## SPRINTT RELAY EXCHANGEG AND <br> SPEED DEVELOPMENTI <br> CHRIS HERRIOT <br> ARROWHEAD HIGH SCHOOL <br> herriot(@)ash.k12.wi.us

- SPRINI RE벼NS
-400M RELAY
-800M RㅋLAY -1600M RELAY
-TECHNIGAL ASPECTS
- V/ARJOUS REQUIREMENIT FOR INDIVIDUAL LEGG
- PSYCHOLOGICALASPECTS?


## $\mathbb{K}$ ㅌE Y POMNTS

RULE\#1-

- THE TEAM THATI GEIS THE BAATON AROUND THEFASTEST WINS
RULE \#2
- YOU WON"T GEr'TO USE HHE 4 Spriniters YOU WANIT TO USE
RULE \#3.
- SOMEONE WILLL SGREW UP. . . MAKE SURE THEY AREREADY


## 

- 400M RELAY
- TRADIMONALLy
- isThEGANDANGHOR FASMESM
- Special Requiremenis
- REFERTO RULE *
- BLOCK SKILLS
- RUNNING THE CURVE
- ABhlity To work whis HANDOFFPARINER
- NERVES (GAN YOUR FASTEST KID TAKETHIE PRESSURE OF $^{7}$ ANCHORING)
- Weak link



## SEIT UP FOR FIRST'AND

 SECOND RUNNERS
## KEY POINITS

KNOW THE ZONE
AGGELERATION ZONE?

STAGGERED IN LANE

1IT RUNNER
MUST USELEFT
2 NP RUNNER
MUST USE RIGHIT
Right Side Left Hand

$$
17 \text { to } 25 \text { Steps }
$$

Left Side Right Hand


- Passing the baton
-CLOSED EXCHIANGE
- INCOMING RUNWEEs
- WHENTO CALL SUCK
-AMMFOR ELEOW THEN PALM
- SHOOT ARM SURAGHIT FORWARD
- OUTGOLNG RUNNER?
- SNATICHVSLAYOUT
- CHECK OFFF POWM?
- HIP CHECK
- Practice
-CHECKING FORSPEED
- MAKE THIS PARIT OF゙ YOUR SPEED TRAINING -VIDEOU Iddy
- 800M/ RELAY
-Tradmonally
- TREATED LIKE 400M RELLAY
-SPECLAL
CONSIDERATIONS
- BLOCK SKILLS
- WIND
- Indoor Vs OUTDOOR
- CONSISTENCY WITH THESTICK
- WEAK LINK (LESS ROOM TO PLAY)


## SET UP $1^{\text {ST }}$ AND 2ND 800 M RELAY

@ OUTDOOR
WHERE TO START
SPECIAL
CONSIDERATIONS
SOFT RELEASE
EMERGENCY CHECK POINT

ADJUSTING TO THE INEVITABLE

PRACTICE CONSIDERATIONS 15 to 1/8 Steps
IINDOOR
ORDER
EXCHANGES


- 1600M Relay
- Promotemig cultro mie $4 \times 4$
- IT'S AN HONORNOTA PUNISHMENTI
- Traditionally
- istleg and Ancher FASTEST
- SpEcial Consideramions
- INDOOR VS OUTDOOR
- COMPEIMONI
- DO YOU haVE A kid Whio WOULD RAMFIER DIE HLAN LOSE? IF YES HIEORSHEIS YOURANCHORI!
- Preparing forits


RULE \# 3 IN ACTION

- PASSING THE BANTON
-OPEN EXCHANGE
-HOLDING THEBEAION
-INCOMING RUNNER
- CANDLE STICK
-OUT GONG RUNNER?
- ThIREE SiJEP AND TJURN
- TEACH 2ND TANGENISAT THE BREAK
-INDOOR
S'PEED TRANING


## CHRIS HERRIOT

Alrowhesed fligis School berriotoestist2,wius

## PERSONAL BACKGROUND

- HIGH SCHOOL
-KETTLE MORAINE
- COLLEGE
-UW-MILWMAKEE/ UW LA CROSSE
- ARROWHEAD
-HEAD COACH SINCE 2003

2009 SCHOLASTIC TRACK CLINUC

## ALL-TIME SPRINT RELAYS <br> Updated 2008

## 400 Meter Relay

Jason Prekop, Eric Jankowski
Zach Swan, Josh Hurlebans
43.1
'03
Chris Pendergast, Ryan Hilemdorf
Danny Zeigler, Blake Vas sar $\qquad$
Trevor Grieber, Cory Pinkner
Jake Vis, Tony Gruenwald
Wangerin, Tomasini,
Vento, Ebechardt'97

| Luke Ceizki, Paul Schiller |  |  |
| :--- | ---: | ---: |
| Tony Grumwald, Wes Kavelaris | 44.23 |  |
| ' 06 |  |  |

Cull, Semarn, Eicher, Brophy $44.1 \quad$ ' 94

Prekop, Jankowski,
M. Berendes, Hurlebaus 44.2 '03

Wehlage, Swan, O'Shea, Prekop 44.4${ }^{\prime} 02$

## 800 Meter Relay

Eric Jankowski, Mike Berendes, Brad Peters on, Josh Hurlebaus 1.29 .3${ }^{\prime} 03$
Carl Goehner, Erik Felt,

| Brad Peters on, Mike Berendes | $1: 29.47$ | '0 |
| :--- | :--- | :--- |
| Luke Ceizki, Derek Steinbach <br> Paul Shiller, Wes Kavelaris | $1: 30.82$ | '06 |

Trevor Grieber, Jake Vis

| Tony Gruenwald, Wes Kavelaris | $1: 30.90$ |
| :--- | :--- |
| '07 |  |

Erik Felt Lucus Ceizki
Mike Berendes, Brad Peterson
1:30.9${ }^{\circ} 04$

Jason Prekop, Eric Jankowski,
Mike Berendes, Josh Hurlebaus
1.31 .3'03

Luke Ceizki, Derek Steinbach
Jave Vis, Wes Kavelaris
1:31.45

| Evan Resimius, Casey Panawash.B |  |  |
| :---: | :---: | :---: |
| Danny Zeigler, Blake Vas sar | 1:31.78 | \%8 |
| B. Le Monds, S. Klemhans, R. Klienhans, Sarsfield | 1.31 .6 | 87 |
| M. Berendes, Wes Kavelaris Carl Goehner, E. Felt | 1:31.8 | '05 |
| Lucas Ciezki, Paul Schiller, Jake Vis, Wes Kavelaris | 1:32.67 | 06 |
| Momsen, Simpson, Tarkowski, Brevard | 1.32 .9 | 90 |
| Jason Prekop, Eric Jankowski Brad Peters on, Brendon O' Shea | 1.33 .01 | '03 |
| Ebehardt, Tomasini, Vento, Prust | 1.33 .0 | 97 |
| Trevor Grieber, Jake Vis <br> Toney Gruenwald, Joe Greenhagen | 133.18 | '07 |
| T. Le Monds, Justman, Simps on, R. Kleinhans | 1.33 .2 | 88 |
| T. Le Monds, B. Le Monds, Kowal, Sarsfield | 1.33 .3 | 86 |

## 1600 Meter Relay

Joe Mcfarland, Jake Vis
$\begin{array}{lll} \\ \text { Derek Steinbach, Wes Kavelaris } & 3: 21.06 & \text { ' } 07\end{array}$
Danny Zeigler, Jeremy Grams
Casey Panawash-B., Tim Hucke $\quad 3: 21.58$ '08

Mike Berendes, Erik Felt
Jason Sleaper, Brad Peters on
$3.21 .75 \quad$ '04
Paul Schiller, Joe McFarland
Derek Steinbach Wes Kavelaris 3:21.93 -06

Pat Carew, Erik Felt
Wes Kavelaris, Mike Berendes
3:22.03

| Steinbaver, S. Kleinhans, Heidvogel, Sarsfield | 3.22 .1 | 86 |
| :---: | :---: | :---: |
| Sarsfield, Steinbauer, Linnan, G. Kleinhans | 3:22.1 | 85 |
| Bolton, Brophy, <br> $\mathrm{O}^{\prime}$ Corner, Boldt | 3:22.3 | '93 |
| Eicher, Brophy, <br> $\mathrm{O}^{\prime}$ Cormer, Boldt | 3:22.3 | '?? |
| Jake Vis, Tim Hucke <br> Derek Steinbach, Wes Kavelaris | 3:22.81 | '07 |
| Wes Kavelaris, Jake Vis Tim Fucke, Joe McFarland | 3:22.90 | '07 |
| Mike Berendes, Alex Sleaper Erik Felt, Brad Peters on | 3.23 .57 | ${ }^{\circ} 0$ |
| Mike Berendes, David Hucke Erik Felt, Brad Peters on | 3.24 .1 | ${ }^{\circ} 03$ |
| Pat Carew, Erik Felt <br> Paul Schiller, Wes Kavelaris | 3:24.5 | ${ }^{\text {'05 }}$ |
| B. Le Monds, Pardun <br> R. Kleinhans, Sorsfield | 3:25.9 | 87 |

## WHAT CONSTITUTES A SPEED WORKOUT?

## WHEN DO YOU DO ONE?

## AREN'T WE ALL STARTING FROM SCRATCH?



## 

## If you want to race fast you have to train fast!



1. FLEXIBILITY
2. COORDINATION
3. WORK CAPACITY
4. STRENGTH

## 5. SPEEED

2009 SCHOLASTIC TRACK CLINUC
Fryouarr Fivajil

- START WITH THE


## BASICS

- ARMAGTON
- SHOOT FOR $90^{\circ}$
- HANDS
- Drills
- Stress at All TIMES



2009 SGHOLASTIC TRACK CLINC $F E$
n
Frsojan Fiofikl


## 



## 

- Improving

ACGELERATION FORM

- Wall Drilles
- KEEP BODY N STRAGHTLINE
- BACK LEG AND FRONITHINSHOULD BEATSAME ANGLE
- SPEED HARNJESS
- FACETO FACE DRILL
-NEVER OVER RESIGT


## 



- A-SKIPS (FOCUS ON FRONIT SIDE OR BACK SIDE MECHANICS)
- Butr Kicks
- DON'T REVGAL THE HIEAL
- QUCK STEP ALIERNATING BUTH KICKS
- FAST LEG
- HuRdLES
- March
-FAST LEG
- ANKLING
- STEP OVER RUN


## 

1. A-Skips
2. B-Skips
3. Alternating D. B. Kick
4. Alternation S. B. Kick
5. Butt Kick
6. Alternation D.B. Kick
7. C-Skips


## HPCsport.com

|  | I, 「) remer | , | $D$ |
| :---: | :---: | :---: | :---: |
|  |  |  |  |
| Active Dynamic Warmoup | Exercise | Set | Rep/Dis/Dur |
|  | Neck Clock | 1 | 5 |
|  | Arm Hug | 1 | 5 |
|  | Arm Circles Micro/Mac | 1 ea | 5 |
|  | Hurdle Seat Change | 1 | 5 |
|  | Leg Swing Supine Alternate | 1 | 5 |
|  | Prone Scorpion | 1 | 5 |
|  | Rocker Half w/ Inside Hurdle | 1 | 5 |
|  | Leg Swing Sagital | 1 | 8 |
| Th | Quadriceps Stretch Walk | 1 | 20 |
|  | Inverted Toe Touch | 1 | 20 |
|  | A Skip | 1 | 20 |
|  | Backward A Skip | 1 | 20 |
|  | 1/2 Speed Build-Up | 1 | 20 |
| Knee HugStraight Leg MarchButt KicksButt Kick Alternating Legs |  | 1 | 20 |
|  |  | 1 | 20 |
|  |  | 1 | 20 |
|  |  | 1 | 20 |
| 3/4 Speed Build-Up <br> Elbow to Instep |  | 1 | 20 |
|  |  | 1 | 20 |
| Scale Walk 15 |  |  |  |
| Fast Leg R 10 |  |  |  |
| Fast Leg L 10 |  |  |  |
| 3/4 Speed Build-Up 10 |  |  |  |
| Lung Walking 120 |  |  |  |
| Leg Cradle 1 |  |  |  |
| Ankling 1 |  |  |  |
| $\begin{array}{lll}\text { Step Over Run } & 1 & 20\end{array}$ |  |  |  |
|  | Full Speed Build-Up | 4 | 50 |

- AVOID BAD StErizoIYpes -ALWAYS STRESS FORM! -ExCESSIVE SPEED TRAINING - TRYing to manntaln max LeVELS FOR LONG PERIODS OF TIME ( $>10$ SEC)
- RUNNING SLOw -PACE W/ORKOUIS
 EIIDUrAII ヨ,
- BEGIN LATE FIALL EARLY W/INTER TRAINING
- WORKOUTS WIITH SPEED COMPONENT -BLOCK STARIS
-SHORT SPRINIS OVERS 20 T0 40 M SOMETMMES 60
- AFTER NEW StIErizotypes of spegd ARE PRODUCED WORK SPEED ENDURANGE (BEGINNING OF SEASON)


## 

- HOW TO IMPROVE
-MUST ChANGE CENHRAL NERVOUS SYSTEM
- OVER SpEad
- RESISTANGE RUNS
- Contragt Training
-RESISTANGE-ASSISTANGE NORMAL
» SLIED, BUNGEE, FLAT
- INAND OUTS

- How to sar up Spainir Workout SEASON
- STARTI END OF THIE SEASON
- PLAN EVERYY DAY OF゙ THESEASON ALLAT ONCE
- EVERYTHING MUSIS BE PERIODIZED
- RUNNING
- LIFTiNG
- USE K.I.S.S MEMHOD


## 

# Periodization is simply dividing an atthlete's training program into a number of periods of time, each with a specific training goal or goals. William H. Freemann "Peak Whien it Counts" 

## 

## To cause the Body to

 continually adapt to new conditions of overload and to allow the muscles to recover from the stress of training.
# Don't do this! 

## 

「TRAIIIIG LOAD FOR SPRINTERS IS NOT SIMPLY FOUND BY ADDIIG UP THE DIFTAICE RUN. YOU MUST ALSO INCORPORATE THE INTENSITY OF' TFE YYORKOUT AND THE AMOUNT OF REST

$$
\begin{gathered}
10 \times 200 @ 30 / 2 \text { MIN REST }=2000 \mathrm{MI} \\
\text { COMPARED TO }
\end{gathered}
$$

$8 \times 200 @ 27 / 45$ SEC REST = 1600 M


## Monotn

|  |  | COMPONENT |  | Percent | Rest | based on best |  | race distance. |  |  | sion |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| COMMON | LENGTH | AND DESCRIPTION | Energy | of | Interval | 100 | dres | 200 |  | 400 |  |
| TERM1- | OF | OF OBJECTIVE | System | Best | Betw een | Meters |  | Meters |  | Meters |  |
| NOLOGY | RUN |  |  | Performance | Reps / Sets | Min. | Max. | Min. | Max. | Min. | Max. ' |
|  | >200m | AEROBIC CAPACITY [AC] | AEROBIC | <69\% | $<45^{\circ} /<2^{\prime}$ | 1400 | 3000 | 1800 | 3000 | 2400 | 4000 |
| EXTENSNE TEMPO |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  | >100m | AEROBIC POWER [AP] | AEROBIC | 70-79\% | $30^{\prime \prime}-90^{\prime \prime} / 2-3^{\prime}$ | 1400 | 1800 | 1800 | 2400 | 1800 | 3000 |
| INTENSNE | $>80 \mathrm{~m}$ | LACTACID CAPACITY [LAC] | MIXED | 80-89\% | $30^{\prime \prime}-5^{\prime \prime} / 3-10^{\prime}$ | 800 | 1800 | 800 | 2000 | 1000 | 2800' |
| TEMPO |  | Anaerobic Capacity | AER/ANAER. |  |  |  |  |  |  |  |  |
| SPEED | 20-80m | SPEED [S] | ANAEROBIC | 90-95\% | 3-5'/6-8' | 300 | 800 | 300 | 800 | 300 | 900 |
|  |  | Anaerobic Pow er | ALACTIC | 95-100\% | 3-5 $/ 6$-8' | 300 | 500 | 300 | 600 | 300 | 600 |
|  |  | Alactacid Strength |  |  |  |  |  |  |  |  |  |
|  |  | ALACTIC |  |  |  |  |  |  |  |  |  |
|  | $30-80 \mathrm{~m}$ | SHORT SPEED END. [ASSE] | ANAEROBIC | 90-95\% | 1-2'/5-7' | 300 | 800 | 300 | 800 | 600 | 1200, |
|  |  | Anaerobic Pow er | ALACTIC | 95-100\% | 2-3'/7-10' | 300 | 800 | 300 | 800 | 600 | 1200 |
|  |  | Alactacid Capacity |  |  |  |  |  |  |  |  |  |
|  |  | GLYCOLY TIC |  |  |  |  |  |  |  |  |  |
| SPEED | $<80 \mathrm{~m}$ | SHORT SPEED END. [GSSE] |  |  |  |  |  |  |  |  |  |
| ENDURANCE |  | Anaerobic Capacity | ANAEROBIC | 90-95\% | 1'/3-4' | 300 | 800 | 300 | 800 | 600 | 1200, |
|  |  | Anaerobic Pow er | GLYCOLYTIC | 95-100\% | $1^{\prime} / 4^{\prime}$ | 300 | 800 | 300 | 800 | 600 | 1200' |
|  |  | Lactacid Capacity |  |  |  |  |  |  |  |  |  |
|  | 80-150m | SPEED ENDURANCE [SE] | ANAEROBIC | 90-95\% | 5-6 ${ }^{4}$ | 300 | 900 | 600 | 1200 | 400 | 1000, |
|  |  | Anaerobic Pow er | GLYCOLYTIC | 95-100\% | 6-10' | 300 | 600 | 300 | 600 | 400 | 800 |
|  |  | Lactacid Strength |  |  |  |  |  |  |  |  |  |
| SPECIAL |  | LONG |  |  |  |  |  |  |  |  |  |
| ENDURANCE | 150-300m | SPEED ENDURANCE [LSE] | ANAEROBIC | 90-95\% | 10-12' | 600 | 900 | 600 | 1200 | 600 | 1200 |
| I |  | Anaerobic Pow er | GLYCOLYTIC | 95-100\% | 12-15' | 300 | 900 | 300 | 1000 | 300 | 1000 |
| SPECIAL | $300-600 \mathrm{~m}$ | LACTACID POWER [LAP] | LACTICACID | 90-95\% | 15-20' | 600 | 900 | 600 | 1200 | 900 | 1200' |
| ENDURANCE |  | Lactic Acid Tolerance | TOLERANCE | 95-100\% | FULL | 300 | 600 | 300 | 600 | 300 | 900 |
| II |  |  |  |  |  |  |  |  |  |  |  |
| Gary Winckler | 1987 |  |  |  |  |  |  |  |  |  |  |

## 



TuEsBay

On field Strength Conditioning

## Plyos

2 a hop both feet over line 30 sec
2 x hop 1 foot over line 30 sec
Hop for distance and Height both
Hop for distance and Height 1 leg
Lunges $1 \times 20 \mathrm{M}$
Bleachers
1 leg sit and stand 810
Alt Leg Step ups for height $2: 8$

| Rencies: 5pees 95x |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | 18 | 5 |  | 50 | 250 |
|  | \% | 5 |  | 20 | 200 |
|  | \% | 5 | \% | 20 | 200 |
|  | \% | 0 | 8 | 0 | 0 |
|  | 8 | 1 | \% | 0 | 0 |
|  | 8 | 1 | 8 | 0 | 0 |
| Daily Total |  |  |  |  | 650 |
| Rest: Walk Back (1:00-2:00)** |  |  |  |  |  |
| Technical Work |  |  |  |  |  |
| Work 30M out of blocks then work sticks for 50 M "A3 back for 2 of each set |  |  |  |  |  |

MEDNEEDAY

##  <br> 

| Renaisat letanive Tamp **x |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 3 | \% | 4 | \% | 80 | 960 |
|  | : |  | \% | 0 | 0 |
|  | ${ }^{2}$ |  | \% | 0 | 0 |
|  | ${ }^{3}$ | 2 | ${ }^{\circ}$ | 0 | 0 |
|  | \% | 2 | 8 | 0 | 0 |
|  | \% | 2 | 8 | 0 | 0 |
| Daily Total |  |  |  |  | 960 |

Rest: 90 sec 5 min between sets

## Technical Work



## THUREBDAY

| Rembieq: Speed Endurance 95\% |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | 8 | 3 | 30 | 90 |
|  | \% | 1 | 100 | 100 |
|  | \% | 1 | 150 | 150 |
|  | 8 | 1 | 100 | 100 |
|  | 8 | 1 | 150 | 150 |
|  | 8 | 1 | 100 | 100 |
| Daily Total |  |  |  | 690 |

Rest: 3 Min for 30 's 5 Min 100 's 15 Technical Work
$100=12150=19$

On field Strength Conditioning


## PERCENTAGE CHART

| 200 Time | $60 \%$ | $65 \%$ | $70 \%$ | $75 \%$ | $80 \%$ | $85 \%$ | $90 \%$ |
| ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| 22.0 | 36.7 | 33.8 | 31.4 | 29.3 | 27.5 | 25.9 | 24.4 |

## 



- TOO SHORT FOR MAJOR ADAPTATION
-2 DAYS FOR TRAINING AFFECT
- LACK OF ACCESS TO FACILITIES
- DAYS AVAJLABLE FOR PRACTICE
- ATHLETESS AT YEERY DIFFERENT LEVELLS OF FITNESS
- KIDS CAN DO GENERAL ENDURANCE WORKOUTS BEFORETHE SEASON STARTS
- RUNNING CAN BE DONE ANYWHERE
- TRAINING GAN WORK ON A THREE DAY ROTATION
- WORKOUIS CAN BE EASILY ADAPTED FOR ALL ABJLITY LEEVELS


## 

## MONDAY WEDNESDAY FRIDAY

| 1 | Intensive Tempo (AP) | Speed (S) | Extensive Tempo |
| :--- | :--- | :--- | :--- |
| 2 | Intensive Tempo (AP) | Speed (S) | Extensive Tempo |
| $\mathbf{3}$ | Intensive Tempo (AP) | Speed (S) | Extensive Tempo |
| $\mathbf{4}$ | Intensive Tempo (LAC) | Speed (S)/ <br> Speed (AASE) | Speed Endurance (GSSE) |
| $\mathbf{5}$ | Intensive Tempo (LAC) | Speed (S)/ <br> Speed (ASE) | Speed Endurance (GSSE) |
| $\mathbf{6}$ | Intensive Tempo (LAC) | Speed (S)/ <br> Speed (AASE) <br> Speed (S)/ <br> Speed Endurance (SE) | Pre-Meet |
| $\mathbf{8}$ | Intensive Tempo (LAC) | Intensive Tempo (LAC) <br> Speed (S)/ <br> Speed Endurance (SE) | Pre-Meet |
| 9 | Intensive Tempo (LAG) | Speed (S)/ <br> Speed Endurance (SE) | Pre-Meet |

## 4 リ! 켤

## MONDAY WEDNESDAY

## FRIDAY

| 1 | Intensive Tempo (LAC) | Speed (S)/ <br> Speed (AASE) | Speed Endurance (GSSE) |
| :--- | :--- | :--- | :--- |
| 2 | Intensive Tempo (LAC) | Speed (S)/ <br> Speed (AASE) | Speed Endurance (GSSE) |
| $\mathbf{3}$ | Intensive Tempo (LAC) | Speed (S)/ <br> Speed Endurance (SE) | Pre-Meet |
| 4 | Intensive Tempo (LAC) | Speed (S)/ <br> Speed Endurance (SE) | Pre-Meet |

## SAMPLEE FIIGH SCHOOL SEASOM IAD BRAAKDOWN

|  | Cyeyers <br> Fコeparetios | Speciod <br>  |  |
| :---: | :---: | :---: | :---: |
| MONDAY | INTENSIVE TEMPO | INTENSIVE TEMPO | INTENSIVE TEMPO |
| TUESDAY | SPEED-/SHORT SPEED ENDURANCE | Speed/ SHORT Speed ENDURANCE | SPEED-SHORT SPEED ENDURANCE |
| WEDNESDAY | Extensive TEMPO | Extensive Tempo | Extensive Tempo |
| THursday | SPEED- <br> AEROBIC <br> ALACTIC | SPEED- SHORT SPEED ENDURANCE ANAEROBIC | SPECIAL ENDURANCE I |
| Friday | Speed Endurance <br> SHORT SPEED <br> ENDURANCE | SPECIAL ENDURANCEI | WARM-UP <br> Light Speed (Sticks) |
| SATURDAY | RESTORATION | RESTORATION/ COMPETITION | RESTORATION/ COMPETITION |

1. ENDURANCE RUNS AND STRENGTH ENDURANCE
2. SPEED DEYELOPMENIT RUNS AND SPEEED STRENGTH DEVELOPMENTI (JUMPING AND BOUNDING)
3. SPEED DEVELOPMENIT RUNS AND EXPLOSIVE DYNAMIC STRENGTHI DEVELOPMENITS EXERCISE (SHORT JUMPS)
4. SPEED DEVELOPMENTI RUNS WMHE MOVEMENTI COORDINAIIION DEVELOPMENT EXERCISES (STARIS, STICKS, FORM DRILLS)
iloincooilrifriヨulan
5. SPEED DEVELOPMENH W/HFLANY TYPEOF ENDURANGERUNSOVER 80M
6. SPEED DEVELOPMENH W/MH STRENGMH ENDURANGE DEVELOPMENTI EXERGISES.
7. SPEED DEVELOPMENIT WMHSTRENGH DEVELOPMENIT EXERCISE (MAXIMIAL STRENGTH MEIHOD)
8. StRENGTH DEVELOPMENIT (MAXIMAL STRENGTH MEMHOD) WMH ANY TYPE OF ENDURANGERUNS.
9. ExERCISE COMFLEXES FOR THE DEVELOPMENTI OF COORDNAHION WIHH STRENGH DEVELOPMENTI EXIERGSES.

- TURN TO THIE SAMMFLE SEASONAL BREAKKOWNIN YOUR PACKIJ
- USE THE CLASSIFICATIONOF ENERGY SYSTEMM TRAINING Chart To GRyEATEA PREIODIZED WORISOUT


## GOOD EUCK THIS SEASON! DON'「 BE AFRADD TO TRY SOMETHING NEW.

## -VERY IMPORTANIT FOR 400M -HELPS INGREASE OXYGEN UPTAKE -RUNS DONE AT SLOWER PACE -EMPHASIS SHOULD BE QUANTITY AND NOT QUALITY <br> -SHORT 2 TO 3 MINUTES



- RUNS AT 90 TO 95\% MAXIMIUM EFFORTS


## 

|  | Nexertol <br>  | BDeviel <br> - Jojutiou |  |
| :---: | :---: | :---: | :---: |
| MONDAY | INTENSIVE TEMPO | INTENSIVE TEMPO | INTENSIVE TEMPO |
| TUESDAY | SPEED-SHORT SPEED Endurance | SPEED/SHORT SPEED ENDURANGE | SPEED-SHORT SPEED ENDURANCE |
| WEDNESDAY | EXTENSIVE TEMPO | EXTENSIVE TEMPO | EXTENSIVE TEMPO |
| Thursday | SPEED- <br> AEROBIC <br> Alactic | SPEED-SHORT SPEED ENDURANCE ANAEROBIC | SPECIAL ENDURANCE I |
| Friday | SPEED ENDURANCE <br> SHORT SPEED <br> ENDURANCE | SPECIAL ENDURANCE I | WARM-UP LIGHT SPEED (STICKS) |
| SATURDAY | RESTORATION | RESTORATION/ COMPETITION | RESTORATION/ COMPETITION |

## 

|  | Hexeral <br> P30 pareive | Beecied Rコロpurtios |  |
| :---: | :---: | :---: | :---: |
| MONDAY | INTENSIVE TEMPO | INTENSIVE TEMPO | INTENSIVE TEMPO |
| TUESDAY | SPEED-/SHORT SPEED ENDURANCE | Speed/ Short Speed ENDURANCE | SpEED-SHORT SPEED ENDURANCE |
| Wednesday | Extensive Tempo | Extensive TEmpo | Extensive TEmpo |
| THursday | SPEED- <br> AEROBIC <br> AlACTIC | SpEED-SHORT SPEED ENDURANCE ANAEROBIC | SpECIAL ENDURANCE I |
| Friday | Speed Endurance <br> SHORT SPEED <br> ENDURANCE | SPECIAL ENDURANCEI | WARM-UP <br> LIGHT SPEED (Sticks) |
| SATURDAY | RESTORATION | RESTORATION/ COMPETITION | RESTORATION/ COMPETITION |


| Common Terminology | Length of Run | Component and Description of Objective | Percent of Best <br> Performance | Rest Interval Between Reps/Set | Volume range per session |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | $100 M$ |  | $200 M$ |  |
|  |  |  |  |  | MIN | MAX | MIN | MAX |
| Extensive Tempo | >200M | AEROBIC CAPACITY (AC) | <69\% | <45"/ <2' | 1400 | 3000 | 1800 | 3000 |
| Intensive Tempo | $\begin{aligned} & >100 \mathrm{M} \\ & >80 \end{aligned}$ | AEROBIC POWER (AP) LACTACID CAPACITY <br> (LAC) Anaerobic Capacity | $\begin{aligned} & 70-79 \% \\ & 80-89 \% \end{aligned}$ | $\begin{aligned} & 30^{\prime \prime}-90^{\prime \prime} / 2-3^{\prime} \\ & 30^{\prime \prime}-5^{\prime} / 3-10^{\prime} \end{aligned}$ | $1400$ | $\begin{aligned} & 1800 \\ & 1800 \end{aligned}$ | $\begin{aligned} & 1800 \\ & 800 \end{aligned}$ | $\begin{aligned} & 2400 \\ & 2000 \end{aligned}$ |
| Speed | 20-80M | SPEED (S) Anaerobic Power Alactacid Strength | $\begin{aligned} & 90-95 \% \\ & 95-100 \% \end{aligned}$ | $\begin{aligned} & 3-5^{\prime} / 6-8^{\prime} \\ & 3-5 / 6-8^{\prime} \end{aligned}$ | $\begin{aligned} & 300 \\ & 300 \end{aligned}$ | $\begin{aligned} & 800 \\ & 500 \end{aligned}$ | $\begin{aligned} & 300 \\ & 300 \end{aligned}$ | $\begin{aligned} & 800 \\ & 600 \end{aligned}$ |
|  | 30-80M | ALACTIC SHORT SPEED END. (ASSE) Anaerobic Power Alactacid Capacity | $\begin{aligned} & 90-95 \% \\ & 95-100 \% \end{aligned}$ | $\begin{aligned} & 1-2^{\prime} / 5-7 \prime^{\prime} \\ & 2-3 / 7-10^{\prime} \end{aligned}$ | $\begin{aligned} & 300 \\ & 300 \end{aligned}$ | $\begin{aligned} & 800 \\ & 800 \end{aligned}$ | $\begin{aligned} & 300 \\ & 300 \end{aligned}$ | $\begin{aligned} & 800 \\ & 800 \end{aligned}$ |
| Speed Endurance | <80M | Glycolytic <br> SHORT SPEED END. <br> Anaerobic Capacity <br> Anaerobic Power | $\begin{aligned} & 90-95 \% \\ & 95-100 \% \end{aligned}$ | $\begin{aligned} & 17 / 3-4^{\prime} \\ & 1^{\prime} / 4^{\prime} \end{aligned}$ | $\begin{aligned} & 300 \\ & 300 \end{aligned}$ | $\begin{aligned} & 800 \\ & 800 \end{aligned}$ | $\begin{aligned} & 300 \\ & 300 \end{aligned}$ | $\begin{aligned} & 800 \\ & 800 \end{aligned}$ |
|  | 80-150M | Lactacid Capacity SPEED ENDURANCE (SE) Anaerobic Power Lactacid Strength | $\begin{aligned} & \hline 90-95 \% \\ & 95-100 \% \end{aligned}$ | $\begin{aligned} & 5-6^{\prime} \\ & 6-10^{\prime} \end{aligned}$ | $\begin{aligned} & 300 \\ & 300 \end{aligned}$ | $\begin{aligned} & 900 \\ & 600 \end{aligned}$ | $\begin{aligned} & 300 \\ & 300 \end{aligned}$ | $\begin{aligned} & 1200 \\ & 600 \end{aligned}$ |

