



COMMON TRAINING
GREEN STAR
INSTRUCTIONAL GUIDE



SECTION 4

EO C111.04 - PARTICIPATE IN A RECREATIONAL SUMMER BIATHLON ACTIVITY

Total Time:

180 min

PREPARATION

PRE-LESSON INSTRUCTIONS

Resources needed for the delivery of this lesson are listed in the lesson specification located in A-CR-CCP-701/PG-001, *Green Star Qualification Standard and Plan*, Chapter 4. Specific uses for said resources are identified throughout the instructional guide within the TP for which they are required.

Review the lesson content and become familiar with the material prior to delivering the lesson.

Ensure that all members involved in conducting this activity are well versed in the competition guidelines located at Attachment A.

Photocopy EO C111.02 Attachment A for TPs 3 and 5.

Photocopy Attachment B as required.

Ensure a first aid station is set up.

Set up a running route of 250–500 m on level terrain and a range IAW A-CR-CCP-177/PT-001 *Canadian Cadet Movement: Cadet Marksmanship Program Reference Manual*.

PRE-LESSON ASSIGNMENT

Nil.

APPROACH

An experiential approach was chosen for this lesson as it allows the cadets to acquire new knowledge and skills through a direct experience. The cadets experience summer biathlon and define that experience on a personal level. The cadets will be given the opportunity to reflect on and examine what they saw, felt and thought while participating in summer biathlon and consider how it relates to what they already learned and experienced as well as how it will relate to future experiences.

INTRODUCTION

REVIEW

Nil.

OBJECTIVES

By the end of this lesson the cadet shall have participated in a recreational summer biathlon activity.

IMPORTANCE

It is important for cadets to participate in a recreational summer biathlon activity because it requires personal discipline, develops marksmanship skills, and promotes physical fitness.

Teaching Point 1**Conduct the activity briefing.**

Time: 30 min

Method: Interactive Lecture



Based on the facilities, the cadet should be made aware of the start area, the course, the firing range, and the finish area.

COURSE LAYOUT

Each cadet will:

- run a loop of 250–500 m;
- fire five to eight pellets in an effort to activate all five targets on the (BART);
- run a loop of 250–500 m;
- fire five to eight pellets in an effort to activate all five targets on the BART;
- run a loop of 250–500 m; and
- finish the race.



The 250–500 m course should be clearly marked prior to the start of this lesson.

RULES AND REGULATIONS

Rules and regulations for the recreational summer biathlon activity include the following:

- Cadets must use the same firing lane for the duration of the activity.
- The run must be completed in the proper sequence and on the marked route.
- Rifles must be placed at the firing point by the range staff and will remain there for the duration of the activity.
- All firing will be done in the prone position.
- The rifle must be made safe upon completion of firing.
- An inoperable rifle will be replaced by the range staff, the target will be reset, and the cadet will fire five to eight shots with the new rifle.
- Safety infractions will result in time penalties.
- Missed targets will result in time penalties.

SCORING

The scoring of this biathlon activity will be based on time and penalties.

PENALTIES

Penalties will be added to the individual's time, to include:

- Each violation of the principles of fair play or good sportsmanship will result in a one-minute penalty, to include:
 - not giving way in an area of congestion;
 - pushing or shoving;
 - using profanity; and
 - interfering with other competitors.
- Each missed target will result in a one-minute penalty.
- Each safety infraction on the firing point will result in a one-minute penalty to include:
 - not keeping control of the cadet air rifle;
 - moving forward of the firing point; and
 - intentionally firing rounds at objects other than the BART.

OUT OF BOUNDS AREAS

Make cadets aware of all out of bounds areas and safety considerations depending on the training area.

CONFIRMATION OF TEACHING POINT 1

QUESTIONS:

- Q1. What are two rules / regulations for this biathlon activity?
- Q2. How will the recreational summer biathlon activity be scored?
- Q3. What is one very minor violation of the principles of fair play / good sportsmanship?

ANTICIPATED ANSWERS

- A1. Rules and regulations for the recreational summer biathlon activity include the following:
- Cadets must use the same firing lane for the duration of the activity.
 - The run must be completed in the proper sequence and on the marked route.
 - Rifles must be placed at the firing point by the range staff and will remain there for the duration of the activity.
 - All firing will be done in the prone position.
 - The cadet air rifle sling is the only firing aid that may be used.
 - The rifle must be made safe upon completion of firing.
 - An inoperable rifle will be replaced by the range staff, the target will be reset, and the cadet will fire five to eight shots with the new rifle.
 - Safety infractions will result in time penalties.
 - Missed targets will result in time penalties.
- A2. The activity will be scored based on time and penalties.

A3. A very minor violation of the principles of fair play / good sportsmanship include:

- not giving way in an area of congestion;
- pushing or shoving;
- using profanity; and
- interfering with other competitors.

Teaching Point 2

Conduct a warm-up session composed of light cardiovascular exercises.

Time: 10 min

Method: Practical Activity



The following information will be explained to the cadets during the warm-up activity.

PURPOSE OF A WARM-UP

A warm-up is composed of stretches and light cardiovascular exercises designed to:

- stretch the muscles;
- gradually increase respiratory action and heart rate;
- expand the muscles' capillaries to accommodate the increase in blood circulation which occurs during physical activity; and
- raise the muscle temperature to facilitate reactions in muscle tissue.

GUIDELINES FOR STRETCHING

The following guidelines should be followed while stretching to prepare for physical activity and to help prevent injury:

- Stretch all major muscle groups, including the back, chest, legs, and shoulders.
- Never bounce while stretching.
- Hold each stretch for 10–30 seconds to let the muscles release fully.
- Repeat each stretch two to three times.
- When holding a stretch, support the limb at the joint.
- Static stretching, which is stretching a muscle and holding it in position without discomfort for 10–30 seconds, is considered the safest method.
- Stretching helps to relax the muscles and improve flexibility, which is the range of motion in the joints.
- As a guide, allow 10 minutes to warm up for every hour of physical activity.



The stretches chosen should focus on the areas of the body that will be used the most during the activity.

ACTIVITY

OBJECTIVE

The objective of this warm-up activity is to stretch the muscles and perform light cardiovascular exercises to prepare the body for physical activity and to help prevent injuries.

RESOURCES

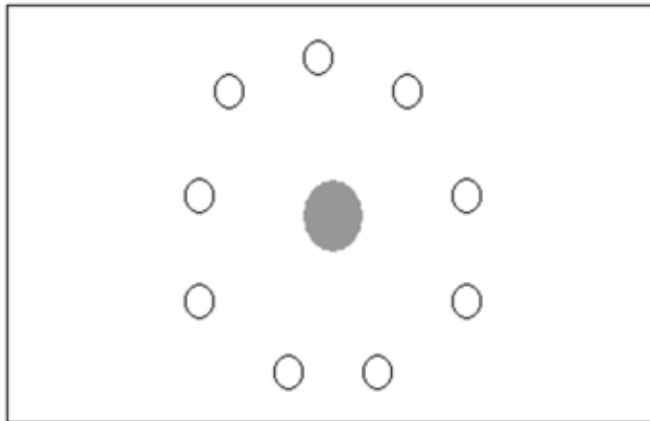
Nil.

ACTIVITY LAYOUT

Nil.

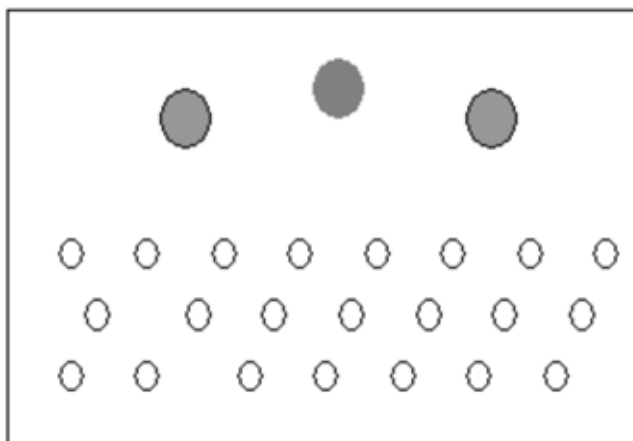
ACTIVITY INSTRUCTIONS

- Arrange the cadets in either a warm-up circle or in rows (as illustrated in Figures 1 and 2).



Note. Created by D Cdts 3, 2006, Ottawa, ON: Department of National Defence.

Figure 1 Instructor in the Centre of a Warm-Up Circle



Note. Created by D Cdts 3, 2006, Ottawa, ON: Department of National Defence.

Figure 2 Instructor at the Front with Two Assistant Instructors

- Demonstrate before having the cadets attempt each stretch / light cardiovascular exercise.
- Assistant instructors can help demonstrate the exercises and ensure the cadets are performing them correctly.
- Have cadets perform each stretch / light cardiovascular exercise.



Light cardiovascular activities should be done to warm up the muscles prior to stretching to avoid injury to or tearing of the muscles. For example, running on the spot for 30 seconds or performing jumping jacks should be performed prior to conducting the stretching activities located at EO C111.03 Attachment A.

SAFETY

- Ensure there are at least two arm lengths between the cadets so they can move freely.
- Ensure the cadets perform the stretches and light cardiovascular exercises in a safe manner, following the guidelines for stretching listed in this TP.

CONFIRMATION OF TEACHING POINT 2

The cadets' participation in the activity will serve as the confirmation of this TP.

Teaching Point 3

Conduct a recreational summer biathlon activity.

Time: 100 min

Method: Practical Activity

ACTIVITY

OBJECTIVE

The objective of this activity is for cadets to participate in a recreational summer biathlon activity.

RESOURCES

Based on 20 cadets per group, the following resources are required per event:

- Cadet air rifles (5),
- Marksmanship mats (10),
- .177 air rifle pellets (a minimum of 700 pellets),
- Stop watches (5),
- BART and target frame (5),
- Safety glasses / goggles (8),
- Pens / pencils,
- Notice board,
- Biathlon score sheets located at Attachment B,
- Course control sheets located at Attachment B, and
- Range recording sheets located at Attachment B.

ACTIVITY LAYOUT

- Set up a running route of approximately 250–500 m on level terrain.
- Set up an air rifle range IAW Attachment A.
- Set up targets and target frames.
- Place two mats per firing lane.
- Place a cadet air rifle at each firing point.
- Place a pair of safety glasses / goggles at each firing point.

ACTIVITY INSTRUCTIONS

Activity instructions are located at Attachment A.

SAFETY

- Ensure all range safety procedures are followed.
- Ensure cadets drink plenty of water and apply sunscreen.
- Ensure the running route is clearly marked and crossing points are monitored anywhere a road may be crossed.
- Ensure a first aider is identified at the start of the activity and is available at all times.
- Ensure water is available for the cadets during and after the activity.

CONFIRMATION OF TEACHING POINT 3

The cadets' participation in the activity will serve as the confirmation of this TP.

Teaching Point 4**Conduct a cool-down session composed of light cardiovascular exercises.**

Time: 10 min

Method: Practical Activity



The following information will be explained to the cadets during the cool-down activity.

PURPOSE OF A COOL-DOWN

A cool-down is composed of stretches and light cardiovascular exercises designed to:

- allow the body time to slowly recover from physical activity and to help prevent injury;
- prepare the respiratory system to return to its normal state; and
- stretch the muscles to help relax and restore them to their resting length.



The stretches chosen should focus on the areas of the body that were used the most during the activity.

ACTIVITY**OBJECTIVE**

The objective of the cool-down is to stretch the muscles and perform light cardiovascular exercises that allow the body time to recover from physical activity, and to prevent injury.

RESOURCES

Area large enough for all cadets to conduct a cool-down activity.

ACTIVITY LAYOUT

Nil.

ACTIVITY INSTRUCTIONS

- Arrange the cadets in either a cool-down circle or in rows (as illustrated in Fig. 1 and 2 of TP 2).
- Demonstrate before having the cadets attempt each stretch / light cardiovascular exercise.
- Assistant instructors can help demonstrate the movements and ensure the cadets are performing them correctly.
- Have cadets perform each stretch / light cardiovascular exercise.



Sample stretches are located at EO C111.02 (Run Wind Sprints) Attachment A.

SAFETY

- Ensure there are at least two arm lengths between the cadets so they can move freely.
- Ensure the cadets perform the stretches and light cardiovascular exercises in a safe manner following the guidelines for stretching listed in TP 2.

CONFIRMATION OF TEACHING POINT 4

The cadets' participation in the activity will serve as the confirmation of this TP.

Teaching Point 5

Conduct a debriefing.

Time: 10 min

Method: Group Discussion



The point of the group discussion is to allow the cadets to share what they have learned from their experience.



TIPS FOR ANSWERING / FACILITATING DISCUSSION:

- Establish ground rules for discussion, eg, everyone should listen respectfully; don't interrupt; only one person speaks at a time; no one's ideas should be made fun of; you can disagree with ideas but not with the person; try to understand others as much as you hope they understand you; etc.
- Sit the group in a circle, making sure all cadets can be seen by everyone else.
- Ask questions that will provoke thought; in other words avoid questions with yes or no answers.
- Manage time by ensuring the cadets stay on topic.
- Listen and respond in a way that indicates you have heard and understood the cadet. This can be done by paraphrasing their ideas.
- Give the cadets time to respond to your questions.
- Ensure every cadet has an opportunity to participate. One option is to go around the group and have each cadet answer the question with a short answer. Cadets must also have the option to pass if they wish.
- Additional questions should be prepared ahead of time.

SUGGESTED QUESTIONS:

- Q1. What did you enjoy the most about the activity?
- Q2. What challenges did you encountered while participating in the activity?
- Q3. What have you learned about yourself by participating in the activity? About your marksmanship skills? About your physical fitness ability?

CONFIRMATION OF TEACHING POINT 5

The cadets' participation in the activity will serve as the confirmation of this TP.

END OF LESSON CONFIRMATION

The cadets' participation in a recreational summer biathlon activity will serve as the confirmation of this lesson.

CONCLUSION

HOMEWORK / READING / PRACTICE

Nil.

METHOD OF EVALUATION

Nil.

CLOSING STATEMENT

Recreational summer biathlon is an activity that requires personal discipline, develops marksmanship skills, and promotes physical fitness. Competitive biathlon opportunities are available at the local, regional, and national level.

INSTRUCTOR NOTES / REMARKS

Results should be posted for cadets to review. PO 111 is a complementary training activity. It is designed to provide an opportunity for the cadets to participate in a recreational summer biathlon activity.

EO C111.01 (Participate in a Biathlon Briefing), EO C111.02 (Run Wind Sprints), EO C111.03 (Simulate Firing the Cadet Air Rifle Following Physical Activity) shall be taught prior to instructing this lesson.

The start and finish should be located in the same area, close to the firing point

REFERENCES

A0-027 A-CR-CCP-177/PT-001 D Cdts 3. (2001). *Canadian cadet movement: cadet marksmanship program reference manual*. Ottawa, ON: Department of National Defence.

A0-032 Cadets Canada. (2002). *Biathlon competition rules and IBU / cadet disciplinary rules*. Ottawa, ON: Department of National Defence.

A0-036 Cadets Canada. (n.d.). *Canadian cadet movement: Biathlon championship series*. Ottawa, ON: Department of National Defence.

C0-002 ISBN 0-88962-630-8 LeBlanc, J. & Dickson, L. (1997). *Straight talk about children and sport: Advice for parents, coaches, and teachers*. Oakville, ON and Buffalo, NY: Mosaic Press.

C0-057 Martha Jefferson Hospital. (2001). *Warm-ups*. Retrieved October 26, 2006, from <http://www.marthajefferson.org/warmup.php>

C0-058 Webb Physiotherapists Inc. (n.d.). *Running exercises*. Retrieved October 26, 2006, from <http://www.physionline.co.za/conditions/article.asp?id=46>

C0-059 Webb Physiotherapists Inc. (n.d.). *Exercise programme for squash, tennis, softball, handball*. Retrieved October 25, 2006, from <http://www.physionline.co.za/conditions/article.asp?id=49>

C0-060 Impacto Protective Products Inc. (1998). *Exercises*. Retrieved October 25, 2006, from <http://www.2protect.com/work3b.htm>

C0-061 City of Saskatoon, Community Services Department. (2006). *Stretch your limits: A smart guide to stretching for fitness*. Retrieved October 26, 2006, from <http://www.in-motion.ca/walkingworkout/plan/flexibility/>

C0-089 ISBN 0-936070-22-6 Anderson, B. (2000). *Stretching: 20th anniversary* (Rev. ed.). Bolinas, CA: Shelter Publications, Inc.

C0-154 Hansen, B. (1999). *Moving on the spot: Fun and physical activity: A collection of 5 minute stretch and movement sessions*. Retrieved October 26, 2006, from <http://lin.ca/resource/html/dn3.htm#1>

GUIDELINES TO CONDUCT A RECREATIONAL SUMMER BIATHLON ACTIVITY

OBJECTIVES

The objectives of the recreational summer biathlon activity are:

- to practice and improve marksmanship skills;
- to improve the level of physical fitness; and
- to introduce cadets to the sport of summer biathlon.

COMPOSITION

Each Green Star cadet will enter as an individual.

FACILITIES

The facilities required to conduct a recreational summer biathlon activity are:

- a route, on level terrain, of approximately 250–500 m with the start and finish lines located close to the range. The route should be wide enough to accommodate a maximum of 10 cadets running at one time. When roads are to be crossed, they must be clearly marked and a central crossing point established with traffic control provided, and
- an air rifle range constructed IAW Part 1, Section 8 of A-CR-CCP-177/PT-001, with a minimum of one firing lane per cadet per group.

STAFFING

Numerous staff are required to conduct a recreational summer biathlon activity. These appointments may be filled by corps staff, and shall include:

- **Technical Delegate (TD).** Responsible for the overall conduct of the competition, including issuing penalties, and interpreting the rules.
- **Range Safety Officer (RSO).** Responsible for the overall conduct of the activities on the range.
- **Assistant RSO.** Responsible for targets, issuing ammunition, and assisting the RSO, as required.
- **Lane Scorekeeper.** Responsible for scoring targets and recording results on the range recording sheet (located at Attachment B).
- **Chief of Statistics.** Responsible for compiling all the event data (eg, range results, start / finish time, and any penalties assessed).
- **Runner.** Responsible for collecting the scoring sheets and delivering them to the chief of statistics.
- **Start and Finish Line Chief.** Responsible for starting the run and recording the finish times on the score sheet (located at Attachment B).
- **Course Control.** Responsible for recording each time the cadet runs a loop on the course control sheet (located at Attachment B).
- **First Aider.** Responsible for dealing with any injuries that may occur during the competition.

FORMAT

Team Captain's Meeting

All cadets will attend the team captain's meeting. This meeting includes all the essential information required by the cadets to participate in the recreational summer biathlon activity. The cadets are given:

- start times,
- range lane assignments,
- weather updates, and
- introductions of the competition staff.

The Running Loop

Each cadet will run three separate loops of 250–500 m. Each running loop will consist of:

- assembling for an individual start (cadets will begin at 10-second intervals for the first loop); and
- crossing the finish line.

The Range

Each cadet will fire five to eight pellets in an effort to activate all five targets on the BART. After each bout of firing, the appropriate lane scorer will record the cadet's results and reset the BART.

SEQUENCE

This recreational summer biathlon activity will be conducted in the following sequence:

1. running a loop of 250–500 m;
2. firing five to eight pellets at the BART;
3. running a loop of 250–500 m;
4. firing five to eight pellets at the BART;
5. running a third loop of 250–500 m; and
6. crossing the finish line.

EQUIPMENT

Based on 20 cadets per group, the equipment required to conduct the recreational summer biathlon activity shall include, but is not limited to the following:

- Cadet air rifles (5),
- Marksmanship mats (10),
- .177 air rifle pellets (a minimum of 700 pellets),
- Stop watches (5),
- BART and target frame (5),
- Safety glasses / goggles (8),
- Pens / pencils,
- Notice board,

- Biathlon score sheets located at Attachment B,
- Course control sheets located at Attachment B, and
- Range recording sheets located at Attachment B.

DRESS

Appropriate clothing according to the weather forecast.

RULES AND REGULATIONS

- Cadets must use the same firing lane for the duration of the activity.
- The run must be completed in the proper sequence and on the marked route.
- Rifles must be placed on the firing point by the range staff and will remain there for the duration of the activity.
- All firing will be done in the prone position.
- The rifle must be made safe upon completion of firing.
- An inoperable rifle will be replaced by the range staff, the target will be reset, and the cadet will fire five to eight shots with the new rifle.
- Safety infractions will result in time penalties.
- Missed targets will result in time penalties.

SCORING

Scoring will be completed as follows:

- **Time.** The cadet's final time is the time from the start to finish, plus any issued penalties.
- **Firing.** For each bout of firing, the number of missed targets will be recorded on the range recording sheet by the lane scorekeeper (located at Attachment B). For each missed target, a one-minute penalty will be added to the cadet's total time.

PENALTIES

Penalties will be added to the individual's time, to include:

- Each violation of the principles of fair play or good sportsmanship will result in a one-minute penalty, to include:
 - not giving way in an area of congestion;
 - pushing or shoving;
 - using profanity; and
 - interfering with other competitors.
- Each missed target will result in a one-minute penalty.
- A one-minute penalty will be issued for each safety infraction, to include:
 - not keeping control of the cadet air rifle;
 - moving forward of the firing point; and
 - intentionally firing rounds at objects other than the BART.

OUT OF BOUNDS AREA

Out of bounds areas are to be clearly identified prior to the start of the recreational summer biathlon activity.

NOTES

- Course control staff will record each time a cadet runs through a loop. See course control sheet located at Attachment B.
- The start and finish line chief will keep records for each cadet. When the sheet is full or nearly full the runner will take the sheet to the chief of statistics. See score sheet located at Attachment B.
- Bibs may be used to identify cadets, if available.

COURSE CONTROL SHEET

Cadet Name	Loop 1 Verification	Loop 2 Verification	Loop 3 Verification

Note. Created by D Cdts 3, 2006, Ottawa, ON: Department of National Defence.

Figure B-1 Course Control Sheet

SCORE SHEET

Cadet Name	Start Time	Loop One	Loop Two	Loop Three	End Time	Run / Safety Penalties	Firing Penalties	Total Time

NOTE:
The start and finish line chief is responsible for recording the run times and presenting the score sheet(s) to the scorekeeper.

RANGE RECORDING SHEET

Scorekeeper's Name: _____

Cadet Name:	Lane	Shots Fired	X = Miss	Misses	Comments / Penalties
		3 Spare	○ ○ ○ ○ ○		
Cadet Name:	Lane	Shots Fired	X = Miss	Misses	
		3 Spare	○ ○ ○ ○ ○		
Cadet Name:	Lane	Shots Fired	X = Miss	Misses	
		3 Spare	○ ○ ○ ○ ○		
Cadet Name:	Lane	Shots Fired	X = Miss	Misses	
		3 Spare	○ ○ ○ ○ ○		
Cadet Name:	Lane	Shots Fired	X = Miss	Misses	
		3 Spare	○ ○ ○ ○ ○		
Cadet Name:	Lane	Shots Fired	X = Miss	Misses	
		3 Spare	○ ○ ○ ○ ○		
Cadet Name:	Lane	Shots Fired	X = Miss	Misses	
		3 Spare	○ ○ ○ ○ ○		
Cadet Name:	Lane	Shots Fired	X = Miss	Misses	
		3 Spare	○ ○ ○ ○ ○		
Cadet Name:	Lane	Shots Fired	X = Miss	Misses	
		3 Spare	○ ○ ○ ○ ○		
Cadet Name:	Lane	Shots Fired	X = Miss	Misses	
		3 Spare	○ ○ ○ ○ ○		