

2022 Academic Super Bowl
Senior Social Studies
Final Study Guide
Canada: Our Neighbor to the North



- I. Native Peoples & the Arrival of Europeans before 1600 - 15%
 - A. The Land
 - B. The Native Peoples before 1497
 - C. The Native Peoples and the Europeans

- II. French and English Colonization from 1600 to 1760 - 15%
 - A. New France
 - B. British Colonies
 - C. The British Conquest

- III. British North America from 1760 to 1840 - 10%
 - A. Settlement of British North America
 - B. Development of a Fragmented Colonial System

- IV. British North America from 1840 to 1900 - 10%
 - A. Consolidation of British North America
 - B. Creation of The Canadian Federation
 - C. Development of the Canadian Nation

- V. Modern Canada from 1900 to 1945 - 20%
 - A. Domestic Issues and World War I
 - B. Foreign Issues and World War II
 - C. Political Competition
 - D. Canadian Nationalism and the British Empire

- VI. Modern Canada from 1945 to 2011 - 29%
 - A. Post-War Affluence and the End of Affluence
 - B. Economic and Social Discontent
 - C. Regional Discontent and Separatism
 - D. Political Discontent and Competition
 - E. Canada as a “Middle Power” Living with the United States

- VII. Geography of Canada - just a general knowledge

See 2nd page for list of sources

Study Outlines are developed from ideas submitted by coaches and question writers.

Please email ideas for the 2023 contest, *The Age of Exploration: 1400-1650*, to Jill Slinker at jslinker@iasp.org

The Illustrated History of Canada Edited by Craig Brown
McGill-Queen's University Press, 2017
ISBN 978-0-7735-4089-7 (paper) ISBN 978-0-7735-8788-5 (ePDF)

Chapter 1. When Two Worlds Met by Arthur Ray

Chapter 2. Colonization and Conflict (1600-1760) by Christopher Moore

Chapter 3. On the Margins of Empire (1760-1840) By Graeme Wynn (excluding Pages 224 to 265)

Chapter 4. Between Three Oceans (1840-1900} by Peter Waite
(excluding Pages 292 to 307)

Chapter 5. The Triumph and Trials of Materialism (1900-1945) by Ramsey Cook (excluding Pages 423 to 427, 445 to 447, & 470 to 472)

Chapter 6. Strains of Affluence (1945-2011) by Desmond Morton

Any World or North American Atlas that includes locations listed in Geography of Canada by Don Hanlin

Supplemental Resources which may be helpful but are not official sources.

Preview of Canadian History by Don Hanlin

Reading Guide by Don Hanlin

List of Prime Ministers of Canada from Wikipedia

List of Canadian Federal General Elections from Wikipedia

Note that The Illustrated History of Canada is a survey written for Canadians who are familiar with Canadian geography and history. Americans may not know many terms and references in the book. The Geography of Canada and Preview of Canadian History as well as the Reading Guide will help students compensate for their lack of familiarity with Canada. While studying the text, referring to the Wikipedia lists of Prime Ministers of Canada and Canadian Federal General Elections will help students keep track of unfamiliar persons and political parties.

2022 Academic Super Bowl
Senior English
Study Guide
Canada: Our Neighbor to the North



- I. Novel - 35%
 - A. *Life of Pi* by Yann Martel

- II. Non-Fiction- 25%
 - A. *Never Cry Wolf* by Farley Mowat,
and commentary
 - 1. “The Mixed Legacy of *Never Cry Wolf*”
<https://wolf.org/wp-content/uploads/2013/12/fall2008.pdf>
 - 2. “*Never Cry Wolf: Science, Sentiment, and the Literary Rehabilitation of Canis Lupus*”
<https://wolfology1.tripod.com/id155.htm>

- III. Short Stories - 20%
 - A. “Borders” by Thomas King
<https://pennersf.files.wordpress.com/2010/10/borders.pdf>
 - B. “Aunt Philippa and the Men” by Lucy Maud Montgomery
<https://americanliterature.com/author/lucy-maud-montgomery/short-story/aunt-philippa-and-the-men>
 - C. “Enigma” by David Huebert
<https://www.cbc.ca/books/literaryprizes/enigma-by-david-huebert-1.4110765>

- IV. Poems
 - A. “Siren Song” by Margaret Atwood
<https://www.poetryfoundation.org/poetrymagazine/poems/32778/siren-song>
 - B. Literary allusion to mythological sirens:
<https://www.greekmythology.com/Myths/Creatures/Sirens/sirens.html>
 - C. “The Moment” by Margaret Atwood
<https://www.poemhunter.com/poem/the-moment/>
 - D. “The Animals in that Country” by Margaret Atwood
<https://www.poetryfoundation.org/poems/47791/the-animals-in-that-country>
 - E. “Bored” by Margaret Atwood
<https://www.poemhunter.com/poem/bored/>

Author Sites:

- https://en.wikipedia.org/wiki/Yann_Martel
- https://en.wikipedia.org/wiki/Farley_Mowat
- [https://en.wikipedia.org/wiki/Thomas_King_\(novelist\)](https://en.wikipedia.org/wiki/Thomas_King_(novelist))
- https://en.wikipedia.org/wiki/Lucy_Maud_Montgomery
- https://en.wikipedia.org/wiki/Margaret_Atwood

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2022 Academic Super Bowl
Senior Fine Arts
Study Guide
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- I. Music - 50%
- A. First Nations (9%)
1. Anishinaabe - "Bear Song"
 2. Inuksuk - "Drum Dance"
 3. Iroquois - "Rabbit Dance"
- B. Composers- 22%
1. Claude Champagne
 - a. *Danse villageoise*
 - b. *Symphonie gaspesienne*
 2. Barbara Pentland
 - a. *Symphony for 10 Parts*
 3. Harry Somers
 - a. *North Country*
 - b. *Louis Riel: "A Delicate Political Situation"*
 - c. *Louis Riel: "Kuyas"*
 4. John Weinzweig
 - a. *The Edge of the World*
 - b. *Red Ear of Corn Suite:*
 1. *Triumphal Dance*; 2. *Ceremonial Dance*; 3. *Barn Dance*
 5. James Healey Willan
 - a. *Pasacaglia and Fugue*
- C. Singers/Songwriters - 19%
1. Bryan Adams
 - a. "All for Love"
 - b. "Have You Ever Loved a Woman"
 2. Leonard Cohen
 - a. "Dance Me to the End of Love"
 - b. "Hallelujah"
 - c. "Bird on a Wire"
 - d. "Suzanne"
 3. Burton Cummings
 - a. "Stand Tall"
 - b. "These Eyes"
 4. Gordon Lightfoot
 - a. "Canadian Railroad Trilogy"
 - b. "The Wreck of the Edmund Fitzgerald"
 5. Sarah McLachlan
 - a. "Angel"
 - b. "I Will Remember You"
 6. Joni Mitchell
 - a. "Arielia"
 - b. "Big Yellow Taxi"
- continued on next page

II. Visual Arts - 50%

- A. Emily Carr**
- B. Lawren Harris**
- C. A. Y. Jackson**
- D. Arthur Lismer**
- E. Tom Thomson**
- F. Frederick Varley**

Text Resources:

Wikipedia

Canadian Encyclopedia

Willan's Introduction, Passacaglia and Fugue

Youtube Playlist

The Group of Seven and Tom Thomson, **David P. Silcox, Firefly Books 2006, 4th ed.**

Canadian Art from its Beginnings to 2000; **Anne Newlands, Firefly Books 2000**

2022 Academic Super Bowl
Senior Science
Final Study Guide
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- I. Chemistry - 33%
 - A. Gold
 1. Mining: History, Locations, Amounts
 2. Properties: Chemical, Physical
 - B. Diamonds
 1. Mining: History, Location, Amounts
 2. Properties: Chemical, Physical
 3. Crystal Structure
 - a. Unit Cell Properties
 1. Simple Cubic
 2. Face-centered Cubic
 3. Body-centered Cubic
 - b. Calculations for each cell given information regarding its characteristics
 1. Volume
 2. Edge length
 3. Radius of atom
- II. Physics - 33%
 - A. Hydroelectric power and its Distribution
 - B. Neutrinos and the Standard Model
- III. Biology and Environmental Science - 33%

(see additional Biology specific document for more detailed study guide info)

 - A. Climate (and Climate Change)
 1. Factors that determine climate
 2. Climate data
 3. Climate change over time
 - B. Glaciers and Glaciation
 1. Glacial formation and Glaciation
 2. Glacier features, structure and movement
 3. Current considerations regarding changes in glaciers and glaciation
 - C. Northern Biomes
 1. Artic
 2. Tundra
 3. Taiga/Boreal Forest
 4. Other adjacent biomes of Canada, the Pacific NW, and Alaska

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2022 Academic Super Bowl
Senior Math
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- I. Calculus - 20%
 - A. Limits - Concepts
 - 1. Definitions, Properties, and Theorems
 - 2. Determining limits of graphs
 - B. Limits - Computations
 - 1. Limits as x approaches infinity and x approaches c
 - 2. One-sided limits

- II. Algebra - 20%
 - A. Sequences and Series
 - 1. Arithmetic Sequences and their sums
 - 2. Geometric Sequences and their sums
 - 3. Infinite Geometric Sequences and Series
 - B. Complex Numbers
 - 1. Addition, Subtractions, Multiplication, Division, Modulus & Conjugate
 - 2. The Complex Plane - DeMoivre's Theorem: Powers and Roots of Complex Numbers

- III. Geometry - 20%
 - A. Quadrilaterals
 - 1. Definitions of all quadrilaterals: parallelogram, rhombus, rectangle, square, trapezoid, isosceles trapezoid, kite
 - 2. Properties and theorems of quadrilaterals
 - B. Coordinate Geometry
 - 1. Equations of parallel and perpendicular lines
 - 2. Distance between two parallel lines and between a line and a point

- IV. Matrices and Determinants - 16%
 - A. Basic Operations and their Properties
 - 1. Equality, scalar multiplication, addition and subtraction
 - 2. Transpose of a Matrix
 - B. Operations with Multiplication and their Properties
 - 1. Matrix Multiplication
 - 2. Identity Matrices and the Inverse of a Matrix
 - C. Determinants of a Matrix and their Properties

- V. Enrichment Topics - 24%
 - A. Three dimensional coordinate systems: Rectangular, cylindrical, and spherical
 - B. Four Famous Problems:
The Four Color Problem, The Konigsberg Bridge Problem, Fermat's Last Theorem, and The Impossible Constructions - trisect an angle, square the circle, double the cube

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