



ALL ROADS LEAD TO ROME

But you need to be heading somewhat in the right direction

'Using performance monitoring to prepare 35 athletes to perform at one tournament'

Scott Logan



Programming for 20-35 athletes to all reach a similar physical peak over a two week period.

- BENCHMARKING what is great, good enough for now or what needs to be worked on!
- PRIORITISE the standards that need to be achieved
- PLAN a 'best case scenario' programme that has all athletes adapting at the same rate that will enhance or maintain all needed qualities over the period.
- MONITOR weekly / fortnightly (excluding fitness & upper) to track that maintenance or improvement is being achieved.
- MODIFY the plan to suit:
 - individuals exercise prescription and competency
 - Training age (although we are still preparing to perform over 1 x 2week block)
 - Rehab / injury
 - Highest 1-2 priority work ons for that athlete.



BENCHMARKING and PRIORITISING

Standards														
Priority			:	1		2	3	4	5	6			7	
Test		Nordic vs BW	Nordic Left vs BW	Right vs	II)iff Leff	Test	10m Speed	GPS Fastest Speed	Squat Predict ed 1RM	v at	Jump Velocit y at BW		Bench Press reps at BW	Pull Up Max Weight
ELITE (for hockey)		BW+	0-5%	% Differe	ence	285	-1.6 sec	>34.5 km/h	2 x BW	2.6+	3.5+	2.8	11+	1.5 x BW
Threshold		90- 100% BW	5-109	% Differ	ence	286- 300	1.6- 1.65se c	33- 34.5 km/h	1.7- 2xBW	2.3 - 2.6	3.2-3.5	2.2-2.8	6-10	1.3-1.5 BW
WORK ON!		-90% BW	+10% Difference			300+	+1.65 sec	-33 km/h	-1.7 BW	-2.4	3.2	-2.2	-6	-1.3 BW



THE PLAN

													Pe	erioc	lised	plar)															
Week #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
Week starts	2/01/2017	9/01/2017	16/01/2017	23/01/2017	30/01/2017	6/02/2017	13/02/2017	20/02/2017	27/02/2017	6/03/2017	13/03/2017	20/03/2017	27/03/2017	3/04/2017	10/04/2017	17/04/2017	24/04/2017	1/05/2017	8/05/2017	15/05/2017	22/05/2017	29/05/2017	5/06/2017	12/06/2017	19/06/2017	26/06/2017	3/07/2017	10/07/2017	17/07/2017	24/07/2017	31/07/2017	7/08/2017
Tournaments												me ries					A	SC				Car	np?				part 4th	W	/L3			
Phase	Sum Prog	nmer gram	S&C I	Pre-Se	ason	Block	Нос	key P	re-Sea	ison	Hod	ckey	Rest		Hocke urnam Prep	ent		key ches	Rest		Prep	Car	mp?		Prep :k #2	WA	/ SA rep		ckey tches		Rest	
Loading	\rightarrow	\rightarrow	7	7	И	7	7	Κ	7	И	7	7	\downarrow	7	И	7	\rightarrow	\rightarrow	\downarrow	7	7	\rightarrow		Я	7	7	\rightarrow	\rightarrow	\rightarrow	\rightarrow	\rightarrow	\downarrow
Hockey # PW	0	0	0	0	0	0	3	3	3	3	5	5	1	4	2	4	6	5	1	3	4	6	6	4	4	4	3	5	5	0	0	0
Ind Hockey # PW	0	0	0	2	2	2	1	1	1	1	0	0	0	1	1	1	0	0	0	1	1	0	0	1	1	2	2	0	0	0	0	0
Est. Hockey km/w							15	18	19.5	19.5	33.5	29.5	8	27	13	24	44	38	7	25	31	40	40	18	31	36	25	38	38			
Gym # PW	2	2	3	3	2	2	2	2	2	2	1	1	1	3	2	2	1	1	1	2	2	1	1	2	2	2	1	0	0	0	0	0
MB # PW	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0
Run # PW	4	4	4	4	4	4	2	2	2	2	0	0	1	1	3	1	0	0	1	1	1	0	0	1	1	1	0	0	0	0	0	0
Run km/w	20	20	16	18	20	20	9.5	10	8	8	0	0	4	6	13	4	0	0	4	4	4	0	0	3	4	3	0	0	0			
Est Total km/w	20	20	16	18	20	20	25	28	27.5	27.5	34	30	12	33	26	28	44	38	11	29	35	40	40	21	35	39	25	38	38			
Est. A/C load						1.08	1.19	1.21	1.10	1.02	1.15	1.00	0.47	1.22	1.03	1.13	1.34	1.12			1.24		1.11	0.62	1.03	1.16	0.83	1.10	1.08			
Conditioning Focus	Ва	ise	/۷02	2(80-9	Thresh 15% M rength	IAS) +			pacity (MAS)						ower (MAS)				Dev	elopn	Anaer nent (S)% MS	SAQ)	Ana		c Cap 5% MS		(80-					
Gym Focus		ntena ce	Co		ement ency E				e + De se (Ec	•		Progress Force, begin Power					Mair		orce, wer	Build	Maintain Force, Power											
Fitness Test							х							х					х													
Speed Monitoring							х	х	х	х				х	х	х			х				х	х	х	х	х					
Power Monitoring							х	Х	х	х				х	х	х			х				х	х	х	х	х					
Nordic Monitoring							х	Х	х	х				Х	х	х			Х				Х	Х	х	х	х					



PERFORMANCE MONITORING

- MONDAY
 - 50yard sprint max GPS speed (was 40m sprint test for two weeks)
- TUESDAY GYM
 - Nordic Hamstring Maximal Eccentric Strength Monitoring + Left/Right Difference at maximal bilateral load
 - Predicted 1RM box squat.
- THURSDAY GYM (2 of 3 every Thurs)
 - Pogo Jump RSI
 - BW CMJ peak velocity
 - BW +40kg CMJ peak velocity
- SATURDAY GYM
 - 10m Acceleration.
- MONTHLY
 - Fitness
 - Upper Body





				SNAPSH	OT OF BE	ST SCORE	S						
		:	1		2	3	4	5		6			7
BW	Nordic vs BW	Nordic Left vs BW	Nordic Right vs BW	Diff Left to right	Fitness Test (sec)	10m Speed	40m Speed	Squat Predicte d 1RM	Jump Velocity at 40kg	Jump Velocity at BW	Pogo Jump RSI	Bench Press reps at BW	Pull Up Max Weight
85	0.97	41.8	44.7	93.51	298	1.7	5.35	2.00	2.31			5	1.29
81	1.03	40.4	43.7	92.45	297	1.68	5.33	1.40	2.38			1	1.25
		0	0			0			0				
87	0.87	37.3	38.6	96.63	314	0		1.43	0			0	1.17
77	1.07	44.9	37.1	121.02	319	1.68		1.76	2.31			1	1.19
92						1.65	5.2	1.82	2.78				
84	1.02	43.3	42.6	101.64		1.68	5.19	1.50	2.59				
		0	0			0			0				
		0	0			0			0				
78	0.94	38.8	35.6	108.99	316	1.65	5.16	1.89	2.35			7	1.32
90	0.65	27	31.6	85.44		1.62		1.76	2.67			6	1.28
77	0.82	31.5	31.2	100.96	299	1.61	5.14	1.76	2.28			3	1.29
78		0	0			1.72	5.53	2.03	2.67			10	
		0	0			0			0				
73	0.83	31.6	29.1	108.59	299	1.55			0	3.57			
73	1.09	40.1	39.2	102.30	302	1.63	5.29	1.86	2.27			2	1.27
		0	0			0			0				
75	1.10	41.2	41.2	100.00	319	1.74	5.6	1.60	0			0	1.07
77	1.14	44.3	43.1	102.78	303	1.71	5.43	1.76	2.33			14	1.32
		0	0			0			0				
		0	0			0			0				
$ldsymbol{ld}}}}}}$		0	0			0			0				
igsqcup		0	0			0			0				
65	1.35	44.1	43.3	101.85	294	1.62	5.2	1.92	2.14			10	1.38
73	1.13	39.9	42.9	93.01	285	1.62	5.31	2.02	2.23			5	1.41
78	0.99	40	37.5	106.67	315	1.6	5.09	1.67	2.26	\Box		8	1.32
80	1.06	43	45.5	94.51	294	1.65	5.39	1.20	2.2			1	1.25
77	0.99	39.2	37.4	104.81	288	1.59	5.13	1.91	2.37			3	1.32
82	1.02	41.2	48.2	85.48	303	1.63	5.27	1.31	2.22				
85	1.13	44.2	52.5	84.19	311	1.58		1.86	2.55	\Box		11	1.41
81	0.84	32.6	36.1	90.30	294	1.64	5.29	1.82	2.63	oxdot		4	1.28
igsqcup		0	0			1.61			0				
		0	0			0			0				
66	0.73	25.2	23	109.57		0		1.63	2				
	0.99	38.65	39.24	99.27	302.78	1.64	5.29	1.72	2.38			5.69	1.28

Week 7 Physical Snapshot (first week of Weekly monitoring)

*have cropped out names

** top speed test changed after a
couple of weeks for ease of
monitoring

Note the bottom row averages for the team being very red.



MODIFYING

- PROGRAM DESIGN 3 x per week
 - Release and Mobilize (5-10mins)
 - Activate (5mins)
 - FULL SQUAD PLAN WORK (30mins)
 - E.g Strength session, power session, speed session. (Following the periodised plan)
 - IPP Work (20mins)
 - Focus on highest one-two priority RED scores throughout the week
 - E.g extra Hamstring work, speed/accel technique work, plyo or power work, fitness work, lower strength work.

PHYSICAL IMPROVEMENT FOCUS APRIL MAY 2017												
NAME	IMPROVEMENT FOCUS	IMPROVEMENT FOCUS 2	Others									
ATHLETE 1	10m Speed	Top speed	HS Flexibility									
ATHLETE 2	10m Speed	Top Speed	Hip and Groin									
ATHLETE 3	Hamstring Strength	10m Speed	Flexibility									
ATHLETE 4	10m Speed	Power										
ATHLETE 5	Fitness		Rehab									
ATHLETE 6	Hamstring Strength	Fitness	Core									
ATHLETE 7	Lower Strength	Power										
ATHLETE 8	Fitness	10m Speed										
ATHLETE 9	Hamstring Strength	Reactive Strength/Power										
ATHLETE 10	Hamstring Strength	Power										



	WL3 TEAM SNAPSHOT OF BEST SCORES													
Priority				1		2	3	4	5		6	7		
	BW	Nordic vs BW	Nordic Left	Nordic Right	Diff Left to right	Test	10m Speed	GPS Fastest Speed	Squat Predict ed 1RM	Jump Velocit y at 40kg	Jump Velocit y at BW	Pogo Jump RSI	Bench Press reps at BW	Pull Up Max Weight
Defender TA 1	81	1.19	48.7	50.5	96.4	294	1.63	33.4	2.11	2.38	3.19	2.35	2	1.34
Midfield TA 7		1.04	42.4	43.1	98.2	283	1.59	34.5	2.00	2.40	3.31	2.42	5	1.36
Defender TA 11	84	1.02	43.3	42.6	101.6	303	1.63	32.2	2.09	2.59	3.30	1.99	9	1.30
Striker TA 8	70	1.02	33.7	37.9	88.9	297	1.58	34.4	2.20	2.43	3.43	2.49	12	1.50
Striker TA 8	78	1.08	42.5	42.9	99.1	302	1.60	33.8	2.24	2.35	3.05	2.43	7	1.35
Goalie TA 3	90	0.99	45.4	44.6	101.8		1.62		2.01	2.67	3.58	2.08	6	1.31
Goalie TA 5	78						1.61		2.32	2.67	3.33	2.81	10	Х
Defender TA 14		1.04	42.4	43.1	98.2	298	1.66	32.9	1.80	2.21	3.21	2.21	5	1.30
Midfield TA 4	73	1.00	37.8	35.2	107.4	284	1.53	34.8	2.04	2.80	3.57	3.10	7	1.34
De/Mid TA 7	73	1.20	43.3	43.5	99.5	298	1.61	33.6	2.11	2.31	3.35	2.77	2	1.27
Striker TA 4		0.91	33.0	34.0	96.0	304	1.60	33.0	1.69	2.09	3.40	2.76	5	1.25
Mid/Striker TA 0.5	75	1.10	41.2	41.2	100.0	299	1.60	33.7	1.68	2.14	3.03	2.13	1	1.13
Mid/Def TA 3	77	1.17	45.1	45.2	99.8	293	1.68	32.0	2.00	2.33	2.98	2.16	15	1.42
Defender TA 6	80	0.84	40.0	33.0	117.0	298	1.56	34.8	2.00	2.66	3.67	2.82	16	1.50
Defender TA 8	80	1.10	42.0	42.1	99.9	304	1.67	32.6	1.75	2.28	3.21	2.11	4	1.28
Defender TA 3	90	1.08	46.7	46.0	101.0	285	1.60	33.1	2.40	2.33	3.37	2.32	7	1.33
Striker TA 1	77	1.06	42.0	41.5	101.2	284	1.58	33.9	2.22	2.37	3.42	2.57	4	1.39
Striker TA 2	85	1.14	48.1	52.5	91.6	299	1.53	34.5	2.07	2.55	3.46	2.64	12	1.50
Team Average	79.4	1.06	42.2	42.3	99.9	295	1.60	33.6	2.04	2.4	3.33	2.45	7.2	1.35



HIGH PERFORMANCE SPORT NEW ZEALAND

STRENGTH & CONDITIONING



THANK YOU FOR YOUR TIME