This Winter plan trains runners for distances ranging from 1 Mile up to 10k. Key races listed below include USATF NY/ NJ Indoor Champs and Washington Heights 5K with other NYRR and Ocean Breeze track races noted along the way. This training plan is intended for athletes who have run Overview: at least 20 miles per week for at least the past month, with weekly long runs and speed work. Please note the varying degrees of rest in the workouts as they vary between jog recovery OR a combination of brief walking/ mostly jogging rest between intervals. Not ready for it yet? Start with Tuesday and weekend workouts; run easy on other days.

		Milely	Wkly	\A/Izls.	Monday	Tuesday	Wednesday Cardio Xtrain, Yoga,	Thursday	Friday REST. Cardio	Saturday	Sunday Recovery Run &
Week	Purpose	Min	Mid	Max	Recovery Run	Long interval workout		Short interval workout	Crosstrain, easy run		strength session
1-Jan	•				5	7	5	4.5	5	9	4
1	Race Week with Lactate Clearance	30	35	40	40-50 min easy w/ strides & drills	1.5M w/u; 4M @ MP; 1.5M c/d	w/ strides & drills, aerobic cross training or rest	400m/ 800m/ 1200m/ 1200m/ 800m/ 400m @ 10K pace (1:30 recovery jog); 15min c/d	REST (advanced = up to 40 min easy run w/ strides & drills)	1:15 - 1:30 at long run pace	30-45 min easy run w/ strides & drills), or rest
8-Jan					5	6	5	7.5	5	10	4
2	Aerobic Conditioning	33	38	43	40-50 min easy w/ strides & drills	1.5M w/u; 3-4 x 1000m @ 10K pace (1:00 jog recovery); 1.5M c/d	w/ strides & drills, aerobic cross training or rest	Mania @ Ocean Breeze (mile, 800, 2mile). Optional	REST (advanced = up to 40 min easy run w/ strides & drills)	1:15 - 1:30 at long run pace	30-45 min easy run w/ strides & drills), or rest
15-Jan					5	6	5	5.5	5	10	4
3	Aerobic Conditioning	31	36	41		2M w/u; 6-10 x 400m uphill @ 10K pace (downhill recovery); 2M c/d	w/ strides & drills, aerobic cross training or rest	20min w/u; 4 x (3x200). 1st and 2nd set @ mile pace plus 1-2 sec, 3rd set mile pace, 4th set mile pace minus 1-2 sec (200 meter/ 400m recovery); 15min c/d. Optional race: NYRR @ Armory (800m, 5K)	REST (advanced = up to 40 min easy run w/ strides & drills)	1:15 - 1:30 at long run pace	30-45 min easy run w/ strides & drills), or rest
22-Jan					5	8	5	7.5	5	11	4
4	Specific Endurance & Aerobic Conditioning	36	41	46		recovery); 1.5M c/d	w/ strides & drills, aerobic cross training or rest	20min w/u; 6x800 @ 5K pace, 2x200 @ 800 pace (2:00 walk-jog rest); 15min c/d. Optional race: Miles Mania @ Ocean Breeze (mile, 800, 2mile).	REST (advanced = up to 40 min easy run w/ strides & drills)	1:20 - 1:40 at long run pace	30-45 min easy run w/ strides & drills), or rest
29-Jan					5	8	5	6.5	3	11	4
5	Specific Endurance & Aerobic Conditioning	35	40	43	40-50 min easy w/ strides & drills	1.5M w/u; 2 x 2M @ HMP (3:00 recovery); 1.5M c/d	w/ strides & drills, aerobic cross training or rest		REST (advanced = up to 25 min easy run w/ strides & drills)	1:20 - 1:40 at long run pace. If racing on Sunday, 30-40 min of easy running	30-45 min easy run w/ strides & drills), or rest

This Winter plan trains runners for distances ranging from 1 Mile up to 10k. Key races listed below include USATF NY/ NJ Indoor Champs and Washington Heights 5K with other NYRR and Ocean Breeze track races noted along the way. This training plan is intended for athletes who have run Overview: at least 20 miles per week for at least the past month, with weekly long runs and speed work. Please note the varying degrees of rest in the workouts as they vary between jog recovery OR a combination of brief walking/ mostly jogging rest between intervals. Not ready for it yet? Start with Tuesday and weekend workouts; run easy on other days.

					Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
		Wkly	Wkly	Wkly			Cardio Xtrain, Yoga,		REST, Cardio		Recovery Run &
Week	Purpose	Min	Mid	Max	Recovery Run	Long interval workout	rest or easy run	Short interval workout	Crosstrain, easy run		strength session
5-Feb	Race Week with Lactate Clearance	33	38	43	5 40-50 min easy w/ strides & drills	6 1.5M w/u; 3-4 x 1000m @ 10K pace (1:00 jog recovery); 1.5M c/d	w/ strides & drills, aerobic cross training or rest	6 20min w/u; 6x600m, first 400 @ 5K pace, last 200 @ mile pace (2:30 walk-jog rest); 15min c/d. Optional race: Miles Mania @ Ocean Breeze (mile, 800, 2mile).	5 REST (advanced = up to 25 min easy run w/ strides & drills)	11 1:20 - 1:40 at long run pace. If racing on Sunday, 30-40 min of easy running	5 30-45 min easy run w/ strides & drills), or rest
12-Feb					5	6.5	5	5.5	5	11	4
7	Specific Endurance & Aerobic Conditioning	32	37	42	40-50 min easy w/ strides & drills	1.5M w/u; 3 x Mile, First two @ 5K-10K pace, third @ 3K-5K pace	40-50 min easy run w/ strides & drills, aerobic cross training or rest	20min w/u; 3 x (3x400). In each set, run the first two at 5K pace, third at 3K pace (200m walk-jog/ 400m jog recovery); 15min c/d.	REST (advanced = up to 40 min easy run w/ strides & drills)	1:20 - 1:40 at long run pace	30-45 min easy run w/ strides & drills), or rest
19-Feb					5	6	5	5.5	5	8	4
8	Aerobic Conditioning	29	34	39	NYRR @ Armory (1 mile), OR 40-50 min easy w/ strides & drills	1.5M w/u; 3M @ 10K-15K pace; 1.5M c/d	40-50 min easy run w/ strides & drills, aerobic cross training or rest	20min w/u; 3 x 1200m @ 5K pace (1:30 jog recovery); 15min c/d. Optional race: Miles Mania @ Ocean Breeze (mile, 800, 2mile).	REST (advanced = up to 40 min easy run w/ strides & drills)	USATF NY/ NJ Indoor Champs (various events) @ Ocean Breeze OR Al Gordon 4M @ Prospect Park OR 1:20-1:40 at long run pace	Rest or up to 30 min easy
26-Feb					5	6.5	5	4.5	0	3	6
9	Race Week with Lactate Clearance	25	30	30	40-50 min easy w/ strides & drills	1.5M w/u; 3x400m @ 3K/2M pace, 4x200m @ mile pace, 2x200m @ 800 pace (2:00 rest); 1.5M c/d	40-50 min easy run w/ strides & drills, aerobic cross training or rest	20min w/u; 6x200 (2 @ 3K/@M pace, 2 @ mile pace, 2 @ 800 pace) (1:30 walk-jog rest); 1.5 c/d.	Rest	REST or up to 25 min easy run w/ strides & drills	Washington Heights 5K
4-Mar					6	8	6	7	3	11	4
10	Neuromuscular Fitness	36	42	45	45-60 mins easy w/ 4x15 secs strides	1.5M warm-up 4-8 x 800m at 5k pace w/ 2:30 jog rest 1.5M cool-down	rest	(1:30 rest); 15min c/d	Rest (Advanced runners: 20-40 mins easy)	1:20 - 1:40 at long run pace	30-45 mins easy, or rest
11-Mar					6	9	6	10.5	3	11	4
11	Aerobic Conditioning & Neuromuscular Fitness	41	47	50	45-60 mins easy- w/ 4x15 secs strides	1.5M warm-up 2x2mi at HM pace w/ 3min jog rest; 4x400m at 10k pace w/ 1:30 jog rest 1.5M cool-down	rest	20min w/u; 2x1200 @ 10K; 3x800 @ 5K; 4x400 @ >5K (2:30/ 2:00/ 1:30 rest); 15min c/d	Rest (Advanced runners: 20-40 mins easy)	1:20 - 1:40 at long run pace	30-45 mins easy, or rest

This Winter plan trains runners for distances ranging from 1 Mile up to 10k, Key races listed below include USATF NY/ NJ Indoor Champs and Washington Heights 5K with other NYRR and Ocean Breeze track races noted along the way. This training plan is intended for athletes who have run Overview: at least 20 miles per week for at least the past month, with weekly long runs and speed work. Please note the varying degrees of rest in the workouts as they vary between jog recovery OR a combination of brief walking/ mostly jogging rest between intervals. Not ready for it yet? Start with Tuesday and weekend workouts; run easy on other days.

Week	Purpose	Wkly Min	Wkly Mid		Monday Recovery Run	Tuesday Long interval workout	Wednesday Cardio Xtrain, Yoga, rest or easy run	l .	Friday REST, Cardio Crosstrain, easy run	Saturday Long run	Sunday Recovery Run & strength session
18-Mar					6	9	6	7	3	11	4
12	Neuromuscular Fitness	37	43	46	1		45-60 mins easy or rest	2x200m, 4x400m, 2x200m	Rest (Advanced runners: 20-40 mins easy)	1:20 - 1:40 at long run pace	30-45 mins easy, or rest
25-Mar					6	8	6	7	3	11	5
13	Lactate Clearance	37	43	46	45-60 mins easy w/ 4x15 secs stides	1.5M warm-up 3-4mi at HM pace 1.5M cool-down	rest	5x800m at 5k pace w/ 400m	Rest (Advanced runners: 20-40 mins easy)	1:20 - 1:40 at long run pace	30-45 mins easy, or rest

Terminology & Workout Descriptions

Easy pace Goal: build aerobic conditioning. Very low-intensity effort; should be able to talk on the phone without the caller knowing you are running. Conversation pace!

Recovery/ rest One to three days per week should have little or no sustained activity. It is OK for dedicated athletes to do strength/flexibility work (resistance/weights, plyometrics,

days yoga, stretching, etc.) on these days, but AVOID overdoing strength work -- recovery is critical to developing endurance.

Aerobic Capacity and stamina of the heart to supply muscles with oxygen for the main energy supply in races longer than 800 meters. Typically improved via long runs and conditioning tempo runs.

Neuromuscul Strength and efficiency of muscles that convert energy into forward motion. Typically improved via strides, form drills, strength training, and shorter high-speed interval runs with full recovery.

Specific The appropriate blend of aerobic conditioning and neuromuscular fitness to achieve the best possible result in a specific distance race (for example, a 10K), Typically endurance improved via longer race-pace interval runs with very short recovery (<3 mins).

Lactate Training at mixed paces around the lactate threshold point (speed at which lactic acid accumulates, an indicator of oncoming fatigue). This training results in a higher clearance threshold, i.e. the ability to race faster without risking fatigue.

Weekends Weekend workouts are flexible. The plan above may imply you should do your long run on Saturdays, but you can do a long run on either day.

Aerobic Any easy run shorter than 30 minutes can be replaced with a comparable duration of LOW INTENSITY aerobic system cross-training, such as swimming, cycling, cross-training skating or hiking.

Long Run Goal: build aerobic conditioning and running economy. This is a little faster than easy pace, but is still 45-60 seconds per mile slower than marathon pace.

Progression Goal: build aerobic conditioning. Most of the run is at Long Run pace, but the last 25-50% slowly builds to half marathon pace (or, in the case of marathoners, top speed pace is marathon pace). Finish with 1M easy.

Tempo pace Goal: build aerobic conditioning and lactate clearance. Tempo pace is a speed that is between 15K and half marathon pace.

Hill repeats Goal: develop neuromuscular fitness. Relatively short repeats (200m to 800m) on uphills at faster than 15K race pace, with full recovery.

Hill sets Goal: develop neuromuscular fitness. Timed sets of repeated uphill/downhill (400m to 800m) at a pace that is somewhere between marathon and half marathon pace. Usually 10-20 minutes in length with no rest, followed by 5 minutes of easy jogging after each set.

Lactate Goal: train the body to clear lactic acid efficiently. After warmup, a continuous run that alternates between a faster pace (such as half marathon pace minus 10 seconds per mile) and a moderate pace (such as half marathon pace plus 30 seconds per mile), with no rest between pace changes. Finish with one easy mile.

Canova Ks Goal: lactate clearance and development of running economy for half marathon and longer. A continuous run that alternates between half marathon pace (for 1K) and marathon pace (for 1K), with no rest between pace changes

This Winter plan trains runners for distances ranging from 1 Mile up to 10k. Key races listed below include USATF NY/ NJ Indoor Champs and Washington Heights 5K with other NYRR and Ocean Breeze track races noted along the way. This training plan is intended for athletes who have run Overview: at least 20 miles per week for at least the past month, with weekly long runs and speed work. Please note the varying degrees of rest in the workouts as they vary between jog recovery OR a combination of brief walking/ mostly jogging rest between intervals. Not ready for it yet? Start with Tuesday and weekend workouts; run easy on other days.

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Wkly Wkly		Cardio Xtrain, Yoga,		REST, Cardio		Recovery Run &
Week Purpose Min Mid Max Recovery Run	Long interval workout	rest or easy run	Short interval workout	Crosstrain, easy run	Long run	strength session

Recovery All recovery periods after speed intervals should be active (slow jogging) to flush buildup of lactic acid and keep heart working at steady pace. If you start to get fatigued during interval workouts, do NOT lengthen recovery period -- instead, slow down pace of speedwork or end the workout

exercises

Strides, Form Goal: develop neuromuscular fitness. Various exercises to strengthen muscles, teach good form, and improve running economy. Strides: 80-100 meters of steady acceleration, hold at 90% of full speed, steady deceleration. Form drills and core strengthening exercises: Will be taught at each workout to runners who aren't familiar with them.

MP, HMP, LT MP = projected Marathon Pace. HMP = current Half Marathon Pace. LT = current Lactate Threshold pace, estimated to be your 15K race pace or slightly faster.