

Federation of Canadian Archers

Instructor Workbook

Instruction of Intermediate Archers





The National Coaching Certification Program is a collaborative program of the Government of Canada, provincial/territorial governments, national/provincial/territorial sport organizations, and the Coaching Association of Canada.

Partners in Coach Education



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2 Instructor Workbook

Printed in Canada.



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Dear Coach,

The Coaching Association of Canada is pleased to offer you an interactive Web site that enables you to check your accreditation online. Go to vvww.coach.ca where you can:

- track your progress through the NCCP;
- update your coaching profile;
- print out copies of your coaching card or a transcript of your coaching courses;
- visit the Coaching Tips and Tools section;
- and so much more!





1.0 Introduction to competency based coach education Introduce yourself	
Years involved in archery	
Involvement in coaching	
Why you are taking this workshop - your expectations	
with you are taking this workshop your expectations	
11 TI N. NGCD	
1.1 The New NCCP	
View the Overhead showing the new NCCP training model and discuss in group.	
1.2 Tuoining and Cautification	
1.2 Training and Certification The learning facilitator will show the OH and avalein how training leads to certification. In the	.:.
The learning facilitator will show the OH and explain how training leads to certification. In the	
context, we will be evaluating, "Providing support to athletes in training", "Planning a practic	
"Analyzing performance", and "Managing a program". "Make ethical decisions" will have be	en
evaluated with Instructor Beginners, and "Designing a sport program" will be trained only.	
14TH FOLG IT '' WILL	
1.3 The FCA Coach Training Model	
The learning facilitator will show the OH and explain how training leads to certification.	
1 ANGORI A DA D	
1.4 NCCP Instructor Pathway for Instructor of Intermediate Archers	
The learning facilitator will show the OH and explain how training leads to certification. The	
portfolio will also be outlined.	
4.5.77	
1.5 Why do you want to become an instructor at the Intermediate Instructor level?	

2.0 Support Athletes in Training

2.1 Facilities and safety

6

1 1 a	cincies and sarcty
	2.1. 1 Facility layout
	Draw your archery range showing set-up, shooting distances and safety items.

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Click to attach an image of your range set-up

2.1.2 Facility safety inspection

Spend a few minutes to look over the shooting range to check for safety.

Facility Inspection Form

Facility: Date:				
Inspected by:				
ltem	Adequate	Inadequite	Corrective	Measures or Observations
Stationary Equipment				
room security				
shooting line				
buttresses				
stands				
safety nets				
timing lights				
Team Equipment				
target faces				
Individual Equipment				
bows				
sights				
stabilizers				
arrows				
quivers				
arm guards				
finger tabs				
First-aid kit with procedures				
Others				

Corrections: add replace modify discard clean repair check

2.2 Equipment and Maintenance

Instructors will demonstrate how to adjust a compound bow, and how to adjust the stabilization of a bow.

2.3 Form Analysis

- 2.3.1 Instructors will demonstrate proper form, and the use of a mechanical release.
- 2.3.2 Select one of the shooters to fill out the following form on form analysis.

Analysis completed by:		
Position:	Date:	
Athlete:	Category:	
Age: Sex: Right Handed C Left Handed	Check (v) relevant items	
1. Stance	1. Nocking the Arrow	
Foot placement	directly at target	
straight stance	at ground	
oblique stance		
reverse oblique stance	3. Draw Hand	
feet apart (open)	String fingers/release placed on bow	
feet together (closed)	bow pointed directly at target	
feet parallel	bow pointed at ground	
Waight Distribution	bow pointed upwards	
Weight Distribution	bow pointed sideways	
even		
weight on toes	4. Bow Hand	
weight on heels	The archer uses a:	
weight on front foot	low wrist	
weight on rear foot	☐ high wrist	
Lean and Sway	medium or normal wrist	
straight posture	bow sling Type:	
leans toward target		
leans back	Draw Started	
no sway	directly at target	
forward sway	above target	
☐ backward sway	below target	
	bow moving up or down	

гге-ргам	/. Holu and Alm
pointed upwards	Bow Hand
pointed downwards	☐ relaxed
parallel	movement during draw and hold
above shoulders and parallel	Bow Hand Wrist
no pre-draw	wrist set central on handle
	back of hand straight
5. The Draw	back of hand cupped
Draw completed with bow pointed:	movement
directly at target	outside centre
above target	inside centre
below target	
bow moving up or down	Bow Hand Fingers
Use of klicker or draw check aid	relaxed and open
no klicker	forced open
smooth draw to klicker	holding bow lightly
stops at klicker	thumb relaxed
Dec. Health of a	movement
Draw Hand Action	gripping bow tightly
directly to anchor	thumb movement
low and raised to anchor	Head Position
one continuous movement	☐ head maintained initial position
draw made with stop	head moved after anchor
past face and forward	string moved to head
high and lowers to anchor	☐ head moved to string
6. Anchor	String Hand
centre of face	hook: ☐ deep ☐ middle ☐ finger tips
side of chin	inside centre
high anchor	changes during hold
floating anchor	finger pinch
solid anchor	hand turned out at bottom
Anchor Aids	release aid
peep sight	% weight on first finger
kisser button on teeth or lips	% weight on second finger
tab shelf	70 organ on second imger
☐ "Can't Pinch" tab	% weight on third finger
anchor to lips	
anchor to nose	

Draw Hand and Wrist	Release Actions
straight to knuckles	☐ head movement
bent out	bow arm dropped
bent in	eye movement
movement	none
Bow Arm Elbow	release aid surprise action
staight	release aid trigger effect
turned out	release aid finger movemet
rotated down	9. Follow Through
	Bow Arm Action After Release
☐ broken	bow move right
movement	bow moves left
hyper extended	bow arm drops
Bow Sholder	bow torque (on axis)
extended to target	body movement right after
pushed up to neck	body position held
pulled low	cody position neta
	10. Relax and Reflect
String Elbow	stops sequence
parallel with arrow	used optical check
above arrow	signs of emotion
below arrow	immediately prepares next shot
in line with centre of bow	_
outside of centre of bow	
_	
inside of centre of bow	
inside of centre of bow 8. Release	
8. Release	
8. Release	
8. Release active static	
8. Release active static dropped hand	
8. Release active static dropped hand pulled straight back	

10

2.3.3 Bow and arrow tuning

 One of your peers will demonstrate how to do the initial set-up of a bow. One of your peers will demonstrate how to paper tune a bow and arrows. One of your peers will demonstrate how to tune a bow using the bare shaft technique. Other tuning techniques?

3.0 Teaching and Learning

3.1 Analysis of a Instructing Situation

Watch the video clips. For each one, identify the situations, attitudes, and behaviors that you agree with and find appropriate, or that you disagree with and find inappropriate from a teaching point of view. Keep your comments on each clip separate by drawing a line after each clip.

Inappropriate - I do not agree

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3.2 Lea	rning
	List some factors that lead you to conclude that a particular coaching environment promotes learning by the athletes.
	I know that athletes are learning when
	M. J. C. W. and Changer and
	My definition of learning is
3.3 The	e Athlete in a Learning Situation
	3.3.1 Individual reflection: How I learn best
	What sources of information, situations, and experiences are most effective in promoting your own learning? In other words, how do you learn best, and what helps you most to learn new things?

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3.3.2 Learning Styles

Complete the following questionnaire designed to determine your preferred learning style and the sensory channel you perceive to be the most important for your learning.

Learning Style Checklist

Discover your preferred style of learning and self-expression.

This checklist assesses the strengths of your of your senses - auditory, visual and kinaesthetic. There are ten incomplete sentences and three choices for completing each sentence. You are asked to score the three choices for each sentence as they apply to you.

Use the rating sc	ale of: (3) points for the choice that applies most to you (2) points for your second choice (1) point to the answer that is least typical of you		
1. When I learn something new, I usually			
a. 🔲	want someone to explain it to me.		
b. 🗀	want to read about it in a book or magazine.		
c. 🗌	want to try it out. take notes or make a model of it.		
2. At a p	party, most of the time I like to		
a. 🔲	listen and talk to two or three people at once.		
b. 🗀	see how everyone looks and watch the people.		
c. 🗀	dance, play games or take part in some activities.		
3. If I w	ere helping with a musical show, I would most likely		
a. 🔲	write the music, sing the songs or play the accompaniment.		
b. 🗀	design the costumes, paint the scenery or work the lighting effects.		
c	make the costumes, build the sets or take an acting role.		
4. When	I am angry, my first reaction is to		
a. 🔲	tell people off, laugh, joke or talk it over with someone.		
b. 🗀	blame myself or someone else, daydream about taking revenge or keep it inside.		
c. 🗌	make a fist or tense my muscles, take it out on something else, hit or throw things.		
5. A hap	ppy event I would like to have is		
a. 🔲	hearing thunderous applause for my speech or music.		
b. 🗀	photographing the prized picture of a sensational newspaper story.		
c. 🗀	achieving the fame of being first in a physical activity such as a sports event		
6. I pref	er a teacher to		
a. 🔲	use the lecture method with informative explanations and discussions.		
b. 🗀	write on a chalk board, use visual aids and assign readings.		
c. 🗀	require posters, models or in-service practice and some activities in class.		

7. I know I talk with
a. different tones of voice.
b. my eyes and facial expressions.
c. my hands and gestures.
8. If I had to remember an event so that I could record it later, I would choose to
a. tell it aloud to someone else or hear an audio tape recording or a song about it
b. see pictures of it or read a description.
c. replay it in some practice rehearsal using movements such as dance, playacting of drill.
9. When cooking something new I like to
a. have someone tell me the directions - a friend or television show.
b. read the recipe and judge how it looks.
c. use many pots and dishes, stir often and taste-test.
10. In my free time, I like to
a. listen to the radio, talk on the telephone or attend a musical event.
b. go to the movies, watch television or read a magazine or book.
c. get some exercise, go for a walk, play games or make things.
Add up all your scores for your a. choices (Auditory)
b. choices (Visual)
c. choices (Kinaesthetic)

Look over your scores. The scores range should be from 10 to 30 and together will total 60.

Each of us learns through all three styles. A number of us have a preferred or dominant learning style. If there are four or more points between any of the scores you have a relative strength in that learning area. This means you learn more easily and express yourself more naturally in the area with the larger score.

There are, of course, no right or wrong choices. This checklist simply reveals the style of learning that you depend on and enjoy the most.



bow. How h	peers will be asked to describe the construction and the workings of a laminated as the instructor engaged you as a participant in this presentation? What props have used to enhance the presentation? Make notes so you can discuss this with the convour group.
	Jour Brown.
1	

3.4 Creating Favorable Conditions for Learning

3.4.1 Organization and Set Up

3.4.1.1 In each cartoon, identify aspects about the organization and setting-up of the activity that you feel needs improvement.





3.4.1.2 In small groups, discuss your answers with other instructors, and compare your observations with the characteristics of effective organization as presented in the Reference Material.

3.4.2 Explanation and Demonstration

p 20

3.4.2.1 In the next activity, you will have to explain and demonstrate a technical skill from your sport. You will be in a group of three: one instructor, who will explain and demonstrate a skill; one athlete and one observer, who will share their views on the instructor's performance. Each "instructor" will have about three minutes to explain and demonstrate. Following is a list to choose from:

3 minute Presentations

explain (and show) how to avoid string slap
explain (and show) how to correct a cupped string hand
explain (and show) how to correct an arrow falling off the rest
explain (and show) the difference between a recurve and compound anchor
explain (and show) how to correct plucking the string
explain (and show) how to fletch an arrow
explain (and show) how to make a center serving on a string
explain (and show) how to string a bow 3 different ways
explain (and show) how to check a bow and arrows for safety

Key Points in your Explanation/Demonstration

- For the purposes of this activity, we will assume that the organization and set up of the activity have been completed appropriately.
- Focus on the message and how to get your message across to the athlete(s).
- The observer should note his/her observations on the next page.

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Name of the instructor being observed:	
Appropriate - I agree	Inappropriate - I do not agree

3.4.2.2 My notes when I am in the role of observer of the instructor's explanation and demonstration.

3.4.2.3	The criteria used by my group to judge the effectiveness of a demonstration and explanation.
	An effective explanation
	An effective demonstration

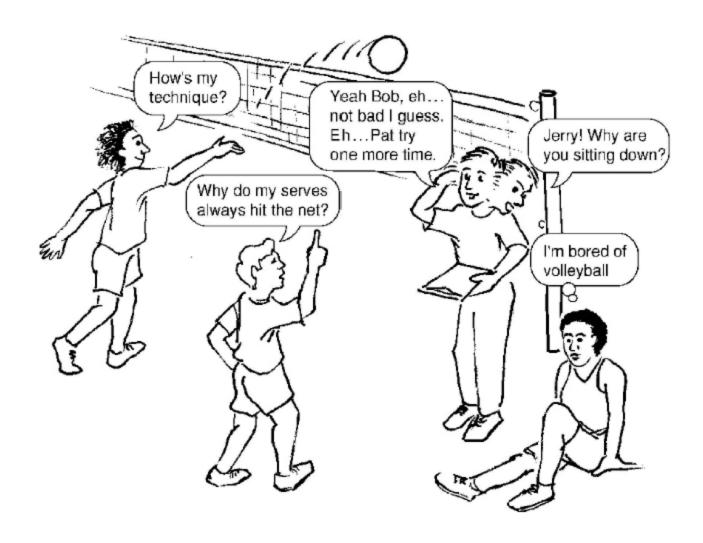
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3.4.2.4	Refer to the list below and add to your list of criteria in 2.4.2.3.
	The equipment was ready for the demonstration
	The organization of the athletes was appropriate
	You were able to understand the technique from the demonstration
	The instructor pointed out what should be avoided
	You were able to view the demonstration from different angles
	The athletes were involved in the instruction
	The instructor explained the reason for doing the activity
	The instructor asked for feedback on understanding the skill
	The technical elements of the demonstration were performed correctly
	The instructor gave an appropriate amount of information
	The instructor emphasized safety
	The instructor's voice was projected adequately to the group
3.4.2.5	Based on the discussions you just had regarding effective explanations and demonstrations, what changes would you make to the explanation and demonstration you did in 2.4.2.1 ?

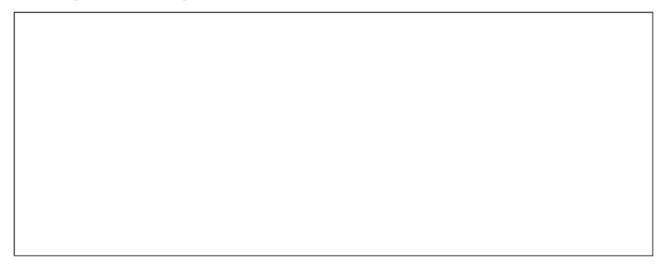
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3.4.3 **Observation and Feedback**

3.4.3.1 In the cartoon, identify aspects about observation and feedback to athletes you feel need improvement.



Aspects that need improvement





3.4.3.2 Pair up with another instructor, and review the observations you made in 3.4.3.1. After consulting the Reference Material, indicate what you would do if you were the instructor interacting with each of the three athletes: Bob, Pat and Jerry.

General Comments	
Bob	
Pat	
Jerry	
Jerry	

Subjective Comparative Analysis

As you observe the instructing session, identify the situations, attitudes, and behaviors that you agree with and find appropriate, or that you disagree with and find inappropriate from a teaching point of view.

Appropriate - I agree	Inappropriate - I do not agree

ORGANIZATION OF DEMONSTRATION

Instructor:	Observer:
The set up of the activity was:	
The set up of the activity was.	Quick and efficient
	Quick but not efficient
	☐ Neither quick nor efficient
The athletes began the activity:	— Oviable and compaths
	Quickly and correctly
	Quickly, but not correctly
	Correctly, but not quickly
	☐ Neither quickly nor correctly
During the activity:	
	Good use was made of the available equipment
	Good use was made of the available space
	Good use was made of the available time
	Groupings were adequate
	Athletes practiced in safe conditions
In the practice, the athletes are actively eng	aged:
	☐ Most of the time (50% or more)
	☐ Moderately (30-50%)
	Insufficiently (30% or less)
Comments:	

Demonstration

	Instructor: Observer:				
		Der	no 1	Dei	no 2
		Yes	No	Yes	No
1	Equipment was ready for the start of the demonstration				
2	Organization of the athletes was appropriate				
3	The technique or skill was adequately illustrated				
4	Attention of the athletes was directed to an external focus				
5	Instructor pointed out what should be avoided				
6	Demonstration was repeated from different angles				
7	Athlete's were involved in the demonstration in an appropriate way				
8	Instructor identified internal and external points of reference				
9	Instructor explained the reason for doing the activity/drill				
10	Instructor checked that the athletes understood the skill				
11	Technical elements of the demonstration were executed correctly				
12	Amount of information provided by the instructor was appropriate				
13	Instructor emphasized safety aspects when appropriate				
14	Instructor's voice was loud enough and projected well enough				
	Overall assessment:	y well d			

OBSERVATION OF THE INSTRUCTOR'S FEEDBACK

Instructor		Number of ath	nletes	Length of time of	of observatio	on		
Types	Det	finitions		Exa	mples			
Evaluative	The instructor assesses the quality of the performance the instructor makes some of assessment or judgment		• No, not lik • Not good		 That's fine! Smooth shot. Good job! Your stance was solid			
Prescriptive			 Shoot farther! (general) Adjust for the wind!		 Get your string arm higher! (specific) Move the sight out 2 clicks.			
Descriptive	Descriptive T describes to the has just describes to the she has just described to the description of the she has just described to the she has just describ	ne athlete what he/	• Your set u (general)	ip was inconsistent.	• Your star (specific		o open.	
Type of Feedback		Occurre	ence (Check	Mark)		Total	#/ minute	
Positive Evaluative								
Negative Evaluative								
General Prescriptive								
Specific Prescriptive								
General Descriptive								

Specific Descriptive

4.0	Designing a Basic Sport Program
4.1	Developing the Program
4.1.1	Your Athletes
	Describe your athletes:
	Gender: Male Female
	List the number of athletes in each age group
	Young children: 3-5 years old
	Children: 6-7 years old
	Children: 8-9 years old
	Pre puberty: 10-11 years old
	Puberty, stage 1: 12-15 years old
	Puberty, stage 2: 15-18 years old
	Young adults: 19-22 years old
	Adults: 22 years+
	Within each age group, there are important differences:
	• Height and weight ☐ Yes ☐ No
	• Skill level
	• Level of experience Yes No
	Years of training and competition in this sport, including this present year: average:
	Note: If you instruct athletes of various age groups, select one and refer to this group when you complete the exercises in this workbook.
1.2	Major Orientations of Your Program: Your Perception
	Indicate what you believe to be the major orientations that should influence what happens in your program. In other words, given the athletes you instruct, where should you put the most emphasis

4.

and what should you look to achieve when you implement your program?

For each of the categories following, begin by reading each of the statements. Then, choose the one that spontaneously comes to mind as being the most appropriate for you.

Only check one statement for each category.

Ge	eneral
(Have the participants experience new activities
(Improve the general abilities of the participants and their mastery of the activity
(Identify athletes with the potential to perform at a higher level
(Have athletes specialize in a particular discipline
Sk	ill Development
(Promote the acquisition of basic technical skills
(Improve basic technical skills already acquired
(Encourage the acquisition of new technical skills that are complex or more advanced
Ph	ysical Conditioning
(Improve the athletes' general physical condition
(Improve the athletes' sport specific physical condition
(Prepare the athletes to achieve particular levels of performance in sport-specific physical tests
Pe	rformance
(Give the athletes the opportunity to get experience by taking part in competitions
(Encourage the achievement of particular standards of performance
(Participate in competitions to win a medal or to win a championship
4.1.3	Length of Your Program
	Note: For this step, you will need the calendars at the end of the workbook and your calendar of competitions, if it is available.
4.1.3.1	Date of your first supervised contact with the athletes (i.e. the date of the first practice session in the program)?
	Date:
4.1.3.2	Date of your final supervised contact with the athletes (practice session or competition)?
	Date:
4.1.3.3	Number of weeks between these dates:

4.1.3.4	Breaks or interruptions in the program Number of weeks when there are no practices and/or competitions
	(i.e Christmas):
4.1.3.5	Possibility of starting earlier or finishing later
	☐ It is not possible for me to extend my program
	☐ I could extend my program without too much difficulty by:
	Starting # of weeks earlier Finishing # of weeks later
4.1.3.6	Actual length of my program, with or without an extension, taking into account all breaks and/or interruptions. (Note: This information must be the same as in 4.1.3.1,4.1.3.2, and 4.1.3.3, providing there have been no changes in 4.1.3.4 and 4.1.3.5)
	Date of Start: End
	Length, excluding breaks and/or interruptions, in weeks
4.1.4	Events in Your Program
	Note: To complete this step, use Worksheet 1 "Planning Calendar" at the end of this workbook. If your competition calendar is available, use this information as well.
4.1.4.1	State the dates of the start and end of your program. Use the information you put in question 4.1.3.6, and layout the top part of Worksheet 1 so that it starts with the month of your first practice naming the first Monday, and listing all the following months and Mondays in those months.
Month Day = Monday	Apri May June June July Augu Sept Sept 7 14 21 28 5 12 19 26 2 9 16 23 30 7 14 21 28 4 11 18 25 1

4.1.4.2 Now, indicate the important events in your program. In the planning calendar, start by selecting the row corresponding to the type of event. Make a circle around the most important events.

Note: A training camp is defined as a series of practice sessions usually held over 3-5 consecutive days.

In the row "Others", describe the types of events using the following code. If necessary, make up other codes to identify other events (see example below).

S = Selection camp

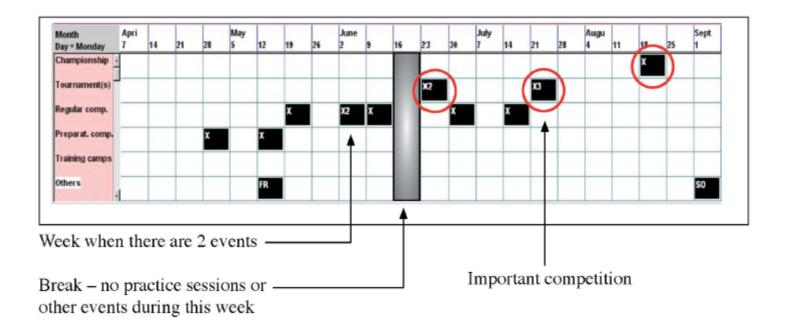
FR = Fund raiser

SO = Social

Note: (1) It is possible to have more than one type of event in the same week.

(2) If necessary, identify the weeks when there is a break or interruption in your program.

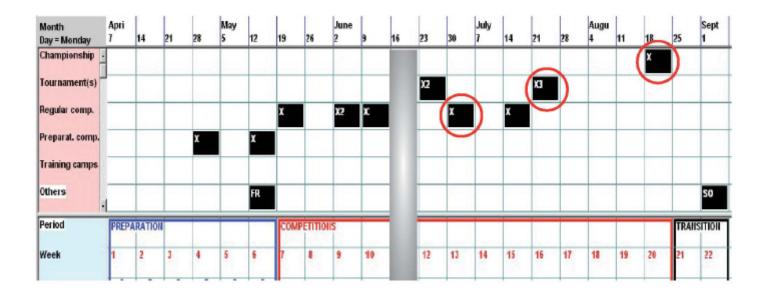
Your planning calendar should now look like the example below:



4.1.5 **Dividing Your Program into Periods**

- 4.1.5.1 In the planning calendar, describe the major periods in your program. The periods are defined as follows:
 - **Preparation Period:** The number of weeks between the first practice session and the first regular or official competition. Note: Preparatory or unofficial competitions at the beginning of the program should be considered pari of the Preparation Period.
 - **Competition Period:** The number of weeks between the first regular or official competition of your program and the last competition the athletes will take part in.
 - **Transition Period:** The number of weeks between the last competition the athletes will take part in and the last supervised contact you will have with them. Note: There may be no formal Transition Period in your program, for example, if there are no supervised practice sessions after the last competition.

Draw a box to show the beginning and end of each period, and then write Preparation, Competition, and Transition (if applicable) on the row marked Period on the planning calendar.



4.2	Opportunities For Ath	letic Development In	Your Program
T.	Opportunities I of 11th	icuc Developinciit in	I vui I i vei aiii

Refer to the information you have entered in Worksheet 1, and use the tables below to estimate the number of training and competition days of your program.

4.2.1 **Number of competition days**: Count all types of competition (preparatory, regular, championships, etc.) but do not include competition type exercises that might take place or be simulated during training.

Identify the number of weeks of your pro	Partial Total competitions	
1 day of competition	xl	=
2 days of competition	x2	=
3 days of competition	х3	=
# of Days of Competition	x	=
A: Number of days of competition in your progras "Partial Total"):	A =	

4.2.2 **Number of training days:** Count the number of days when there is a supervised practice session in your program.

Period	Length (weeks)	Training Days per Week, on average	Partial Total
Preparation		x	=
Competition		x	=
Transition		x	=
B: Approximate number of the column "Partial Total"):	of training days in your progr	ram (add in the number in	B =

4.2.3 Analysis

For each statement in the column "Key Elements of Your Program" in the table below, enter the data corresponding to your program in the appropriate column (A, B, or C). To complete this exercise, refer to the information in Worksheet 1 and the data obtained from questions 4.2.1 and 4.2.2.

		Column A	Column B	Column C
	Key Elements of Your Program	If your number is less than	If your number is between	If your number is
1	Length (weeks) of your program	17	18 and 33	34 or more
2	Length (weeks) of the Preparation Period	6	7 and 15	16 or more
3	Length (weeks) of the Competition Period	6	7 and 20	21 or more
4	Length (weeks) of the Transition Period	2	3 and 4	6 or more
5	Number of days when there are competitions (see 4.2.1)	5	6 and 20	21 or more
6	Average length of a practice session in the Preparation Period	60 minutes	>60 to 120 minutes	>120 minutes
7	Number of training days per week in the Preparation Period, on average (see 4.2.2)	2	2 and 4	5 or more
8	Average length of a practice session in the Competition Period	60 minutes	>60 to 120 minutes	>120 minutes
9	Number of training days per week in the Competition Period, on average (see 4.2.2)	2	2 and 4	5 or more
10	% of days devoted to competition in your program *	10%	10 to 35%	>35%
11	% of days devoted to practice and training in your program *	60%	60 to 80%	>80%

Note: In the above table, reference values are only general guidelines, and may vary according to the sport or the age of the athletes.

In #10 and 11, use values obtained in Sections 4.2.1 and 4.2.2, and proceed as follows:

#10: A divided by (A + B)

Ex.: (20 competition days) -;- (20 competition days + 30 training days) = 20-;- 50 = 2-;- 5 = 0.40 = 40%

#11: B divided by (A + B)

Ex. : (30 training days) -;- (20 competition days + 30 training days) = 30-;-50 = 3-;-5 = 0.60 = 60%

4.3 Critical Reflection: Issues And Solutions

In the table of Section 4.2.3, each column outlines certain aspects that may apply to your program. For example, if for your program the data concerning a particular statement has been entered in column:

- A: the number seems insufficient
- B: the number seems appropriate
- C: the number seems too high

Even if the values in Table 4.2.3 are only guidelines and may vary depending on the sport and the age of the athletes, they nevertheless show certain general tendencies. Take a few moments to reflect on those that seem to apply to your program.

4.3.1	Assessing	the	Situa	ıtion

That features adequate training and competition opportunities to promote the development my athletes Where there are significant gaps as far as opportunities for athletic development are concerned Because Compared with the athlete development model proposed by Balyi, the major orientations I havidentified for my program (question 4.1.2):	
Because Compared with the athlete development model proposed by Balyi, the major orientations I have	of
Compared with the athlete development model proposed by Balyi, the major orientations I have	
identified for my program (question 4.1.2).	e
☐ Seems appropriate	
Should be revised	
Because	

4.3.2 **Issues And Solutions:** Based on the preceding analysis, identify the major issues that seem to affect your program. Then, from the list of suggested solutions, indicate the ones that seem most realistic for you and that you could put into practice. If necessary, identify other possible solutions after you have had a chance to discuss it with other instructors.

Possible Issu	ies	Solutions to Consider
Associated w your Sport Pro		
Program is too allow any signif athletic develop your sport or d (see #11 in 4.2.3	short to ficant oment in iscipline	 Encourage the athletes to participate in other sports with similar demands, and in other sports that may help them develop other, types of skills. Enroll the athletes in sport schools or camps, so that they continue their development, and avoid losing too much sport fitness
Preparation Pe too short (see #	riod is	 Extend the Preparation Period, by beginning practices earlier before the first regular competitions. Use some of the early season competitions as a continuation of the Preparation Period, and therefore not too important as far as results are concerned
Not enough con (See #3, 5 and 1 4.2.3)	npetition 0 in	 Include simulated competition in your practice sessions Organize friendly or unofficial competitions
Practice session too short (see # in 4.2.3)		 Do the general warm-up before you go onto the field or into the facility Train the motor abilities (Agility, Coordination, Balance, etc.) or some physical abilities (flexibility, endurance, strength) outside practice sessions so that you can spend as much of the available time as possible on sport-specific activities. Create workstations or circuits that enable a larger number of athletes to be active at any given time.
Not enough pra preparation tim enable significa athletic develop the sport or dis- not enough trai opportunities b competitions (se #2,7,9, 11 in 4.2	ne to int oment in cipline; ining etween ee	 Extend the preparation period, i.e. begin practices earlier in the program. Use some of the early season competitions as a continuation of the Preparation Period and therefore not too important as far as results are concerned. Increase the number of practice sessions between competitions. Provide the athletes with programs relating to activities they can do on their own between practice sessions, in order to focus on important sport-specific elements during your practice sessions Don't allow all of the content of the practice sessions to be dictated by performance in the last competition or by preparation for the next competition; situate the content of practices in a longer-term perspective (several weeks, or the season).
Competition Petoo long; too make competition competitions in program; too make "important" competitions (so and 10 in 4.2.3)	the nany ee #3,5	 Discuss with other instructors and administrators in charge of the structure and seek to reduce the length of the program and the number of competitions. Consider not taking part in certain competitions when possible. Give rest to some athletes by withdrawing them from certain competitions or not registering them, and give other athletes opportunities to get competitive experience. Consider some early season competitions as part of the Preparation Period; so, don't give too much importance to the results of the early season competitions (for example, less points for an early season win up to a certain date). Prioritize the competitions and focus on those that lead to the "next stage" in the development process.
Practice session long (see #6 and 4.2.3)	d 8 in	 Reduce the length (but not the frequency) of practices if possible. If it is only possible to get into the facilities for long periods of time, include frequent breaks during practices and plan fun activities.
Practice session frequent (see #7 in 4.2.3)		 Alternate hard training days with easy days during the week, in order to avoid fatigue. Build in a rest day every 2-3 days of practice. Build in an easy session or a rest day the day after a competition, especially if the competition has been particularly demanding. Avoid planning a tough practice session the day before a competition.

4.4 Athletic Abilities to Prioritize and Training Objectives to Set at Different Points in the Program



Identify the athletic abilities that are moderately important, important or very important in 4.4.1 archery. Check off those that meet the criteria in column 1 of the table on the next page. If necessary, refer to page 45 of the Reference Material to find the definition of the athletic abilities, and to page 47 for their relative importance in archery.



Identify the athletic abilities that can be trained given the age of your athletes. Check those that meet this criterion in column 2 of the table on the following page. To help you do this, refer to the Reference Material. Then, draw a line through the athletic abilities that should not be trained given the age of your athletes, even if they are ranked moderately important or important in your sport.

4.4.3	Take a few moments to think about the "entry point" of the majority of the athletes in your program. From the options below, check all those that apply. During the 2-3 months before the start of your program, your athletes:
	don't do any particular type of training
	\square don't do any organized sport, but do a little bit of physical conditioning on an irregular basis
	don't do any organized sport, but do serious physical conditioning on a regular basis
	train and compete in another sport
	train and compete in a similar sport
	train and compete in the same sport

4.4.4 Now, refer only to the athletic abilities that are ranked very important, important, or moderately important in your sport, and that can be trained by athletes of the age you instruct.

In columns 3,4 and 5 of the table on the following page, indicate which training objectives you should try to achieve at the beginning, in the middle and at the end of your program, given the "entry point", of the majority of the athletes. Choose from the following options to indicate the objectives for various types of athletic abilities:

- Physical and Motor Abilities: **Development** (try to improve) or **Maintenance** (keep at same level).
- Skills and sport-specific technical/tactical elements: **Acquisition** (patterning movements), Consolidation (correct execution in variable conditions) or Refinement (minor improvements).

Section 4.4.1	4.4.2		Section 4.4.4	
Column 1	C2	Column 3	Column 4	Column 5
Very Important Important or Moderately Important		Objectives - Start of the Program	Objectives - Middle of the Program	Objectives - End of the Program
		Physical abilitie	s	
Maximal Speed Speed-Endurance Aerobic Endurance Aerobic Power Maximum Strength Speed-Strength Strength-Endurance Flexibility				
Flexibility		Matau abiliti a		
		Motor abilities		
Coordination Balance Agility Skills	and sr	oort-specific technica	l/tactical elements	
Basic Technique				
Game or Competition Plan Variations of Basic Techniques More Advanced Techniques Decision-Making				

In columns 3, 4 and 5, use the following options to define your objectives:

- Physical and Motor Abilities: Development (try to improve) or Maintenance (keep at same level)
- Skills and sport-specific technical/tactical elements: Acquisition (patterning movements), Consolidation (correct execution in variable conditions) or Refinement (minor improvements).

4.4.5 Taking Into Consideration The Entry Point Of Most Athletes Into Your Program

The facilitator has provided you with some information about sample sport programs, and has explained the code used to specify training objectives and priorities. When using the sample program pertaining to your own sport family, refer to the suggestions below to take into consideration the "entry point" of most of the athletes into your program.

If, during the last 2 or 3 months before the beginning of your program, your athletes:

- 1. Don't do any particular training: Follow the recommendations as they are.
- 2. Don't do any organized sport, but do some physical conditioning from time to time: Follow the recommendations as they are.
- 3. Don't do any organized sport, but do regular, serious physical conditioning: (1) For the physical and motor abilities, follow the priorities and objectives of weeks 6 to 8 right from the start; and (2) for skills and sport-specific technical/tactical elements, follow the recommendations as they are.
- 4. Train and compete in another sport: Same as #3.
- 5. Train and compete in a similar sport: Same as #3.
- 6. Train and compete in the same sport: Follow the priorities and objectives for the middle of the program right from the start, i.e. refer to the information for weeks 10 to 12.



4.4.6 **Critical Reflection** - Now that you have been exposed to a sample program outlining training priorities and objectives for archery, what major differences do you see between these guidelines and what you wrote down in the table of the previous page? If there are differences, what are they?

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On your action card, note the changes that you would make in the future with regard to training 4.4.7 priorities and objectives at the beginning, in the middle, and at the end of your program.

4.5 Link Between Program Orientations, Priorities and Training Objectives, and Content of Practice Sessions: Taking the Best Possible Decisions in your Context

The examples given for the different families of sports illustrate what the training priorities and objectives could be at different times during a 30 to 35 week sport program.

This information also shows the progression within a sport program over the course of a number of weeks. These guidelines may also help instructors to make certain decisions about the nature and the characteristics of the training activities that can be planned on a weekly and daily basis. In other words, they can help to determine the content of practice sessions.

To do so, however, additional reflection is required by the instructor. This is precisely the purpose this section, which describes a step-by-step process to link the major orientations of the program, from a seasonal point of view, to the specific activities instructors can plan for their practice sessions.

For some of these steps, you will have to refer to specific information in the Reference Material. Also, Worksheets 2 and 3 in this workbook have been designed to help you manage this information, and facilitate your decision-making.

Preliminary Steps



- 4.5.1 Follow the instructions of the facilitator; refer to page 62 for Worksheet 2, and refer to the sample program for archery provided in the Reference Material.
- 4.5.2 **Select one week** of this sample program (e.g., week number 1). Note: In the sample programs, each vertical line corresponds to one week.

4.5.3 Identifying The Athletic Abilities To Train In Priority During The Week

Identify the most important athletic abilities (maximum of 5) to train in this particular week by referring to the lines of different thicknesses. Then, enter this information in the first column of Worksheet 2.

4.5.4 Identifying The Training Objectives Associated With The Athletic Abilities Prioritized **During The Week**

Specify the objectives associated with each of the athletic abilities you have identified; to do so, refer to the color code. Enter this information in the second column of Worksheet 2.



Identifying Appropriate Types Of Exercises And Practice Conditions 4.5.5

Refer to the tables on pages 64-65 of the Reference Material. For each combination of athletic ability and objective, determine the types of exercises (do so for all athletic abilities) and the practice conditions (do so for sport-specific skills and technical/tactical elements only) that seem to be the most appropriate. Enter this information in the third column of Worksheet 2. This will provide you with the general characteristics the training activities should have.



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4.5.6 Identifying Appropriate Training Methods

Now refer to the Summary Table on page 46 of the Reference Material. This table describes specific methods for training athletic abilities. For each of the athletic abilities that you have identified, and bearing in mind the desired objective, determine the number of training sessions needed per week and the training time that should be planned within each practice. Enter this information in the fourth column of Worksheet 2.

Note: You may choose to spend more time than the "minimum recommended time" for training a particular athletic ability; however, you should not devote less time than recommended if you really want to achieve the desired training effect.

Managing Time

- 4.5.7 Add up all the training time in column 4 of Worksheet 2. This represents the amount of time you should devote to training the different athletic abilities for the week you have chosen if you were in an ideal instructing situation".
- 4.5.8 To determine if the total time obtained in 4.5.7 is realistic for your training situation, add up the number of practice sessions that you can have during the selected week, and the length of the main part of each session. This figure represents the actual time available to train the various athletic abilities during the week that you have chosen.
- 4.5.9 Determine the gap between the "time required" and the "time available" for training.

4.5.10 Deciding What To Do And Managing Priorities

If the gap in time between the "time required" and the "time available" for training is significant, consider the following questions when you come to decide which athletic abilities to prioritize:

- Can the athletes train certain athletic abilities individually, outside your practice sessions, or before or after the sessions? If yes, take note of this option, and devote a larger part of the available training time to the other athletic abilities. Among the athletic abilities that lend themselves well to individual training by the athletes outside the practice sessions are flexibility, aerobic endurance and strength endurance. However, you should ensure that the athletes do train as required, and that they use the right training methods.
- Is it possible to combine the training of certain athletic abilities in your sessions? If yes, take note of this option, and adapt your activities accordingly. In the Planning a practice module, you saw how to design activities that produce a training effect on more than one athletic ability, based on the specific characteristics they have.
- Which athletic abilities are the most important according to the sample program for my family of sports? If the previous options are not possible, or if the gap between the time required and the time available is too great, then focus only on the most important athletic abilities, and make sure to do a good job developing them. In this case, you must, however, appreciate that your athletes' progress may be impacted.



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4.5.11 Breaking Down Training Priorities And Content During The Week

Bearing in mind the training time available and the reflection you did in 5.9 and 5.10, layout the training priorities and content in the different practice sessions of the week. Use Worksheet 3 and, for each session, specify the following:

- The athletic abilities to be worked on
- The desired objectives
- The appropriate practice conditions and types of exercises
- The training protocols and the time devoted to training each ability

Once you have this information, you should be able to put together the main part of each of your practice sessions using the process presented in the Planning a practice module.

Worksheet 1: Program Planning Calendar

Season:

Month																													
Monday	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
Championship																													
Tournaments																													
Important competit.																													
Regular competition																													
Preparation - comp.																													
Training camps																													
Other activities																													
Period																													
Phase																													
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	2.5	26	27	28	29

Codes	for	other	activiti	ies in	the	training	chart:

Sample Planning Worksheet - Worksheet 2

Week # of the pr	ogram	p. 64-65 of ref. material	p. 64-65 of ref. material						
4.5.3 Athletic ability to prioritize p. 63 of ref. material	4.5.4 Training objectives p. 63 of ref. material	4.5.5 Appropriate types of exercises (all athletic abilities) and practice conditions (sport-specific elements only)	4.5.6 Protocols and time: number of sessions/week X time required in each session (respect the rec- ommended minimal time)						
1.		General exercises Specific exercises	sessions/week X						
		Competition exercises	minutes/session						
		Conditions:	hours min						
2.		General exercises	sessions/week X						
		Specific exercises Competition exercises	minutes/session						
		Conditions:	hours min						
3.		General exercises Specific exercises	sessions/week X						
		Competition exercises	minutes/session						
		Conditions:	hours min						
4.		General exercises Specific exercises	sessions/week X						
		Competition exercises	minutes/session						
		Conditions:	hours min						
5.		General exercises Specific exercises	sessions/week X						
		Competition exercises	minutes/session						
		Conditions:	hours min						
		4.5.7 Total Training hours required during the week (rounded off):							
Number of session	Number of sessions in the week X length of the main part of each of your sessions								
hours min	= hours ava	ailable for athletic developm	nent in the week.						
Gap between "hou	rs required for training	g" and "hours actually avail	able for training" =						

Questions to help me choose the training priorities given the limitation in my program:

- Can athletes train certain athletic abilities on their own, outside practices I lead?
- What are the most important athletic abilities in my sport?
- Can the training of some athletic abilities be combined during practice?

Under these conditions, the instructor might consider the following to take into account the gap between the "required training time" and the "actual training time available":

- Ask athletes to work out on their own to achieve the training objectives in the area of aerobic conditioning (e.g., individual running sessions the days when no practices are scheduled; running sessions after practices; etc.). This would take approximately 40 minutes off the 2-hour gap between the "required training time" and "actual training time available", so it would now be reduced to 1 hour and 20 minutes.
- Ask athletes to work out on their own to achieve the training objectives in the area of flexibility (e.g., individual stretching sessions the days when no practices are scheduled; stretching sessions after practices; etc.). This would take an additional 30 minutes off, so the gap to bridge between the "required training time" and "actual training time available" would now be reduced to approximately 50 minutes.

Assuming the previous options are possible, the instructor should now prioritize the most important athletic abilities identified in the sample program, e.g. (1) basic skills and (2) motor abilities.

To manage the 50-minute gap that still remains between the "required training time" and the "actual training time available", and to make optimal use of the 3 hours available for training while respecting the guidelines pertaining to (1) priorities and objectives in the first week of the program and (2) the characteristics activities must have to produce specific training effects, the instructor could design activities that:

- promote the acquisition of basic techniques while also featuring simple decision-making requirements.
- promote the acquisition of basic techniques while also having certain demands in the area of coordination, balance, and agility.

Practice Sessions - Worksheet 3

Practice Session	Athletic Ability	Objective	Practice Conditions Type of Exercises	Time
One				
-wo				Total min
				Total min
Γhree				
				Total min

Design a letter to the parents of your program outlining the following: • Objectives and philosophy of your program • Behavior and expectations of your athletes, parents and other instructors • Outline of your program including the schedule • Financial commitments for participants (equipment, clothing, travel, etc.) • Practice and competition schedule

4.6

4.6.1

Managing a sport program

Program administration

Worksheet 1: Program Planning Calendar

Season:

Month																													
Monday	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
Championship																													
Tournaments																													
Important competit.																													
Regular competition																													
Preparation - comp.																													
Training camps																													
Other activities																													
Period																													
Phase																													
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

Codes	for othe	r activit	ties in	the tra	aining	chart:

Sample Planning Worksheet - Worksheet 2

Week # of the pr	ogram	p. 64-65 of ref. material	p. 64-65 of ref. material
4.5.3 Athletic ability to prioritize p. 63 of ref. material	4.5.4 Training objectives p. 63 of ref. material	4.5.5 Appropriate types of exercises (all athletic abilities) and practice conditions (sport-specific elements only)	4.5.6 Protocols and time: number of sessions/week X time required in each session (respect the rec- ommended minimal time)
1.		General exercises Specific exercises	sessions/week X
		Competition exercises	minutes/session
		Conditions:	hours min
2.		General exercises	sessions/week X
		Specific exercises Competition exercises	minutes/session
		Conditions:	hours min
3.		General exercises Specific exercises	sessions/week X
		Competition exercises	minutes/session
		Conditions:	hours min
4.		General exercises Specific exercises	sessions/week X
		Competition exercises	minutes/session
		Conditions:	hours min
5.		General exercises Specific exercises	sessions/week X
		Competition exercises	minutes/session
		Conditions:	hours min
		4.5.7 Total Training hours required during the week (rounded off):	
Number of session	ns in the week X	(length of the main part of e	each of your sessions
hours min	= hours ava	ailable for athletic developm	ent in the week.
Gap between "hou	rs required for training	g" and "hours actually avail	able for training" =

Practice Sessions - Worksheet 3

Practice Session	Athletic Ability	Objective	Practice Conditions Type of Exercises	Time
One				
				Total min
wo				
				Tatal min
hree				Total min
				Total min



I intend to STOP
_ I intend to CONTINUE
I intend to START



I intend to STOP
I intend to CONTINUE
I intend to START



I intend to STOP
I intend to CONTINUE
I intend to START



I intend to STOP
_ I intend to CONTINUE
I intend to START