

Beginners/PPE	Thursday						
	Topic/Activity			Start Time	End Time	Presented by	Site
	WEDNESDAY - Site Setup			9 AM - 5 PM		WPA Members and Families	SARA
	Winterblast Registration - Express (pre-registered only)			9 AM - 7 PM		WB Staff	SARA
	Winterblast Registration - Full Service (payments, forms, etc.)			9 AM - Noon, 2-5 PM, 6-7 PM		WB Staff	SARA
x	1	Seminar Prep		9:00 AM	12:00 AM	Seminar Staff	Tent 2
x	2	Burst Workshop		9:30 AM	12:30 PM	Steve Wilson, Mike Garrett	Tent 3
	Trade Show			10 AM - 4 PM		Vendors	SARA
	B-Mag Open			10 AM - 3 PM		Security	Container
x	3	Pyrotechnics Overview		11:00 AM	12:30 PM	Joseph Madziarczyk	Passfire Theater
	4	Precision Timing with Mongoose Firing System		1:00 PM	2:00 PM	Don Kark	Passfire Theater
	5A	4" Italian Cylinder Shell Workshop - Part I		1:00 PM	4:00 PM	Sky Pasta Associates	Tent 2
x	6	Fire Dancing		2:30 PM	4:00 PM	Katie Gromlovitz	Passfire Theater
x	7	The Basics of Star Plate & Comet Pump Use		3:00 PM	6:00 PM	Ben Smith	Tent 3
x	8	Care and Feeding of the Club WASP		3:00 PM	4:00 PM	Cliff Pearson	WASP Tent
	Welcome Orientation Meeting			4:00 PM	4:30 PM	WB Staff	Bleachers
x	9	Safety Training (How to be a Safety Volunteer)		4:30 PM	5:00 PM	Greg Dandurand, Darrell Fiss	Hospitality
	10	Multibreak & Exhibition Shell Show and Tell		4:30 PM	5:00 PM	Wiley, Unclewitty	Tent 2
		Open WASP Workshop		4:30 PM	6:30 PM	Staff	WASP Tent
x		Class B Safety Class		5:00 PM	6:00 PM	Darrell Fiss	Safety Tent
	Class C Vending			5-7:30 PM, 8:30-10:30 PM		Vendors	Class-C Tent
	B-Mag Open			5:00 PM - 10:30 PM		Security	Container

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B-Mag Open	5:00 PM - 10:30 PM		Security	Container
Open Shooting	6:00 PM - 11:00 PM		Safety	SARA
2nd Welcome Orientation Meeting (if missed the 4:00 time)	7:00 PM	7:30 PM	WB Staff	HospitalityTent
Displays	7:30 PM	8:00 PM	Mongoose Precision Firing Demo	Racetrack
Afterglow	10:00 PM	11:59 PM	WPA and Sponsors	Quality Inn
x Good for beginners				
Must be 18 yrs old, PPE required				
x Good for beginners, must be 18 yrs old, PPE required				

Safety gear/PPE will be required to attend all seminars with live product.

What do I need to wear?

- Safety glasses
- Long sleeves and long pants
- All clothing must be natural fibers and non-synthetic (jackets, shirts, pants, hats, etc)

Please do not force the presenters to be police. If you're not dressed for the occasion, change your clothes or skip the seminar.

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Daily Schedules

Beginners/PPE	Friday					
	Topic/Activity		Start Time	End Time	Presented by	Site
	Winterblast Registration - Express (pre-registered only)		9 AM - 7 PM		WB Staff	SARA
	Winterblast Registration - Full Service (payments, forms, etc.)		9 AM - Noon, 2-5 PM, 6-7 PM		WB Staff	SARA
	11A	PGI Shooter Certification Course - Session I	8:30 AM	12:30 PM	John Steinberg, Steve & Micki McDanal	Hotel
x	12	New Attendee Orientation	9:00 AM	10:00 AM	Dennis Miele, Greg Dandurand	Hospitality
	13	First Aid for Pyros	9:00 AM	10:00 AM	Scott Morton	Passfire Theater
	14	5" Maltese Ring Shell Construction	9:00 AM	11:00 PM	Kevin Mather	Tent 3
x	15A	5" Ball Shells - Part I	9:30 AM	12:00 PM	Jim Widmann & Mike Garrett	Tent 2
x	16	Walking Tour of Manufacturing	10:00 AM	11:00 AM	Bill Ryan	Meeting Point
	Trade Show		10 AM - 4 PM		Vendors	SARA
	B-Mag Open		10 AM - 3 PM		Security	Container
x	17	Walking Tour of Firing Lines	11:00 AM	11:00 AM	Greg Dandurand	Meeting Point
	18	RF in Stadiums - Effects on Wireless Firing Systems	11:00 AM	12:00 PM	Mark Devon	Passfire Theater
x	19	Safely Using Chemicals to Make Fireworks - Live Netcast	12:30 PM	1:30 PM	Bob Winokur	Passfire Theater
x	20	3" Bag Mines	12:30 PM	2:30 PM	Gina Papini & crew	Tent 2
	21A	6" Double Petal Ball Shell - Part I (Two 90 minute sessions)	12:30 PM	3:30 PM	Ellen Webb & Cliff Pearson	Tent 3
	11B	PGI Shooter Certification Course - Session II (Demo, Live Firing)	1:30 PM	3:00 PM	John Steinberg, Steve & Micki McDanal	B Line
x	22	Pyrotography	2:00 PM	3:30 PM	Tom Calderwood	Passfire Theater

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x	22	Pyrotography	2:00 PM	3:30 PM	Tom Calderwood	Passfire Theater
x	23	Handheld Fountains Workshop	3:00 PM	5:00 PM	Steve Majdali	Tent 2
	11C	PGI Shooter Certification Course - Session III (Exam & Review)	3:30 PM	5:00 PM	John Steinberg, Steve & Micki McDanal	Hospitality
	24	Passfire Maximum Load: WWB 30 Episode World Premiere	3:30 PM	5:00 PM	Jesse Veverka	Passfire Theater
	25	Building Multiple Rockets with One Set of Tooling	4:00 PM	6:00 PM	Ben Smith	Tent 3
	Welcome Orientation Meeting		4:00 PM	4:30 PM	WB Staff	Bleachers
		Open WASP Workshop	4:00: PM	7:00 PM	Staff	WASP Tent
x		Class B Safety Class	5:00 PM	6:00 PM	Darrell Fiss	Safety Tent
	Class C Vending		5-7:30 PM, 8:30-10:30 PM		Vendors	C-Tent
	B-Mag Open		5:00 PM - 10:30 PM		Security	Container
	26	Permanent Manufacturing Update (w/ dinner)	5:30 PM	6:30 PM	Permanent Manufacturing Committee	Hospitality
	Open Shooting		6-7:15 PM, 8:30-11 PM		Safety	SARA
	2nd Welcome Orientation Meeting (if missed the 4:00 time)		7:00 PM	7:30 PM	WB Staff	Hospitality Tent
	1st Public Display Open shooting closed for duration of display		7:30 PM	1 hour	Pyro Spec Anthem, Cannon Demo, AM Pyro & Member Exhibition Shells, ARC Demo, Monty Gill, Inferneaux, Big Sky, Spirit of 76	Racetrack
	Afterglow		10:00 PM	???	WPA and Sponsors	Quality Inn
x	Good for beginners					
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Beginners/PPE	Saturday							
	Topic/Activity			Start Time	End Time	Presented by	Site	
	Pancake Breakfast			8:00 AM	10:30 AM	Lake Havasu Sea Scouts	Hospitality	
	Winterblast Registration - Express (pre-registered only)			9 AM - 6 PM		WB Staff	SARA	
	Winterblast Registration - Full Service (payments, forms, etc.)			9-NOON, 2-5 PM		WB Staff	SARA	
x	12	New Attendee Orientation		9:00 AM	10:00 AM	Dennis Miele, Greg Dandurand		Hospitality
	27	3D Printing for Pyro		9:00 AM	10:00 AM	Richard Shannon		Passfire Theater
	5B	4" Italian Cylinder Shell Workshop - Part II		9:00 AM	10:30 AM	Sky Pasta Associates		Tent 2
	28A	Strobe Rockets -Theory, Fuels and their Preparation		9:00 AM	11:00 AM	John Steinberg		Tent 3
	Trade Show			10 AM - 4 PM		Vendors		SARA
	B-Mag Open			10 AM - 3 PM		Security		Container
x	17	Walking Tour of Firing Lines		10:00 AM	10:30 AM	Greg Dandurand		Meeting Point
x	16	Walking Tour of Manufacturing		10:30 AM	11:30 AM	Bill Ryan		Meeting Point
	29	California Pyrotechnic Licensing and Issues		10:30 AM	12:30 PM	CA State Fire Marshals		Passfire Theater
x	15B	5" Ball Shells - Part II		11:00 AM	12:30 PM	Jim Widmann & Mike Garrett		Tent 2
	21B	6" Double Petal Ball Shells - Part II		11:00 AM	12:30 PM	Ellen Webb & Cliff Pearson		Tent 3
	Members Showcase Deadline to Sign Up			Noon		Sign up Sheets in Manufacturing Day Box		
	30	NFA - National Fireworks Association, Who We are and Why		1:00 PM	2:00 PM	Steve Houser		Passfire Theater
x	31	Black Powder Rockets		1:00 PM	3:30 PM	Kurt Medlin, Steve Majdali		Tent 2
	32	Set Piece Construction Workshop		1:00 PM	3:30 PM	Lynden King		Tent 3
	34	Flamethrowers!		2:00 PM	4:00 PM	Katie Gromlovitz		Member's Bleacher
	34	Flamethrowers!		2:00 PM	4:00 PM	Katie Gromlovitz		Member's Bleacher
	24	Passfire Maximum Load: WWB 30 Episode World Premiere		2:30 PM	4:00 PM	Jesse Veverka		Passfire Theater
	33	Home Made Black Powder, Southern Style		4:00 PM	5:30 PM	Michael Siefker (Alabama)		Tent 2
	28B	Strobe Rocket - Make & Take Workshop		4:00 PM	6:00 PM	John Steinberg, Ben Smith		Tent 3
	4	Open WASP Workshop		4:00 PM	7:00 PM	Staff		WASP Tent
	Welcome Orientation Meeting			4:00 PM	4:30 PM	WWB Staff		Bleachers
	35	Tultepec LIVE! - Netcast from Tultepec Mexico		4:30 PM	5:30 PM	Kut Kutemoc, Luis Urban		Passfire Theater
x		Class B Safety Class		5:00 PM	6:00 PM	Darrell Fiss		Safety tent
	Class C Vending			5-7:30, 8:30-10:30 pm		Vendors		C-Tent
	B-Mag Open			5:00 PM - 10:30 PM		Security		Container
	Open Shooting Closed during Public Display & Daylight Segment			6-7:30, 8:30-11 pm		Safety		SARA
	Daylight Display Segment			~6:30 PM	15 minutes	WPA Members		Racetrack
	2nd Welcome Orientation Meeting (if missed the 4:00 time)			7:00 PM if necessary		WWB Staff		Hospitality Tent
	Main Public Display Open shooting closed			7:30 PM	1 hour	Spirit of 76 Anthem, Cannon Demo, AM Demo Shells, Jakes Fireworks, Inferneaux, ARC Pyrotechnics Grande Public Display		Racetrack
	Afterglow			10:00 PM	???	WPA and Sponsors		Quality Inn
		Winterblast Auction		10:00 PM	2 Hrs	Kief Adler, Greg Dandurand		Afterglow
x	Good for beginners							
	Must be 18 yrs old, PPE required							
x	Good for beginners, must be 18 yrs old, PPE required							

Beginners/PPE	Sunday				
	Topic/Activity	Start Time	End Time	Presented by	Site
	Winterblast Registration - Express (pre-registered only)	as needed		WB Staff	SARA
	Winterblast Registration - Full Service (payments, forms, etc.)	as needed		WB Staff	SARA
	WPA General Business Meeting, Election & Awards	10:00 AM	12:00 PM	WPA Officers & Members	Bleachers
	36 Tom DeWille Remembrance	11:00 AM	12:30 PM	Friends of Tom	Hospitality
	Trade Show	12 PM - 4 PM		Vendors	SARA
	B-Mag Open every hour, on the hour, for 15 minutes till 3 PM	12:00 PM	3:00 PM	Security	Container
	Members Showcase Deadline to Deliver Product	12:00 PM		Deliver to Manufacturing Day Box	
	37 HazMat Driving	12:00 PM	1:15 PM	Kiley Grunstad, Gregg Smith	Passfire Theater
	38 Star Rolling	12:00 PM	1:30 PM	Ellen Webb	Tent 2
x	39 So You Want to Manufacture Fireworks ...	12:00 PM	1:00 PM	Bill Ryan & friends	Tent 3
	40 Large Shell Considerations	1:30 PM	2:30 PM	Jim Widmann	Passfire Theater
	41 Chromatrope	1:30 PM	4:00 PM	Tackett Austin	Tent 3
	42 Firework Choreography: Styles, Techniques, Hints & Tips	2:00 PM	3:00 PM	Aaron Mayfield	Tent 2
	43 Introduction to Making Girandolas	2:30 PM	4:00 PM	Medlin, Garrett	Passfire Theater
x	44 Tried and True Pyro Chemistry	3:30 PM	4:45 PM	Joel Baechle	Tent 2
	45 The Making of 1 Hot Minute	4:00 PM	5:00 PM	Rich Bader, Greg Thomas	Passfire Theater
	Class C Vending	5-7:30, 8:30-10:00 pm		Vendors	SARA
	B-Mag Open	5:00 PM - 10:00 PM		Security	Container
	Open Shooting	6-7:30, 8:30-10:30 pm		Safety	SARA
	Members Showcase & Closing Show Open shooting closed for duration of display	7:30 PM	8:30 PM	PIT, Tom DeWille Tribute, "1 Hot Minute", Members Showcase	Racetrack
	Afterglow	10:00 PM	12:00 AM	WPA and Sponsors	Quality Inn

	Monday				
	Tear down and clean up at SARA	9:00 AM	2:00 PM	WPA Members & Families	SARA
x	Good for beginners				
	Must be 18 yrs old, PPE required				
x	Good for beginners, must be 18 yrs old, PPE required				
PLEASE stay for a few hours Monday morning and help us clean up! A \$20 clean-up fee was added to all registrations. Each member that stays until the storage container is locked will receive an hourly, pro-rated share of the total fees collected, less labor paid for. Last year, the refund was about \$125 for people who stayed till 1:00 or so.					

PIT Crew Schedule					
Friday					
	Start Time	End Time	Presented by	Site	Notes
PIT Crew Program Kickoff	9:00 AM	9:30 AM	PIT Crew Staff	PIT Crew Tent	Introductions with donuts, coffee, and juice. Plan for the weekend.
Meet Your Safety Gear	9:30 AM	10:00 AM	Bill Stevenson	PIT Crew Tent	Go over MANDATORY safety gear used during the event.
Chemistry of Combustion	10:00 AM	12:00 PM	Bill Stevenson	PIT Crew Tent	Learn basic chemistry by making smoke and fire.
Lunch	12:00 PM	1:00 PM	PIT Crew Staff	PIT Crew Tent	
Fireworks Pastel Art	12:30 PM	2:00 PM	Marion Borst	PIT Crew Tent	Paint a fireworks scene using pastels.
Class C Fireworks Overview and Safety	2:00 PM	3:00 PM	Jared Jensen	PIT Crew Tent	Learn about fireworks on the market and how to safely light them.
Chemistry of Sparks and Color	3:00 PM	5:00 PM	Bill Stevenson	PIT Crew Tent	Build two different kinds of sparklers - experiment with colored sparks.
Movie: "Space Camp" (PG)	8:30 PM	10:30 PM	PIT Crew Staff	PIT Crew Tent	Kids in NASA summer camp accidentally go to space. Campy 1980s comedy.

Saturday					
	Start Time	End Time	Presented by	Site	Notes
Pancake Breakfast	8:00 AM	9:00 AM	Sea Scouts	Hospitality Tent	Eat pancakes cooked by the Sea Scouts.
Build a Model Rocket	9:00 AM	10:30 AM	Bill Stevenson	PIT Crew Tent	Put together a model rocket to launch later in the day.
Flying Fish Mines	10:30 AM	12:00 PM	Mike Gerson	PIT Crew Tent	Assemble some mines to include in the Sunday night display.

Lunch	12:00 PM	1:00 PM	PIT Crew Staff	PIT Crew Tent	
Set Piece Construction	1:00 PM	3:30 PM	Lynden King	Tent 3	Learn how to use pyrotechnic lance to create art out of points of light.
Work on Set Pieces	3:30 PM	5:00 PM	PIT Crew Staff	PIT Crew Tent	Work on our set piece for the Sunday night display.
Model Rocket Launch	5:00 PM	6:00 PM	Safety Crew	Class C Area	Launch the model rocket you assembled and possibly retrieve it!
Volcano Demo	6:00 PM	6:30 PM	Mike Gerson	TBD	A favorite science experient, taken to the next level by Skylihter!

Sunday					
	Start Time	End Time	Presented by	Site	Notes
Show Setup	10:00 AM	12:00 PM	All	PIT Crew Tent	Set up for the Sunday Night Member Showcase.
Lunch	12:00 PM	1:00 PM	PIT Crew Staff	PIT Crew Tent	
Show Setup	1:00 PM	5:00 PM	All	Track	Finish set up for the Sunday Night Member Showcase.
Pre-Show Meeting	6:00 PM	6:30 PM	All	Track	Get ready to light up the night!
PIT Crew Display	7:30 PM	7:40 PM	All	Track	Kick off the Sunday Night Member Showcase!

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