## **Developing your Training Plan**

#### Why plan your training?

- Need a plan to develop in the long term
- Know what you're doing and have a focus
- Track what you have done and your development over time

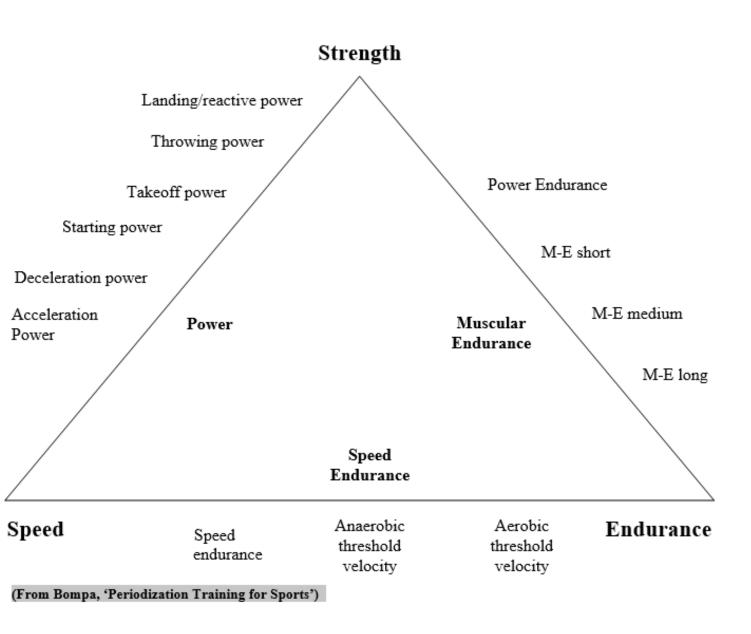
#### **Principles of Training**

- Specificity
- Overload and
- Adaption & Recovery
- Intensity, Volume and Frequency
- Progression
- Variety
- Progression
- Reversibility

### Things to consider

- Individual differences
- Maturation (rather than age)
- 'Training' age
- Other sports/activities (and time!)
- Non-linear development
- Long term plan
- Balance approach
- Location / facilities

# What sort of sport is Slalom?



#### Physical Demands of Slalom

- It's a Power-Endurance sport
- Strength converted into powerful movement
- Max speed
- Acceleration Speed / Power
- Power endurance to take powerful strokes through out the course
- Anaerobic fitness, lactate tolerance (energy systems)
- A strong core connects upper body to the boat via the lower body
- Also need flexibility good range of movement, and strength throughout those ranges

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PHV = Peak Height Velocity

FMS = Fundamental Movement Skills

SSS = Sport Specific Skills

UK Coaching video – <u>https://www.ukcoaching.org/resources/videos/youth-physical-development-model</u>

	YOUTH PHYSICAL DEVELOPMENT (Y				AL DE	EVELO	PME	NT (Y	PD) MODEL FOR MALES											
CHRONOLOGICAL AGE (YEARS)	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21+
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	SSS		sss SSS					SSS												
	Mobility				Mobility				Mobility											
	Agility				Agility				Agility					Agility						
PHYSICAL QUALITIES	S	peed		Spe			pee	ed			Speed					Speed				
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#### Periodisation of Training

- Breaking the plan and your development down into blocks eg:
  - Year plan (macrocycle)
  - 4 week plan (mesocycle
  - weekly plan (microcycle)
- Focus on particular areas of development what do we train when?
  - Strength?
  - Speed?
  - Endurance?
  - Technique?

#### 

Events	On-the-water focus	10%	20%	30%	40%	60% 50%	70%	80%	90%	100%	Week comm
SRS weekend camp HPP											17.11.14
											24.11.14
SRS weekend camp HPP											01.12.14
											08.12.14
SRS day at Bala and HPP 20th-21st											15.12.14
SRS day at HPP 22 <sup>nd</sup>											22.12.14
Bala day 2 <sup>nd</sup> HPP weekend											29.12.14
wcount											05.01.15
SRS lv weekend											12.01.15
											19.01.15
Stone mini											26.01.15
SRS lv weekend											02.02.15
Stone mini											09.02.15
SRS HPP residential											16.02.15
SRS HPP weekend											23.02.15
											02.03.15
Junior selection											09.03.15
Tully Prem											16.03.15
Shepperton div1											23.03.15
											30.03.15
Tully training and div1											06.04.15
SRS HPP 3 day camp											13.04.15
											20.04.15
SRS HPP week end											27.04.15
		10%	20%	30%	40%	60% 50%	70%	80%	90%	100%	

Will's Week Plan
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	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	<u>SATURDAY</u>	<u>SUNDAY</u>
MORNING			GYM SESSION			PADDLING SESSION	PADDLING SESSION
MID-DAY	REST				REST		
AFTERNOON	1			PADDLING SESSION (C1)		GYM SESSION	
EVENING	GYM SESSION	PADDLING SESSION	PADDLING SESSION	PADDLING SESSION			REST

#### Considerations:

- Build the plan around key events / races including tapering
- Include 2 x 24hr rest periods in the week to ensure recovery
- How much training? A 100% week should be hard! But there'll be some trial and error – and it'll change over time (adaption!)
- Sequencing training within the microcycle or session:
  - Work to develop skill should be done before other training ie when not fatigued (do gate work before anything else)
  - Work to develop max strength also should be done when not fatigued
  - Pure speed should be done before other physical training
  - Strength & Speed Endurance can be developed in a state of low fatigue
  - Flexibility training does appear to interfere with other training

#### **Recommended Volumes**



How many times the athlete is exposed to training/coaching and how this progressively loads in order to build capacity and increase tolerance is individually based and unique. Session duration and intensity should depend upon the athlete maintaining good technique and posture. Variety, fun and quality skill development are essential at the initial stages of the pathway. International exposure is an essential component of a developing athletes 'competitive diet'. As well as regular competition within the domestic system, travelling abroad to gain start line exposure to international peers or venue learning experience is a key part of progression. Ages are for guidance only.

	<14yrs	14-16yrs	15-18yrs
Sessions per week	6-9 (45-60 min duration, this includes other sports). Learning the fundamentals of the sport and how to train injury free.	8-12 (up to 60mins duration) Increasing volume and intensity.	9-12 (up to 90 mins duration).
Session Content	<ul> <li>Building up to 3- 5 on water</li> <li>1-2 on land</li> <li>2+ other sport sessions</li> </ul>	<ul> <li>5 - 7 on water (1-2 of which are boat based physical sessions)</li> <li>2-3 Gym/on land conditioning</li> <li>1 - 2 other sport session/s</li> </ul>	<ul> <li>5 – 8 White water sessions</li> <li>2 - 3 Boat Based Conditioning sessions</li> <li>3-4 Gym</li> <li>0 - 3 Land based conditioning dependent on time of year</li> <li>1 other sport session</li> </ul>
International Exposure	Roudnice, Solkan, Krakow. Building to competing	tiere la Besse, Saint Pierre de boeuf, Augsburg, g in ECA Junior Cup races or similar; targeting sites nior Championships in the future.	Competing at age range championships, ECA Junior Cups and open international events. Seeking exposure to future age related competition locations and training camps.
Notes	Learning about the sport not specialising. Focus on fundamental basics of technique, building white water confidence and experiences of different site. Land based work should focus on learning correct techniques for movement patterns to transfer to lifting in the future. Introduction into boat based conditioning as long as they hold posture. Learning to race.	If athletes can't access white water 5 sessions a week then adding in additional flat water, gym or alternative activity should be considered. At this level location can influence gated white water vs. moving water sessions. Building strength on land to transfer into boat (dependent on previous training history and biological age). A more consistent and regular approach to boat based conditioning.	<ul> <li>Winter period focusing on the advancement of technical and general physiological progression. In the summer a 'delivery focus' for selection race events. Physiological investment turns more towards paddling specific speed, and the maintenance of it over a sustained period.</li> <li>Gym based training moving towards loading and lifting to be able to produce more force in the boat.</li> <li>Other sports should be used to address any areas of development i.e. coordination, balance, flexibility.</li> </ul>

#### Types of sessions

- Off the water strength training (circuit training / HIIT Training / Gym sessions)
- Gate training ideally on rough white water, paddled fast / high intensity – lots of options
- Intervals different intervals will have different training effects:
  - 10sec / 50-60 rest x 10reps max speed
  - 5-8sec / 60 rest x 12reps- explosive acceleration
  - 30sec/30 rest x 8+reps speed/power endurance (peak lactate tolerance)
  - 20sec/10rest x 8+reps speed endurance / efficiency at top speed
  - 10 sec / 10 rest x 12reps increases power
     HIIT training
- Other sports / PE and other paddling