LONG-TERM BOXING DEVELOPMENT



ACTIVE START - Males and Females ages 0 - U6



At this stage, the focus should be on children enjoying the sport.

Physical activity is essential for the development of a healthy child, therefore, it is important to encourage basic movement skills, as these develop depending on the child's genetics, environment and activity experiences and become harder to learn

Health

Nutrition:

Starting in infancy, parents need to provide children with opportunities to participate in daily activities that promote movement. Building a well structured environment combining the four pillars of physical literacy (skiing, athletics, swimming and gymnastics) will enable the child to move effortlessly into the Fundamentals stage.

Although the sport of Boxing does not have a direct role during the Active Start stage, it is important it supports organizations that promote physical activity.

Physical

Fun. structured and unstructured activities are necessary to learn and promote physical literacy. These include:

• The ABC's of movement: (agility, balance and

speed Running

coordination)

 Jumping Throwing

Mental

Promote fun, discovery, participation and reinforce the individual efforts of the child

Mental capabilities: • Fun and enjoyment of the game Participation and sportsmanship

 Positive interactions with others Confidence and self-esteem

Implications for the coach:

 Promote participation and enjoyment of the game • Provide positive reinforcement for efforts

• Select activities and drills in which success is almost always guaranteed • Progress from simple activities to complex activities in a gradual fashion

• De-emphasize outcome and encourage fun

• Focus on participation and good spirit versus outcome

Recommendations For Training and Competition

Participate in as many physical activities and sports possible

• Provide organized physical activity for at least 30 minutes per day for toddlers and at least 60 minutes per day for preschoolers • Provide unstructured activity – active play – for at least 60 minutes per day, and up to several hours per day for toddlers and

preschoolers. Toddlers and preschoolers should not be sedentary for more than 60 minutes at a time, except while sleeping. • No formal competitive structure

• Encourage their child to maintain a healthy weight

by ensuring they are eating meals that are high in

• Allow their child to eat as needed, in order to

encourage the use of their natural ability to

Allow their child to eat small amounts on a more

nutritional content and low in fat

monitor food intake

Sleep as much as desired

frequent basis

Sleep:

FUNDAMENTALS - Males ages 6 – U9 Females ages 6 – U8



This stage is characterized by optimizing overall general athletic development. Improving basic movement abilities such as agility, balance, speed, and coordination and improving fundamental sport skills such as running, jumping, throwing, punching, and swimming are the primary focus. Fun is critical in all

aspects of training, as one of the primary objectives of this stage is to encourage participation in sport and physical activity, with the goal of creating life-long interest. In addition, children should be introduced to decision-making skills, as well as simple rules and ethics of sport.

Well-structured programs with proper progression in which are monitored regularly by trained educators, coaches and parents should be promoted.

At this stage, motor patterns become more refined and balance skills improve as the inner ear gradually matures. No gender differences

preferred and supportive physical activities should be provided at least four times a week. If a child has a favourite sport, participation up to twice per week in that activity is suggested so long as there is also participation in many other sports.

The awareness of as many sports as possible is key in order to promote a life-long love for sport and physical activity.

still be done through games and sport play. Opportunities for

Where: Elementary school physical education classes, boxing clubs, community programs and clubs

Health

Why: To introduce children to fundamental motor skills, including the basic skills of boxing

Who: Teachers, instructors or club coach

Physical

 Fun fitness activities to begin developing aerobic fitness, muscular strength/ endurance with own body weight, flexibility and

stability • The first "window" of speed training (accelerated adaptation to training) is from6-8 years in females

and 7-9 years in males. Emphasis should be on the development of physical literacy and the development of basic

movement skills: Running

 Jumping Striking Catching

Speed

 General motor abilities of: Agility

Coordination

Balance

Technical

are apparent and physical activity should

 Introduction to the three Fundamental Principles of Boxing: 1. Offense 2. Defence 3. Footwork

Introduction to Boxingspecific skills: • Introduce basic straight punches Introduce basic body position • Introduce basic block technique



Tactical

 Focus on fun games and the exploration of spatial awareness Festivals should be held at the end of the season or program to emphasize f un and participation

 Experience the outcomes of competition Promote uninhibited/ spontaneous play

against straight punches

Mental Promote:

competition Positive reinforcement of strengths Focus on effort-based goals versus outcome (winning)

 Basic self awareness of thinking and feeling states Basic imagery with little structure, in order to encourage creativity

 Sportsmanship and ethical play A "no excuse" atmosphere Some implications for the

coach: The coach serves as positive role model Teach athletes that mistakes

or poor performance are not "bad", they are simply feedback Focus on processes (efforts) verses on the outcome (winning) Start to develop basic self

 Introduction to Boxing etiquette, rules and the concept of fair play

Nutrition Experience the enjoyment of Parents should: • Ensure adequate nutrition Discourage over-eating

 Ensure optimize hydration Sleep as much as necessary

Strength and Flexibility Promote good movement pattern habits and proper

technique As sport-specific training increases, choose alternate activities that emphasize different movements to decrease risk of injury from muscle imbalance No maximal or near-maximal

> growth plates Equipment Use equipment to match physical size and skill of the

strength activities to preserve

Injury Prevention Teach body awareness

Recommendations For Training and Competition

• Weekly participation in 4-6 general sports and physical activity • Weekly participation in 1-2 boxing-specific sessions which should last between 45 – 60 minutes

• Competitions should be enjoyable events for 8-9 year olds, once they have established solid basic boxing skills. There should be little or no emphasis on winning. It should be based around multiple skill-experiences.

LEARN TO BOX - Building Technique - Males ages 9 – U12 Females ages 8 – U11



The "Learn to Box" phase is one of the most important periods for the development of young athletes as the optimal window of trainability for skill training in females is between 8-11 years and 9-12 years for boys. At this stage, children are developmentally ready to acquire the general sports skills that are the cornerstones of all blocking and body position should be further developed with more emphasis put on the execution of proper technique. However,

athletic development. Boxing fundamentals such as straight punches, specialization in one sport must be resisted at this stage, as it can be detrimental to later stages of skill development and the refinement of fundamental motor skills. Inter Club competitions are introduced for enjoyment, but are not the main focus. This stage is where the competitive spirit in athletes of the future is born.

Tactical

At the end of this stage, athletes will typically choose one of the two streams: elite development or recreational participation. It's is important to note that the technical, physical, mental and cognitive aspects of the program do not differ at this stage from one stream to the other. The difference is reflected in the volume of training. General talent identification begins during this stage.

Where: Elementary school physical education classes, boxing clubs, community programs and clubs

Why: To build on the fundamental skills of boxing and expand the athlete's exposure and love for the game.

Who: Teachers, instructors and club coach

Physical • Greater emphasis should be

placed on learning sportspecific movement through training. Strength training should utilize the athlete's body weight, stability balls and medicine balls. • Basic training concepts should

be introduced Early information about

nutrition and hydration should be provided

• The major skill learning window (the skill hungry years) is during this stage

• Development of skills – continued emphasis on

principles of Boxing and the expansion of these needs to • The development of basic boxing technical skills

uppercut punches combination

 Develop body position All skills to be trained in positions

Technical

refinement of the fundamental

 Athletes should start to acquire new boxing skills

The following Boxing-specific skills be introduced: Develop straight punches Introduction to hook and

 Introduction to straight punches • Introduction to straight punches counter punch technique

Develop blocking technique

against straight punches

Introduce blocking technique

against hook and uppercut

 Introduction to parry technique Emphasize technical perfection both stationary and dynamic

Mental

 Introduction to the Concepts of mental preparation knowledge of competition begin to be introduced. Rules of the game should Development of Boxing be expanded, as well as terminology the principles of fair play Introduction to tactics understood.

against different style of Basic mental skills are opponents Introduction to condition introduced: · Relaxation: deep breathing, sparring with set condition by the examiner ratio breathing

"Thinking" of how to get an advantage

 Goal-setting: long- and shortterm goals Focus strategies and thought stopping Imagery- to promote skill

development, control and confidence Self-awareness of self-talk and feeling states Confidence building, including the ability to

identify strengths Some implications for the coach:

 Introduce players to a structured mental training (MT) program, introducing the basic mental skills

Health

Activity:

Growth

• Balance one-sided skills with a variety of play activities with opposite movement patterns

• Period of rapid growth may begin for girls Nutrition

Ensure adequate nutrition

Discourage over-eating

 Ensure optimize hydration Strength and Flexibility Introduce plyometric activity through common games (i.e. hopscotch and jump rope)

 Introduce shoulder and torso exercises • Introduce free weight techniques, but discourage maximal or near-maximal strength activities to preserve growth

Injury Prevention:

rapid growth

• Increased risk of injury accompanies growth spurt as rapidly growing body Modify training programs (i.e. correct muscle flexibility and strength imbalance, decrease volume and

intensity of training) during periods of

Recommendations For Training and Competition

• Weekly participation in 3-4 general sport and physical activity sessions • Weekly participation in 2-3 boxing specific sessions which should last between 45 – 75 minutes • 2-4 club well structured competition per year The emphasis at this stage is on development and opportunities for learning and expression



Wear proper fitting shoes

TRAIN TO BOX - Building the engine - Males ages 12 - U16 Females ages 11 - U15



The main objective of this stage is to optimize fitness preparation and Boxing-specific skills. Training volume should remain high, while intensity increases with the importance of competition be emphasized. In many athletes this is also the time at which peak strength velocity and peak weight velocity coincide with the period of opportunity for greatest strength gain. This is why the emphasis should be on the development of individual strength, while minimizing weakness through modeling and nurturing physical, technical and tactical skills based around specific events. At this stage the possibility of pursuing a carrier in High-Performance Boxing can be introduced.

Where: School physical education classes, clubs and provincial programs, regional training centers.

Why: To develop a passion for Boxing and to pursue focused training. Athlete identification begins at this stage.

Who: Teachers, club coaches and provincial coaches

Technical Physical

• Develop aerobic endurance with the onset of the growth spurt. • Introduce speed & anaerobic

concepts into training towards the end of the stage. • The second speed window occurs at between the ages of 11-23 in females and 13-16 in

 Consolidate basic Boxing skills Body weight and core stability work should be expanded upon as well as the introduction of free weights. • The strength window for the use of free weights occurs immediately after PHV, or with

the onset of menarche for girls; and 12-18 month after PHV for boys. · Emphasize flexibility training. Expanded information is provided and injected throughout training in the areas of recovery and regeneration,

hydration and nutrition.

Pre- and —post competition

strategies should be developed. Multiple seasons occur with a built in period of rest between seasons to allow for adequate

• Improving the Skills – Introduction to Boxing's fundamental skills are progressively developed and winning and losing

situations

• Recognition of match

 Strengths and weaknesses are appropriate tactical and identified and addressed. strategic abilities against Mental skills (ie., focus and different style of opponents confidence) should be built into Work on consistency of match and competitions performance in a variety of

Boxing specific: situation and decision- Optimize straight punches making is fostered technique Emphasis on Boxing-specific skills (e.g., offensive and Developing hook and uppercut punches technique defensive, counter punches Introduce and develop straight

 Optimize straight punches Developing counter punch technique with straight punches Introduce and develop counter punch technique with straight

Develop Parry technique

Optimize body position

uppercut combination

punches combination with hook

Introduce and develop hook and

and uppercut

punches

 Optimize block technique against straight punches Developing block technique • Single or double periodization. against hook and uppercut

Tactical Mental

Athletes should learn to cope philosophy surrounding with challenges of competition through education and the integration of basic mental skills. Acquire and develop

Mental capacities: PMR Basic focus plans and

competition strategies Self-talk – aware of thoughts and have method for replacing unproductive self-dialogue Motivation – more advanced

goal-setting: use of SMARTER principle - Specific, Measureable, Achievable,

Realistic, Time-based, Evaluated and Recorded Confidence – highlighting

strengths and use of imagery • Start to use pre-competition planning strategies Improved self-awareness • Distraction control strategies

 Competitive attitude • Teamwork and communication • Sportsmanship and fair play

reinforced Growth

Health

Growth

 Most participants experience their major growth spurt during this stage.

Increased consumption normal

(average of 2,200 calories for females and 2,800 for males) • Sufficient balance of nutrient rich

foods, with attention given to

Optimize hydration

calcium and iron

• Sleep needs increase with rapid growth

Strength and Flexibility • Introduce free weight techniques, but

no maximal or near-maximal strength activities in order to preserve growth

• Flexibility should be emphasized during the growth spurt **Injury Prevention**

of rapid growth

 Introduce injury prevention programs for shoulder and low back because risk of repetitive use injury increases • Provide at least 6-8 weeks of preseason conditioning prior to intense

sport participation • Modify training programs (i.e., correct muscle flexibility and strength imbalance, decrease volume and intensity of training) during periods

Recommendations For Training and Competition

• Weekly participation in 3-4 general sport and physical activity sessions including to boxing specific conditioning i.e. ultra-short interval / circuit training, supervised free weight lifting • Weekly participation in 5-7 boxing specific sessions which should last between 45 -90 minutes • 4-8 per years Club events and provincial cadet tournament

TRAIN TO COMPETE - Potential Stage - Males ages 16 – U22 Females ages 15 – U22



The main objective of this stage is to optimize fitness preparation and Boxing-specific skills. Training volume remains high while intensity increases with the importance of competition. In many athletes, this is also the time at which peak strength velocity and peak weight velocity coincide with the period for the opportunity of greatest strength gain. As a result, the emphasis should be on developing individual strength and minimizing weakness through modeling and nurturing physical,

technical and tactical skills based around specific events. Where: Interschool competition, clubs, provincial programs, universities, National Training Centers and National Team

Why: Continue to monitor identified talent. Begin to prepare the elite athlete for high performance competition.

Who: Personal coaches, provincial coaches and national coaches

Physical Technical • All systems are fully trainable • Testing the Skills – development

the priorities of training emphases Aerobic and anaerobic endurance

 Speed development Boxing specific: Strength training Perfecting straight punches technique Footwork and agility Positional considerations for Optimizing hook and uppercut fitness and strength training

practices of recovery and regeneration and nutrition Injury care and prevention emphasized through a strong core and flexibility program

towards the end of the stage,

testing should determine

Refinement of routine

pre-and post-workout and

• Single, double or triple

periodization plans

competition

a variety of situations. Condition sparring is important with emphasis on using specific skills with the element of competition.

of consistency under pressure in

punches technique Optimizing combination punches technique Optimizing counter punch technique with straight punches

positioning in the ring. - Optimize tactics against different style of opponents - Encouragement of originality and innovation

Tactical

strategies)

and defence

competition (i.e. focus on the

ability to read the opponent's

- Transition between attack

 Optimizing counter punch technique with straight punches, hook and uppercut Developing hook and uppercut counter punch technique

Optimizing and perfecting the

Optimizing the parry technique

Perfecting the body position

block technique

Mental Decision-making in boxing Develop a competitive attitude

to manage anxiety and

perform consistently with

an emphasis on personal

Ability to manage activation/

and the mental skills needed

- Defence and offensive excellence. Mental capacities: Commitment to training at

high intensity

arousal level Goal-setting • Self-awareness- high level of awareness of factors that maximize and minimize

planning Critical evaluation of training and competition Competitors mindset – confident, focused and determined

performance

Knowledge and use of

• Developing Independence

Health

accountability for performance Growth • Some athletes may gain height until 20-21 years old

Introduce how to travel

Introduction to weight control

practices and the development of

individual strategies to achieve this.

 Maintain balance of nutrient rich foods, with special attention to calcium and iron • Ensure caloric intake meets needs of activity

Flexibility Ensure strength and flexibility meets the requirements of the

• Continue to decrease muscle

• Optimize hydration Strength and

strength and flexibility imbalances **Injury Prevention** • Continue specific injury prevention programs to decrease risk of

intense sport participation

any one group of tissues

Health

How to travel

right times

Emphasize the importance of:

Recovery and regeneration

Warm up and cool down

Optimal nutrition and hydration

Stretching properly and at the

Introduce cross-training activities

for 2-3 aerobic training sessions

per week to decrease overload to

Personal responsibility and involvement in decision repetitive use injury • Continue at least 6-8 weeks of Sport-life-balance skills preseason conditioning prior to

• Weekly participation in 5-6 fitness conditioning sessions which are boxing specific and 5-9 boxing specific sessions which should last between 60 – 90 minutes. It is recommended to have a minimum of 6 sessions for younger athletes and a maximum of 9 sessions for older, full times athletes.



Physical

Aerobic power

· Core strength/stability

Individual weakness

pushing the limits)

over-training

Physical

exercises

or pPilates).

Maintain aerobic fitness by

30 minutes each time

Maintain strength through

stretchingi.e. stretching, yoga

resistance conditioning

Maintain flexibility (–

walking or jogging at least 3-4

times a week for a minimum of

• Optimal functioning / Fine

tuning (tapering, peaking,

Recognizing and preventing

Recommendations For Training and Competition

• 8-12 per years provincial, national and international junior and senior

This is the final stage of athletic preparation in which athletes will begin the transition from the national level to the international level. Maturation is now complete and all the performance factors should now be established to optimize performance on the international circuit. The athlete should be exposed to international competition and special

consideration should be given to developing mental abilities necessary to deal with the unique demands of competing on the international stage. Emphasis is on specialization and performance enhancement.

Where: Boxing gym and National Training Centre Why: Maximize fitness preparation and sport-specific skills, as well as performance

Who: Personal coaches and national coaches

Tactical

• The testing of skills –Emphasis on consistency under pressure in a variety of situations. Condition sparring is important with emphasis on using specific skills within the

element of competition. Perfecting skills **Boxing-specific:** • Perfecting and maintain straight

Technical

punches technique Perfecting and maintain hook and uppercut punches technique Perfecting and maintain combination punches technique

• Perfecting and maintain straight punches counter punch technique Perfecting and maintain straight punches with hook and uppercut counter punch technique

· Perfecting and maintain straight

technique

technique

position

parry technique

hook and uppercut counter punch

Perfecting and maintain the block

• Perfecting and maintain straight the

Perfecting and maintain the body

similar to those experienced in international competition during training. International systems are learned and mastered Perfecting tactics against different styles of opponents Use of the video

• Further development of

contest strategies

Advanced tactics are

performed under a variety

of competitive conditions

Strong work ethic and mentally • Focused on the "big picture" Previously, all the training efforts have been focused on the "getting there". Now the emphasis becomes "staying Prepare for the unexpected

Mental

competitiveness

Independent

to improve

• Self-confidence, motivation and

• Willing to learn new ways of

Creative and innovative

doing things and always trying

Recommendations For Training and Competition

• Weekly participation in 4-6 fitness conditioning sessions which are boxing specific and 5-12 boxing specific sessions which should last between 60 – 120 minutes. • Peaking for major championships and selection events as necessary.

ACTIVE FOR LIFE - *Enriched for Life -* Enter at any age



Technical Perfecting existing skills and

learning new ones.

capacity through the volunteering of time, (i.e. as a coach, referee or management)e.g., coaching, referring and management. Provide mentorship and developmental opportunities forto young coaches and athletes Enabling Enable the development

Participating Participate in

community clubs

of sport

of the game in a non-playing

Tactical Exchange varied tactical knowledge for incorporation Engaging Engage in new aspects into game situations.

 Provide knowledge, ideas and experience to promote the Incorporate the experience for enjoyment and growth of the sport

Motivated Motivation to improve skills.

Mental

Who: Cclub coach

 Desire to learn and Develop and maintain social contact. Have fun.Promote enjoyment of the sport

Why: For the love and enjoyment of the game at any level.

Health

At this stage, the participant moves from competitive sport to life-long physical activity and

sport participation through age group competition or simply recreational enjoyment.

 At least 60 minutes of activity per day (moderate and vigorous)

• Return to a variety of activities

through an active lifestyle.

Overall maintenance of general health

Nutrition Caloric needs decrease

 Maintain a balanced diet, low in fats and, low in salt, and high in whole grains and complex carbohydrates • Ensure Maintain calcium levels are maintained

• Ensure adequate nutrition, but without avoid over-eating Hydration should be optimized