

SECTION 11**PO 111 – PARTICIPATE IN RECREATIONAL SUMMER BIATHLON ACTIVITIES**

1. **Performance:** Participate in Recreational Summer Biathlon Activities
2. **Conditions:**
 - a. Given:
 - (1) Cadet air rifle,
 - (2) Cadet air rifle sling,
 - (3) Air rifle pellets,
 - (4) Biathlon air rifle target (BART),
 - (5) Target frame,
 - (6) Marksmanship mat,
 - (7) Safety glasses / goggles,
 - (8) Container to hold pellets,
 - (9) Supervision, and
 - (10) Assistance as required.
 - b. Denied: Nil.
 - c. Environmental:
 - (1) Air rifle range constructed IAW Part 1, Section 8 of A-CR-CCP-177/PPT-001, *Canadian Cadet Movement: Cadet Marksmanship Program Reference Manual*, and
 - (2) Running route of approximately 250–500 m on level terrain.
3. **Standard:** The cadet will participate in summer biathlon activities, to include:
 - a. running a loop of 250–500m;
 - b. firing five to eight pellets in an effort to activate all five targets on the BART;
 - c. running a loop of 250–500m;
 - d. firing five to eight pellets in an effort to activate all five targets on the BART;
 - e. running a loop of 250–500m; and
 - f. crossing the finish line.
4. **Remarks:**
 - a. Cadets must have completed PO 106 (Fire the Cadet Air Rifle) prior to participating in recreational summer biathlon activities.
 - b. EO C111.01 (Participate in a Biathlon Briefing), EO C111.02 (Run Wind Sprints), and EO C111.03 (Fire the Cadet Air Rifle Following Physical Activity) must be completed prior to EO C111.04 (Participate in a Recreational Summer Biathlon Activity).

- c. Assistance may be given to cadets who have difficulty pumping the cadet air rifle.
- d. All range activities must be conducted by a Range Safety Officer (RSO).

5. **Complementary Material:**

- a. PO 111 (Participate in Recreational Summer Biathlon Activities) is a complementary package designed to provide an opportunity for the cadet to participate in summer biathlon activities.
- b. Complementary training in PO 111 is limited to a total of nine periods, which may be conducted during sessions or on a supported day.

EO C111.01 – PARTICIPATE IN A BIATHLON BRIEFING

1. **Performance:** Participate in a Biathlon Briefing
2. **Conditions:**
 - a. Given:
 - (1) Supervision, and
 - (2) Assistance as required.
 - b. Denied: Nil.
 - c. Environmental: Classroom or training area large enough to accommodate the entire group.
3. **Standard:** The cadet shall participate in a biathlon briefing, to include:
 - a. an introduction to biathlon, and
 - b. an introduction to competitive events within the Canadian Cadet Movement (CCM).
4. **Teaching Points:**

TP	Description	Method	Time	Refs
TP1	Introduce biathlon, to include: <ol style="list-style-type: none"> a. the sport of biathlon, and b. the types of races. 	Interactive Lecture	10 min	A0-036 (pp. 4-3-7 to 4-3-16) A0-036
TP2	Describe competitive events in the CCM, to include: <ol style="list-style-type: none"> a. stage 1: local corps / squadron, b. stage 2: zone, c. stage 3: provincial / territorial, and d. stage 4: national. 	Interactive Lecture	15 min	A0-036 (pp. 4-2-1 to 4-3-6)

5. **Time:**
 - a. Introduction / Conclusion: 5 min
 - b. Interactive Lecture: 25 min
 - c. Total: 30 min
6. **Substantiation:** An interactive lecture was chosen for this lesson to introduce biathlon and provide an overview of the sport.
7. **References:**
 - a. A0-036 Cadets Canada. (n.d.). *Canadian cadet movement: Biathlon championship series*. Ottawa, ON: Department of National Defence.
 - b. C0-084 Biathlon Canada. (2003). *Biathlon Canada handbook*. Ottawa, ON: Biathlon Canada.

8. **Training Aids:** Presentation aids (eg, whiteboard / flip chart / OHP) appropriate for the classroom / training area.
9. **Learning Aids:** Nil.
10. **Test Details:** Nil.
11. **Remarks:** Nil.

EO C111.02 – RUN WIND SPRINTS

1. **Performance:** Run Wind Sprints
2. **Conditions:**
 - a. Given:
 - (1) Whistle,
 - (2) Supervision, and
 - (3) Assistance as required.
 - b. Denied: Nil.
 - c. Environmental: Training area large enough to conduct short wind sprints.
3. **Standard:** The cadet shall:
 - a. participate in a warm-up;
 - b. run wind sprints; and
 - c. participate in a cool-down.
4. **Teaching Points:**

TP	Description	Method	Time	Refs
TP1	Explain how to prepare for summer biathlon activities, to include: <ol style="list-style-type: none"> a. clothing, to include: <ol style="list-style-type: none"> (1) the layering system, and (2) appropriate footwear, b. hydration, and c. nutrition. 	Interactive Lecture	5 min	C0-078 C0-079
TP2	Describe running techniques, to include: <ol style="list-style-type: none"> a. pacing, b. posture / body alignment, and c. wind sprints. 	Interactive Lecture	5 min	C0-080
TP3	Conduct a warm-up session, composed of light cardiovascular exercises, meant to: <ol style="list-style-type: none"> a. stretch the muscles; b. gradually increase respiratory action and heart rate; c. expand the muscles' capillaries to accommodate the increase in blood circulation; and d. raise muscle temperature to facilitate reactions in muscle tissue. 	Practical Activity	5 min	C0-002 (pp. 109–113) C0-089

TP	Description	Method	Time	Refs
TP4	Supervise while the cadets run wind sprints.	Practical Activity	5 min	
TP5	Conduct a cool-down session, composed of light cardiovascular exercises, meant to: <ol style="list-style-type: none"> allow the body time to slowly recover from physical activity and to help prevent injury; prepare the respiratory and cardiovascular systems to return to their normal state; and stretch the muscles. 	Practical Activity	5 min	C0-002 (pp. 109–113) C0-089

5. **Time:**

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| a. Introduction / Conclusion: | 5 min |
| b. Interactive Lecture: | 10 min |
| c. Practical Activity: | 15 min |
| d. Total: | 30 min |

6. **Substantiation:**

- An interactive lecture was chosen for TPs 1 and 2 to introduce cadets to the methods of preparing for a biathlon activity and running techniques.
- A practical activity was chosen for TPs 3–5 as it is an interactive way to introduce the cadets to running skills in a safe and controlled environment. This activity contributes to the development of running skills and knowledge in a fun and challenging setting.

7. **References:**

- 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 16, 2006, from <http://www.marthajefferson.org/warmup.php>
- C0-058 Webb Physiotherapists Inc. (n.d.). *Running exercises*. Retrieved October 26, 2006 from <http://www.physioline.co.za/conditions/article.asp?id=46>
- C0-059 Webb Physiotherapists Inc. (n.d.). *Exercises programme for squash, tennis, softball, handball*. Retrieved October 25, 2006 from <http://www.physioline.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://in-motion.ca/walkingworkout/plan/flexibility/>
- C0-078 Mountain Equipment Co-op. (2007). *Clothing info: Layering your clothing*. Retrieved February 12, 2007, from http://www.mec.ca/Main/content_text.jsp?FOLDER%3C%Efolder_id=2534374302881786&CONTENT%3C%Ecnt_id=10134198673220739&bmUID=1176745629068

- h. C0-079 REI. (2007). *Outdoor fitness expert advice*. Retrieved February 12, 2007, from <http://www.rei.com/online/store/LearnShareArticlesList?categoryId=Crosstrain>
 - i. C0-080 Cool Running. (2007). *Fitness & performance*. Retrieved February 12, 2007, from http://www.coolrunning.com/engine/2/2_1index.shtml
 - j. C0-089 ISBN 0-936070-22-6 Anderson, B. (2000). *Stretching: 20th anniversary* (Rev. ed.). Bolinas, CA: Shelter Publications, Inc.
 - k. C0-100 ISBN 0-662-44467-1 Health Canada. (2007). *Canada's food guide*. Ottawa, ON: Her Majesty the Queen in Right of Canada.
 - l. C0-147 The HealthCentral Network. (2007). *MyDietExcercise.com: Winds sprint your way to fitness*. Retrieved April 17, 2007, from <http://www.healthcentral.com/diet-exercise/fitness-survival-guides-81076-137.html>
 - m. 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>
8. **Training Aids:**
- a. Tape measure,
 - b. Whistle,
 - c. Stopwatch,
 - d. Samples of appropriate clothing, and
 - e. Samples of appropriate hydration and nutrition choices.
9. **Learning Aids:** Nil.
10. **Test Details:** Nil.
11. **Remarks:** Pictures of the clothing, hydration, and nutrition choices may be used in place of the actual items, if these items are not available.

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EO C111.03 – SIMULATE FIRING THE CADET AIR RIFLE FOLLOWING PHYSICAL ACTIVITY

1. **Performance:** Simulate Firing the Cadet Air Rifle Following Physical Activity
2. **Conditions:**
 - a. Given:
 - (1) Cadet air rifle,
 - (2) Cadet air rifle sling,
 - (3) Biathlon air rifle target (BART),
 - (4) Target frame,
 - (5) Marksmanship mat,
 - (6) Safety glasses / goggles,
 - (7) Supervision, and
 - (8) Assistance as required.
 - b. Denied: Nil.
 - c. Environmental: Air rifle range constructed IAW Part 1, Section 8 of A-CR-CCP-177/PT-001.
3. **Standard:** The cadet shall simulate firing the cadet air rifle following physical activity.
4. **Teaching Points:**

TP	Description	Method	Time	Refs
TP1	Identify techniques to decrease heart rate prior to firing the cadet air rifle.	Interactive Lecture	5 min	C0-150 (p. 43)
TP2	Describe the Biathlon Air Rifle Target (BART).	Interactive Lecture	5 min	C0-151
TP3	Conduct a warm-up session composed of light cardiovascular exercises.	Practical Activity	5 min	C0-002 (pp. 109–113) C0-089
TP4	Conduct an activity where cadets will simulate firing the cadet air rifle following physical activity.	Practical Activity	5 min	
TP5	Conduct a cool-down session composed of light cardiovascular exercises.	Practical Activity	5 min	C0-002 (pp. 109–113) C0-089

5. **Time:**

a. Introduction / Conclusion:	5 min
b. Interactive Lecture:	10 min
c. Practical Activity:	15 min
d. Total:	30 min

6. **Substantiation:**

- a. An interactive lecture was chosen for TPs 1 and 2 to introduce techniques to decrease heart rate prior to firing the cadet air rifle at the BART.
- b. A practical activity was chosen for TPs 3–5 as it is an interactive way to allow the cadets to experience firing the cadet air rifle following physical activity in a safe and controlled environment.

7. **References:**

- a. 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.
- b. 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.
- c. C0-057 Martha Jefferson Hospital. (2001). *Warm-ups*. Retrieved October 26, 2006, from <http://www.marthajefferson.org/warmup.php>
- d. C0-058 Webb Physiotherapists Inc. (n.d.). *Running exercise*. Retrieved October 26, 2006 from <http://www.physioline.co.za/conditions/article.asp?id=46>
- e. C0-059 Webb Physiotherapists Inc. (n.d.). *Exercises programme for squash, tennis, softball, handball*. Retrieved October 25, 2006 from <http://www.physioline.co.za/conditions/article.asp?id=49>
- f. C0-060 Impacto Protective Products Inc. (1998). *Exercises*. Retrieved October 25, 2006, from <http://www.2protect.com/work3b.htm>
- g. 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/>
- h. C0-089 ISBN 0-936070-22-6 Anderson, B. (2000). *Stretching: 20th anniversary* (Rev. ed.). Bolinas, CA: Shelter Publications, Inc
- i. C0-150 ISBN 0-88011-463-0 Nideffer, R. PhD. (1992). *Psyched to win: How to master mental skills to improve your physical performance*. Champaign, IL: Leisure Press.
- j. C0-151 Devin Manufacturing Incorporated. (2005). *Biathlon style airgun target*. Retrieved February 15, 2007 from <http://www.devinmfg.com/targets1.html>
- k. 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#l1>

8. **Training Aids:**

- a. Biathlon air rifle target (BART), and
- b. Stopwatch.

9. **Learning Aids:**
 - a. Cadet air rifle,
 - b. Cadet air rifle sling,
 - c. Biathlon air rifle target (BART),
 - d. Target frame,
 - e. Marksmanship mat, and
 - f. Safety glasses / goggles.
10. **Test Details:** Nil.
11. **Remarks:** Cadets must have completed PO 106 (Fire the Cadet Air Rifle) prior to participating in this lesson.

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

1. **Performance:** Participate in a Recreational Summer Biathlon Activity
2. **Conditions:**
 - a. Given:
 - (1) Cadet air rifle,
 - (2) Cadet air rifle sling,
 - (3) Air rifle pellets,
 - (4) Biathlon air rifle target (BART),
 - (5) Target frame,
 - (6) Marksmanship mat,
 - (7) Safety glasses / goggles,
 - (8) Container to hold pellets,
 - (9) Supervision, and
 - (10) Assistance as required.
 - b. Denied: Nil.
 - c. Environmental:
 - (1) Air rifle range constructed IAW Part 1, Section 8 of A-CR-CCP-177/PT-001, and
 - (2) Running route of approximately 250–500 m on level terrain.
3. **Standard:** The cadet shall participate in a recreational summer biathlon activity, to include:
 - a. running a loop of 250–500 m;
 - b. firing five to eight pellets in an effort to activate all five targets of the BART;
 - c. running a loop of 250–500 m;
 - d. firing five to eight pellets in an effort to activate all five targets of the BART;
 - e. running a loop of 250–500 m; and
 - f. crossing the finish line.
4. **Teaching Points:**
 - a. Conduct the activity briefing, to include:
 - (1) course layout,
 - (2) rules and regulations,
 - (3) scoring,
 - (4) penalties, and
 - (5) out-of-bounds areas.

- b. Conduct a warm-up session, composed of light cardiovascular activities, meant to:
 - (1) stretch the muscles;
 - (2) gradually increase respiratory action and heart rate;
 - (3) expand the muscles' capillaries to accommodate the increase in blood circulation; and
 - (4) raise muscle temperature to facilitate reactions in muscle tissue.
- c. Conduct a recreational summer biathlon activity.
- d. Conduct a cool-down session, composed of light cardiovascular activities, meant to:
 - (1) allow the body time to slowly recover from physical activity and to help prevent injury;
 - (2) prepare the respiratory and cardiovascular systems to return to their normal state; and
 - (3) stretch the muscles.
- e. Conduct a debriefing to allow the cadets to share what they have learned from their experience.

5. **Time:**

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| a. Introduction / Conclusion: | 10 min |
| b. Experiential Learning: | 170 min |
| c. Total: | 180 min |

6. **Substantiation:** 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.

7. **References:**

- a. 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.
- b. A0-032 Cadets Canada. (2002). *Biathlon competition rules and IBU / cadet disciplinary rules*. Ottawa, ON: Department of National Defence.
- c. A0-036 Cadets Canada. (n.d.). *Canadian cadet movement: Biathlon championship series*. Ottawa, ON: Department of National Defence.
- d. 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.
- e. C0-057 Martha Jefferson Hospital. (2001). *Warm-ups*. Retrieved October 26, 2006, from <http://www.marthajefferson.org/warmup.php>
- f. C0-058 Webb Physiotherapists Inc. (n.d.). *Running exercises*. Retrieved October 26, 2006, from <http://www.physionline.co.za/conditions/article.asp?id=46>
- g. 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>

- h. C0-060 Impacto Protective Products Inc. (1998). *Exercises*. Retrieved October 25, 2006, from <http://www.2protect.com/work3b.htm>
 - i. 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/>
 - j. C0-089 ISBN 0-936070-22-6 Anderson, B. (2000). *Stretching: 20th anniversary (Rev. ed.)*. Bolinas, CA: Shelter Publications, Inc.
 - k. 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>
8. **Training Aids:**
- a. Local Range Standing Orders,
 - b. Biathlon score sheets,
 - c. Course control sheets,
 - d. Range recording sheets,
 - e. Notice board, and
 - f. Stop watches.
9. **Learning Aids:**
- a. Cadet air rifle,
 - b. Cadet air rifle sling,
 - c. Air rifle pellets,
 - d. Biathlon air rifle target (BART)
 - e. Target frame,
 - f. Marksmanship mat,
 - g. Safety glasses / goggles, and
 - h. Container to hold pellets.
10. **Test Details:** Nil.
11. **Remarks:**
- a. 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.
 - b. 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.
 - c. The start and finish should be located in the same area, close to the firing point.