

The Realities We Deal With... All we gotta do is teach kids: How to set up & execute the JUMPER? 100m dash & or 200m dash · LJ/TJ/HJ Don't forget, PROPERLY Warm up approach PROPERLY Cool down · Take off our #1 Proper sprint mechanics responsibility: Increase flexibility Flight Increase strength Increase power mechanics HURDLER? Increase self confidence Make Acceleration mechanics • Trail legs · Lead legs accelerate from blocks them take a blind exchange (Left hand) • Lead arm give a blind exchange(Left hand) take a blind exchange (Right hand) • Trail arm · Alternate over fast!!! give a blind exchange (Right hand) the hurdles? share the lane on an exchange Take off at the right time for an exchange for a 4x1 • 3 step rhythm Take off at the right time for an exchange for a 4x2

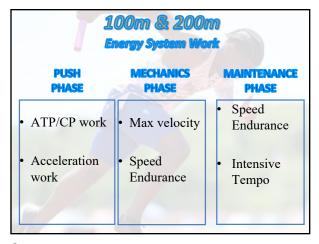
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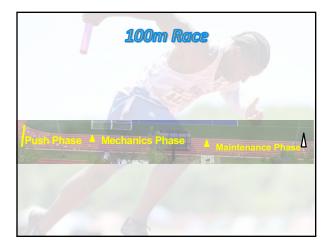
Rehearsing a Race Strategy is Critical

- We have a plan for training, therefore we should have a plan to help that training lead to results.
- Understand & teach what running the event feels like, as opposed to what it's supposed to look like-practice the feeling
- Be adaptable: Consider the strengths & weaknesses of the athlete when developing a race plan
- Keep the in-race cues simple & motor response oriented
- · React & respond in races, not think & try
- Understand track markings: universal visual keys
- Don't waste days: race modeling must also be a workout: Understand the WHY of a workout, address phases accordingly

100m & 200m Race Versetle Plans						
PUSH PHASE	MECHANICS PHASE	MAINTENANCE PHASE				
 PUSH ourselves down the track Proper Block position Proper Acceleration Mechanics (*Shin Angles) Transition when ready heels start recovering to the butt 	Pushing ends Heel is recovering fully Tall & Stepping Over 100m: end of push through max velocity 200m: "Float" phase through the "punch" into the last 80m	KEY is to maintain stride frequency GREAT Technique: TALL & QUICK Tall, shoulder forward, hammer the elbows, "hot track" RELA				

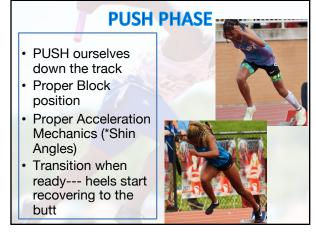
What are the demands of the event we are preparing for? •In order to get faster, the athlete must expand the energy systems used during each event						
100m	200m	400m				
-Purely Anaerobic -Speed Development ATP/CP Acceleration & Max Velocity -small speed endurance	-Speed Development ATP/CP Acceleration & Max Velocity - Slight Intensive Tempo -Heavy on Speed Endurance	Cycle through it all! -Speed Development ATP Acceleration & Max Velocity -Speed Endurance -Lactate Power -Anaerobic Threshold/Capacity -Extensive Tempo (aerobic)				
Make the most of each training session by incorporating rehearsing the race.						







STAY PATIENT						
Technical elements of acceleration are HARD TO MASTER Race execution takes time to learn and apply *THE VARIABLES!!!!!!!!						
S.R.'s	S.R.'s 2024 S.R.'s 2024					
100m Pro	100m Progression			200m Progression		
April 5	11.22		March 30	22.16		
April 18	11.30		April 13	22.28		
April 27	10.85		April 27	22.18		
May 3	10.96					
May 11	10.91		May 11	22.12		
May 18	10.77		May 18	21.99		
May 24	10.86		May 24	21.93		
May 25	10.80 (Race 5)		May 25	21.87 (Race 8)		



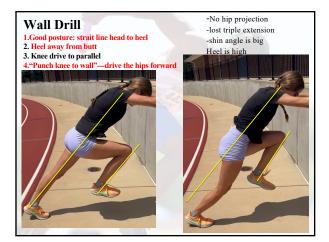
PUSH PHASE: Shin Angle • Shin angle determines drive & power output versus running bent over - More vertical shin = less drive we actually have (direction of force application) • Be in a position to push - Everything relating to positioning blocks, position in the blocks, and initial explosion out of blocks is aimed at getting in the best position to push.

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Push Phase: Shin Angle

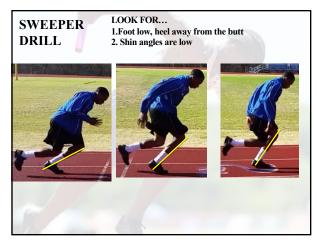
- Hard as hell to master & replicate!
- ALL DRILLS CUE:
 - Posture: tight core, hips forward, straight line through body
 - Low feet, knee to chest
- DRILLS
- Drive Step Wall drill
- Clean the Track (1 step)
- Sweeper Drill
- Push drills: sled, hurdle, trash can, steps
- Resistance Drills: sleds, cords

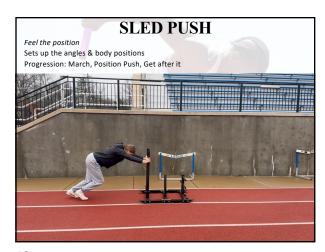


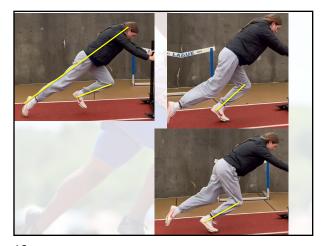


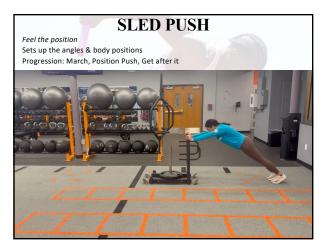
















"Separate the hands"

1. Don't care about exact 90 degree angles, but want bend for stretch reaction

"show the starter your arm pit"

DRILL: arms only starts

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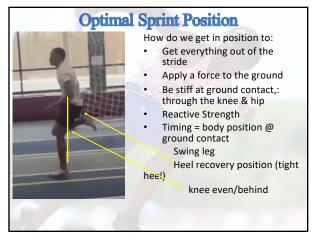
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MECHANICS PHASE

- Push Phase overHeel is recovering fully (heel to hamstring)
- Tall & Stepping Over100m: end of push
- through max velocity
 200m: "Float" phase



• 200m: "Float" phase through the "punch" into the last 80m







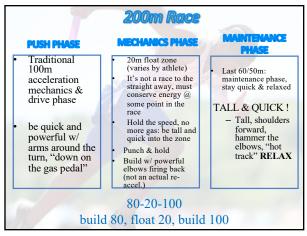














Push - Mechanics Phase Float Phase Work

80s on the turn: on a Speed Day

Start the session with blocks (Push Phase work)

EX: 3x20m, 3x30m

4-5x80m reps @ "race pace" or race simulation with

5-8 min rest

Start 20m into the race in a 3pt stance

Build/ Accelerate for 60m, then hold even for 20m segment

Should see a difference in arm action

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Mechanics - Maintenance Float & Punch Zone

Flying 120s: Speed Endurance session

- -5 reps @ 90-95% 6 min recovery:
- -fast but under control to work the zones
- 10-15m fly zone to build up speed
- Float through the 20m zone, punch/build for 50m, maintain for 50m
 - Even last 50s (should not be all out)

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Race Model Workout Variations

- Know what you want to work on What energy system
- What energy system are we targeting (determines volume & intensity

SAMPLE SESSION

- -2x120 (200m race model)
- -2x50m race model off turn
- (20m fly, 20m float, 10m punch)

SAMPLE SESSION

- -4X30m Block starts (Push)
- 1x180 @ 92% fly into it Push Mechanics (Float& Punch)
- 3x60m @ 92% last 60m into the finish (Maintenance)

Structure of Training: Meso-Cycle Progressive Loading Principles when planning workouts and progressing workouts: VOLUME & INTENSITY inverse relationship: V ↓ I ↑ OR V ↑ I ↓ Weekly Themes 1: SPEED 2: STRENGTH 3: RECOVERY							
Theme	MON	TUES	WED	THUR	FRI	SAT	
Week 1 Speed	Accel. , power	Int. Tempo (85-87%)	Active Rec.	Speed Endurance (90+%)	Pre- Meet	COMPETE	
Week 2 Strength	Special End 1 (85-90%)	Ext Tempo (83-88%)	Active Rec.	Lactate Threshold (85-90%)	Pre- Meet	COMPETE	
Week 3 Recovery	Special End 1 (90-93%)	Intensive Tempo (backend 400 pace)	Active Rec.	Race Specific Endurance (90%- Race Pace)	Pre- Meet	COMPETE	

Themed Meso-Cycles Helps focus on 100m & 200m								
Theme		MON	TUES	WED	THUR	FR	ı	SAT
Week 1 Speed- 10 focus	00m	Speed Develop.	Intensive Tempo	Active Recovery	Short Speed Endurance OR Max Velocity	Pre		COMPETE 100, 4x1, 4x2
Week 2 Strength 200m fo	cus	Speed End	Ext Tempo	Active Recovery	Lactic Work	Pre		COMPETE 4x2, 200, 4x1
Week 3 Recovery	,	Speed Develop.	Lactic work or Intensive Tempo	Active Recovery	Race Specific Endurance/ model	Pre		COMPETE
Theme	MO	N	TUES	WED	THUR		FRI	SAT
Week 1 Speed 100m	Swee Block 3x30	per drill 5x20m per drill 3x20 s: 3x20m, m, 2x50m 430m	4x2 exchanges 5x120@ 88% 3min 1300m	Hurdle mobility Block tech 4x1 stationary drill	4x1 exchanges 2x3x80m @ 95% 4min b/w reps 8min b/w sets PLYOS (720m)		Pre- Meet	COMPETE 100, 4x1, 4x2
Week 2 Strength 200m	4x220 8-10 PLYO		2x3x200@ 85% 2:30 b/w reps, 4min b/w sets (Total 1200m)	Hurdle mobility Block tech 4x1 stationary drill	2(3x30-250)@88% 1min, 5min10' sets		Pre- Meet	COMPETE 4x2, 200, 4x1 (4x4)
Week 3 Recover y	Multi STAR 3x30	ding series i Throws TS: on turn m, 3x 60m,	5x270m @ 85% 6min 1350m	Active Recovery	2x20m starts on turn 2x30m starts on turn 3x3x flying 120's (set u work last 120 of 200m	р&	Pre- Meet	COMPETE

