

Linear speed overview - Acceleration Mechanics Resisted side training - Prescription of load Training considerations and gu - Putting it all together	idelines



















Force during acceleration	n
	BAL Loonder Performance Laboratory 100 100 100 100 100 100 100 100 100 10
	-50 0.2 0.4 0.6 0.8 1 Time (Seconds)
ATH	AUT SPORTS PERFORMANCE HISTARCH INSTITUTE NEW EEALAND CONTENTING 2018



































9.00 8.00 - 7.00 -	Unresisted		9.00 8.00 7.00		Light	
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		Pee Peet	12/	and the second s		Pro = = = Post
0.00	Distance (m)	ż	23	ŝ	10 15 Ostance (m)	20
7.00	Moderate		8.00 7.00 2.00 2.00	<i></i>	Heavy	
		Past	1	4		Post
1.00 1 5	10 15	20	25 0.00	÷	10 15	20











Targeted Adaptation	Technical competency <10% Vdec	Speed-strength 25% Vdec	Power 50% Vdec	Strength-speed 75 - 85% Vdec			
,E	Add a resistive stimulus without affecting mechanics	Increase force production capability during transition to Vmax	increase force production capability during late acceleration	Increase force production capability during initial acceleration			
ALL ALL	Not applicable due to use of the arms	Total body horizontal strength with transition to Vmax emphasis	Total body horizontal strength with late acceleration emphasis	Total body horizontal strength with initial acceleration emphasis			
Training bias based on stage of maturity	and age-related neuro	ween training stimulus al development of pre- youth	Greater synergy between training stimulus and maturity-related neural and structural development of post-PHV youth				
ATH							

v	Lege iolane (Meter Intenity (*	i yer session) i Ydac)	36 V doc	5 5 5 5 5 5 5 5 5 5																
xining Cycle Meso				(7)						577										
					1	2		4	5	6		8	9	10	3 11	12	13	14	4	16
	Training Frequency Reps per Session			2	2	2	- 2	- 2	2	2	2	2	1	2	2	2	1	2	2	
			7x5m	8150	91.5m	7x75e	6x15e	71750	8x75e	6x75m	4x15m	5x15m	6 x 15m	4 x 15m	4 x 22.5e	5 x 22.5e	6 x 22.5e	4 1 22.5m		
S	Session Training Load (Volume x Intensity)		205	3400	3625	2975	3375	3958	4500	3875	3000	3750	4500	3000	2250	2812	3375	2290		
Г	Zone of Training				Strength-Speed				Streigth-Speed			Power				Speed-Strength				
Г	Targeted Phase of Sprinting				Acceleration				Early Acceleration			Late Accleration Transition				Transition to Vinas				
Г	Resisted Sizd Method				Sled Pushing				Slod Pulling			Slod Pulling				Sled Pulling				
(	Coaching Mochanics Emphasis and Cacing				Postare Tetal Body Lean "Struicht line from ankle to boal"				Lower Body Knee Drive "Puth the ground away biston like action"			Hip Extension "Belt backle to the day"				High Knee Snap "Snp over your knoe'cycle like action"				
	1	4	1											2			S PERF	ORMA OTE N	Witte	LAND



