ROYAL CANADIAN AIR CADETS

PROFICIENCY LEVEL ONE

INSTRUCTIONAL GUIDE

SECTION 4

EO M130.04 – WATCH AN *ON CANADIAN WINGS* SEGMENT

Total Time: 30 min

PREPARATION

PRE-LESSON INSTRUCTIONS

Resources needed for the delivery of this lesson are listed in the lesson specification located in A-CR-CCP-801/PG-001, *Proficiency Level One 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 this lesson.

Prepare a suitable classroom area with available media.

PRE-LESSON ASSIGNMENT

Nil.

APPROACH

An in-class activity was chosen as it is an interactive way to present the content.

INTRODUCTION

REVIEW

Nil.

OBJECTIVES

By the end of this lesson the cadet shall have watched an *On Canadian Wings* segment.

IMPORTANCE

Discovering Canadian aviation history will give cadets a better understanding of the current role of aviation in Canada. Knowledge gained in this lesson will assist in stimulating an interest in the RCAF.

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Teaching point 1 **Watch an *On Canadian Wings* segment.**

Time: 25 min Method: In-Class Activity

ACTIVITY

Time: 25 min

OBJECTIVE

The objective of this activity is to become familiar with Canadian aviation history through watching an episode of *On Canadian Wings*.

RESOURCES



Select one video segment. The video segments include the following information:

EPISODE: CANADA'S FIRST FLIGHT

The shaky flights of flying machines sow the seeds for military aviation. Soon hundreds of Canadian flying cadets are shown dashing around in their biplanes. Canada's first aircrews are on their way to war.

Length (00:13:26)

EPISODE: AERIAL WARFARE

Canadian aircrews serve in fighter squadrons at Dunkirk and go into action against German Zeppelins, seaplanes and U-boats. Canadian flying aces Major Billy Bishop, Major Raymond Collishaw and Major Billy Barker become household names.

Length (00:12:22)

EPISODE: THE BIRTH OF A NATIONAL AIR FORCE

With little fanfare, the RCAF comes into being on April 1, 1924. As war clouds loom over Europe, the new air force is on active service. The RCAF grows to the fourth largest air force of the allied nations.

Length (00:11:58)

EPISODE: THE AERODROME OF DEMOCRACY

Canadian squadrons see sustained combat in the Battle of Britain and help to keep the sea lanes from Canada to England open. RCAF schools across Canada train more than 150,000 Commonwealth air and groundcrews.

Length (00:12:48)

EPISODE: SOME OF THE FEW

Flying aces F/L Buzz Beurling, Wing Commander Johnnie Johnson and Flight Lt. D.E. Hornell are immortalized with a string of spectacular wartime successes.

Length (00:12:22)

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EPISODE: BOMBS OVER EUROPE

The famous No. 6 Bomber Group is formed as the bomber offensive heats up over Europe. Squadron Leader Ian Bazalgette and Pilot Officer Andrew Mynarski each earned a Victoria Crosses (VC).

Length (00:12:55)

EPISODE: FAST TIMES FOR THE GOLDEN JETS

Canadian aircrews are again involved in combat over Korea. The Golden Hawks formation flying team of F86 Sabres – the Spitfires of the jet age, dazzle audiences around the world.

Length (00:12:37)

EPISODE: A TIME OF TRANSITION

Canada develops the Avro Arrow – a supersonic jet fighter that could out fly anything in the world. The Diefenbaker government mysteriously cancels the project and destroys all drawing and prototypes.

Length (00:11:57)

EPISODE: THERE SHALL BE WINGS

Canada's air force support North Atlantic Treaty Organization (NATO) and United Nations (UN) operations in the Balkans, the Middle East, Africa, Central America and Haiti, and humanitarian relief worldwide.

Length (00:13:00)

ACTIVITY LAYOUT

Arrange the room to ensure all cadets are able to see and hear the video segment.

ACTIVITY INSTRUCTIONS

1. Introduce the video segment to be shown.
2. Show the complete video segment.
3. Following the segment, have the cadets answer questions specific to the chosen segment.

SAFETY

Nil.

INSTRUCTOR GUIDELINES

Choose one of the following sets of questions to pose, based on the segment selected.

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CONFIRMATION OF TEACHING POINT 1

SUGGESTED QUESTIONS:

Canada's First Flight

Q1. Who were the founding members of the Aerial Experimental Association?

Q2. What was the name of the aircraft they initially used?

Q3. In which year did the first aviation policy appear?

Q4. How many people were members of the Canadian aviation corps?

A1. Alexander Graham Bell, J.A.D. McCurdy, Casey Bothman.

A2. The Silver Dart.

A3. 1907.

A4. Three People.

Aerial Warfare

Q1. How long did the strategic bombing campaign last?

Q2. How many zeppelins were destroyed during World War 1 (WW 1)? How many by Canadians?

Q3. Who was Billy Bishop and what did he do?

A1. One Year.

A2. 12 destroyed, 6 of them by Canadians.

A3. Billy Bishop was one of the first Canadian aviation aces. He had 72 confirmed victories and was decorated with the Victoria Cross.

The Birth of a National Air Force

Q1. What major event occurred in 1920?

Q2. What was the goal of military aviation at that time?

Q3. Where was the largest pilot training camp situated?

Q4. In 1937 the RCAF was given a very precise mandate, what was that mandate?

A1. The CAF was dismantled.

A2. Cartography, medical evacuations, ice patrols, surveillance and fighting forest fires.

A3. Borden, Ontario.

A4. To defend Canadian airspace.

The Aerodrome of Democracy

Q1. What was Canada's role at the beginning of WW 2?

Q2. Most of the pilots were trained on which aircraft?

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Q3. How many Squadrons were initially based in Halifax?

Q4. How many U-boats did the RCAF sink?

A1. Canada was an immense centre of pilot training for the Commonwealth nations.

A2. Tiger Moth.

A3. Five.

A4. Twenty-seven.

Some of the Few

Q1. Name the ace of Canadian aces during WW II?

Q2. Which Canadian squadron was victorious over the most enemy aircraft in 1944 and how many aircraft did they shoot down?

Q3. Name the two new types of aircraft used by Canada as the end of the war approached.

A1. Buzz Beurling.

A2. 418 Sqn with 103 confirmed victories.

A3. Mustang, Typhoon, and Mosquito.

Bombs over Europe

Q1. What was the first Canadian bomber Squadron and when was it created?

Q2. Which bombers did Canadians use?

Q3. Who was the commander of the first all-Canadian Squadron in Great Britain?

A1. 405 Sqn was formed in April 1941.

A2. Wellington, Halifax, Lancaster, Liberator, and Mosquito.

A3. Johnny Fauquier.

Fast times for the Golden Jets

Q1. In 1948, Canada acquired numerous aircraft. What were they and how many were acquired?

Q2. Canada was divided, due to resources, into several search and rescue regions. How many regions and how many aircraft were assigned to this task?

Q3. What was the name of the aircraft and the training base used in the formation of the first military aviation demonstration team?

Q4. Canada began the construction of its own all-Canadian aircraft. What was its name?

A1. Eighty-five Vampires.

A2. Five regions and 34 aircraft.

A3. Blue Devils flew Vampires at St-Hubert, Quebec (QC).

A4. CF-100 Canuck.

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A Time of Transition

Q1. What aircraft was supposed to replace the CF-100?

Q2. Following the failure of the Avro Arrow, which aircraft did Canada buy?

Q3. What major event occurred in 1968?

Q4. New aircraft appeared during this period. Name at least 3 of them.

A1. The Avro Arrow.

A2. F-101 Voodoo.

A3. The unification of the three branches of the Canadian Forces.

A4. Caribou, Buffalo, Hercules, Tutor, Dassault Falcon, Sea King, and CF 5 Freedom Fighter.

There Shall be Wings

Q1. In which year was the aerial command group formed?

Q2. In which year did the first CF-18 (CF-188 Hornet) arrive in Canada?

Q3. How many Canadian CF-18s were sent to serve during the Gulf War?

A1. 1975.

A2. 1981.

A3. Twenty-four.

END OF LESSON CONFIRMATION

The cadet's participation in the activity will serve as the confirmation of this lesson.

CONCLUSION

HOMEWORK / READING / PRACTICE

Nil.

METHOD OF EVALUATION

Nil.

CLOSING STATEMENT

Discovering Canadian aviation history will give cadets a better understanding of the current role of aviation in Canada. Knowledge gained in this lesson will assist in stimulating an interest in the RCAF.

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INSTRUCTOR NOTES / REMARKS

The instructor shall choose only one segment to watch for the mandatory period.

The instructor may choose to view and discuss additional segments as part of complementary training, C130.03 (Watch an *On Canadian Wings* Segment).

REFERENCES

C3-039 Squires, C. (1999). *On Canadian wings* [Series]. Winnipeg, MB: PWGSC.

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