thermo	Thermo
Progamers	Tom Dubick				
Water Quality	Kim Gervase		Water Qual	Water Qual	Water Qual
Weather Permitting/Meteorology	Michelle Hafey			Weather/Meteorology	
Work It Out/Science Sketchers	Janet Pride	WIO/SS			
Wright Stuff	Tom Sanders				
Write It, Do It/Describe It, Build It	Anne/Katie Helm		WIDI/DIBI	WIDI/DIBI	WIDI/DIBI
How to run a homeschool team	Sarah Painter				
Aerial Scramble	Tom Sanders				
Detector Building	Mike Smith	Detector Building			

3,2,1, Blast Off!  
Amazing Mechatronics  
Anatomy & Physiology  
Astronomy  
Backyard Biologist  
Battery Buggy  
Body Builders  
Boomilever  
Chem Lab  
Circuit Lab  
Code Busters  
Crime Busters/Forensics  
Data Crunchers/Metric Mania  
Density Lab  
Describe It, Build It/Write It, Do It  
Designer Genes  
Disease Detectives  
Duct Tape Challenge  
Dynamic Planet  
Ecology Experts  
Elastic Launch Gliders  
Energy Matters  
Experimental Design  
Fermi Questions  
Forensics/Crimebusters  
Fossils  
Geologic Mapping  
Heredity  
Herpetology  
Meteorology  
Metric Mania/Data Crunchers  
Mission Possible  
Mousetrap Vehicle  
Pasta Towers  
Ping Pong Parachute  
Planet Protectors  
Potions & Poisons  
Protein Modeling  
Ramp & Roll  
Road Scholar  
Rock Star  
Roller Coaster  
Science Sketchers  
SkyQuest  
Solar System

Sounds of Music

Super Sleuths

Thermodynamics

Progamers

Water Quality

Weather Permitting

Work It Out

Wright Stuff

Write It, Do It/Describe It, Build It