Phases, Execution, Race Modeling, and Breathing Patterns

Understanding the 100m & 200m Dashes



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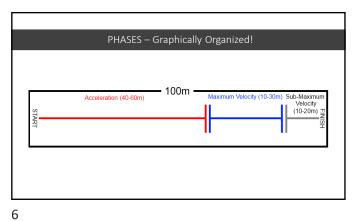


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DRIVE PHASE

GOALS & CHARACTERISTICS

- Overcome Inertia
- Build Momentum
- Patient
- Full Force
- Triple Extension
- Volitional



7

WHAT'S RIGHT

Strength
Power Line
Triple Extension
Acute Shin Angles
Long Levers
Rear Ankle Recovery
Block w/Frontside Arm



8

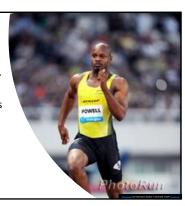


TRANSITION

MAXIMUM VELOCITY

CHARACTERISTICS

- Short Ground Contact Times
- Quick Impulses into Ground
- Short, Fast Levers
- Reflexive, not Volitional
- Coordination = Limiter



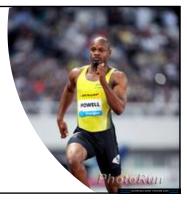
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MAXIMUM VELOCITY

GOALS

- Maintain Relaxed Torso & Face
- Backside Quick / Whip Recovery of Knee Ankle Recovers High & Tight
- Frontside





11

DECELERATION

CHARACTERISTICS

- Core Fatigue
- Postural Stability
- Longer Ground Contact Times
- Lose High Quality Coordination **GOALS**
- Tight Tummy / Hot Track!



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Finish

Timing

- Lean
- Swim

Visualization



13

RACE MODELING Playing a Song with Your Body

Basic Blueprint Providing

- Focus (Zen Sprinting)
- Orde
- Rhythm (Relaxation)
- Rest
- Template for Improvement



14

The "Hold"

Valsalva Maneuver

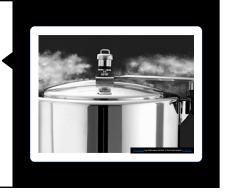
- Primal Response
- Air Splint - Excites Nervous System?
- •

Technique

- Slow exhalation over 15-20m
- Inhale at "Breath" Marks

Inhalation

- Use Momentum, Not Effort





OVERVIEW

16

Breathing Zone

5m Inhale & Freewheel Hold & Transition the Cue



17

TRAINING

Progressive w/Hurdle Gates – Acceleration or Max Velocity Days

- Athletes in Lanes 3 & 5
- Hurdles as Gates in Lanes 2, 4, 6
 Coach gets Hoarse at Later Stages (cue reminding!)

Indoor Emphasis

0 – 15m Push – Push – Push & Breathing Technique

Then Add: 15 – 20m Inhale & Transition to Taller, Stronger 20 – 35m

Then Add: 35 – 40m Inhale & Transition to Step Over! 40 – 60m

Outdoor Emphasis
Transitions & Holds through *Grab Back (65-85m)* and *Tight Tummy-Hot Track! (90-100m)*Can Perform Sub-Maximally on Recover Days

200m Race Model

- Same as 100m through 80m Beginning of the 4 x 100 Fly Zone
- Float through the Fly
- 4 In 4 Out Breathing Pattern
- Speed Endurance

 - Hold Posture
 Maintain Short Ground Contact Times
 Incorporate Pattern in Practice

