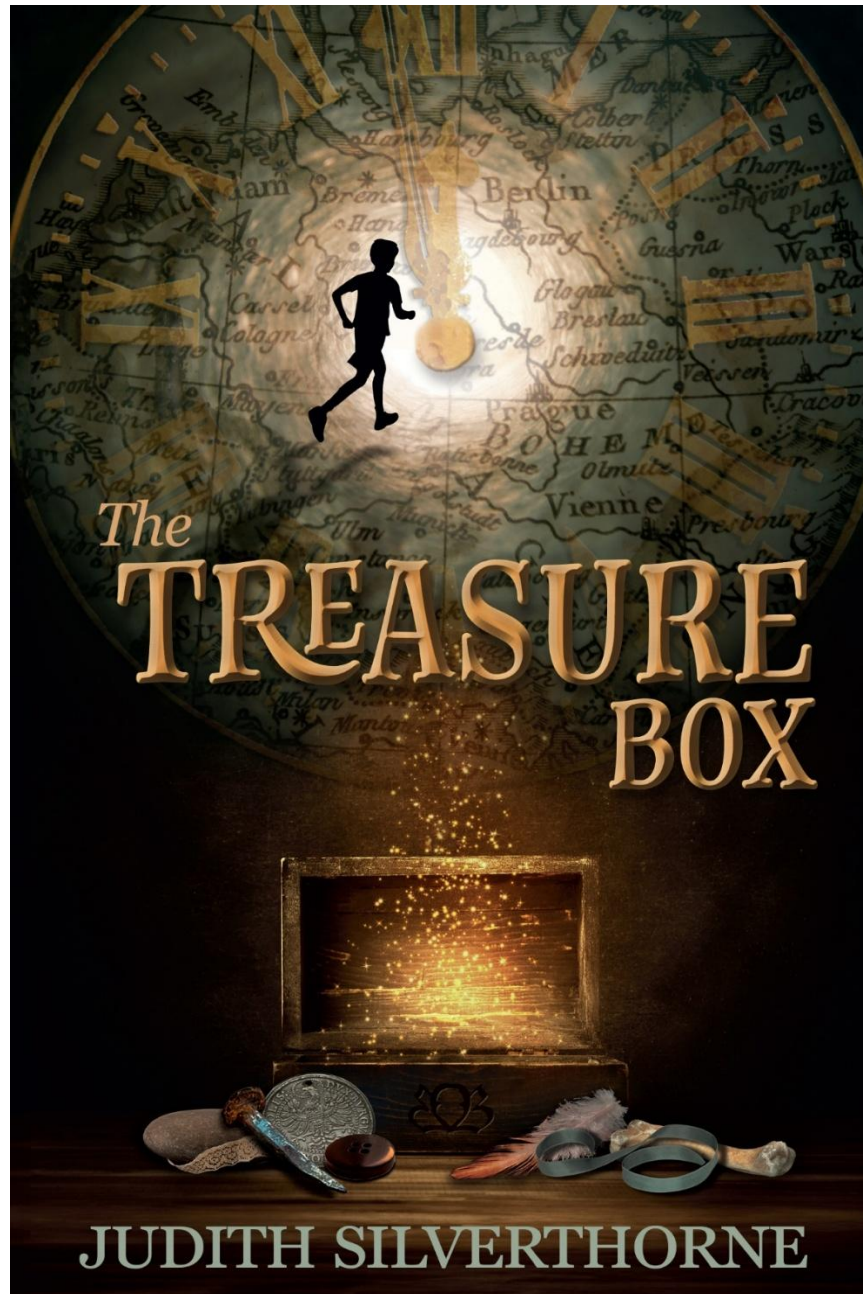


PRINCE EDWARD ISLAND CURRICULAR CONNECTIONS



The Treasure Box Curricular Connections

Kindergarten:

- **English Language Arts:** Develop listening, speaking, and early literacy skills through stories and play.
- **Mathematics:** Recognize patterns, count objects, and identify shapes.
- **Science:** Explore weather, animals, plants, and basic scientific observations.
- **Social Studies:** Understand family roles, traditions, and community helpers.
- **Health and Physical Education:** Develop coordination, movement skills, and healthy habits.

Grade 1:

- **English Language Arts:** Learn phonics, sight words, and basic sentence writing.
- **Mathematics:** Count to 100, add and subtract within 20, and recognize simple fractions.
- **Science:** Explore the five senses, seasonal changes, and living vs. non-living things.
- **Social Studies:** Study family structures, community jobs, and local geography.
- **Health and Physical Education:** Develop movement skills and healthy lifestyle awareness.

Grade 2:

- **English Language Arts:** Improve reading fluency, comprehension, and sentence structure.
- **Mathematics:** Work with two-digit numbers, measure objects, and introduce multiplication concepts.
- **Science:** Investigate plants and animals, simple machines, and weather patterns.
- **Social Studies:** Explore different cultures, mapping skills, and basic economic principles.

- **Health and Physical Education:** Understand teamwork, basic fitness, and food choices.

Grade 3:

- **English Language Arts:** Read longer texts, write structured paragraphs, and develop vocabulary.
- **Mathematics:** Introduce multiplication and division, fractions, and measurement units.
- **Science:** Study soil, life cycles, forces and motion, and states of matter.
- **Social Studies:** Learn about local government, Canadian symbols, and past/present comparisons.
- **Health and Physical Education:** Practice sportsmanship, movement strategies, and mental well-being.

Grade 4:

- **English Language Arts:** Analyze stories, improve sentence variety, and develop research skills.
- **Mathematics:** Work with larger numbers, introduce decimals, and explore geometry concepts.
- **Science:** Study habitats, light and sound, and properties of rocks and minerals.
- **Social Studies:** Learn about Indigenous cultures, early settlers, and Canadian geography.
- **Health and Physical Education:** Enhance coordination, conflict resolution, and nutrition understanding.

Grade 5:

- **English Language Arts:** Strengthen reading comprehension, essay writing, and oral presentation skills.
- **Mathematics:** Expand on fractions, decimals, area/perimeter, and probability.
- **Science:** Explore ecosystems, simple machines, and space systems.

- **Social Studies:** Study Canadian history, government roles, and global interconnections.
- **Health and Physical Education:** Develop fitness goals, teamwork, and stress management skills.

Grade 6:

- **English Language Arts:** Read and interpret a variety of texts, develop persuasive writing, and refine research skills.
- **Mathematics:** Work with ratios, percentages, data analysis, and three-dimensional geometry.
- **Science:** Investigate electricity, biodiversity, and human body systems.
- **Social Studies:** Analyze global communities, economic systems, and democratic principles.
- **Health and Physical Education:** Improve leadership skills, decision-making, and active lifestyle habits.

Grade 7:

- **English Language Arts:** Explore themes in literature, enhance argumentative writing, and practice oral presentations.
- **Mathematics:** Work with algebraic expressions, proportional reasoning, and probability.
- **Science:** Study heat transfer, ecosystems, and the structure of the Earth.
- **Social Studies:** Examine Canadian history, government structure, and world geography.
- **Health and Physical Education:** Promote personal fitness planning, mental health awareness, and healthy relationships.

Grade 8:

- **English Language Arts:** Develop literary analysis skills, refine essay writing, and critique media messages.
- **Mathematics:** Solve equations, explore transformations in geometry, and analyze statistical data.
- **Science:** Investigate fluids, optics, and genetics.

- **Social Studies:** Study global issues, cultural diversity, and citizenship responsibilities.
- **Health and Physical Education:** Focus on personal well-being, goal setting, and active living.

Grade 9:

- **English Language Arts:**
 - *Oral Communication:* Develop effective speaking and listening skills for various contexts.
 - *Reading and Viewing:* Analyze and interpret a variety of texts, identifying themes and literary devices.
 - *Writing and Representing:* Produce coherent and structured written work for different purposes and audiences.
- **Mathematics:**
 - *Number Sense and Operations:* Demonstrate proficiency in mathematical operations and number relationships.
 - *Patterns and Relations:* Understand and apply patterns to solve problems.
 - *Statistics and Probability:* Analyze data and understand the role of probability in society.
- **Science:**
 - *Life Science:* Explore ecosystems and the diversity of life.
 - *Physical Science:* Understand principles of matter and energy.
 - *Earth and Space Science:* Examine Earth's systems and the universe.

Grade 10:

- **English Language Arts:**
 - *Oral Communication:* Engage in discussions, presenting ideas clearly and persuasively.
 - *Reading and Viewing:* Critically evaluate texts, considering context and purpose.
 - *Writing and Representing:* Craft various forms of writing, demonstrating control over language and structure.

- **Mathematics:**

- *Algebra and Number:* Solve equations and understand functions.
- *Geometry and Trigonometry:* Apply geometric properties and trigonometric ratios.
- *Financial Mathematics:* Understand financial principles, including budgeting and interest calculations.

- **Science:**

- *Biology:* Study cellular processes and human anatomy.
- *Chemistry:* Explore chemical reactions and the periodic table.
- *Physics:* Understand forces, motion, and energy transformations.

Grade 11:

- **English Language Arts:**

- *Oral Communication:* Participate in debates and presentations, demonstrating rhetorical skills.
- *Reading and Viewing:* Analyze complex texts, identifying underlying themes and biases.
- *Writing and Representing:* Produce sophisticated written work, including research essays and creative pieces.

- **Mathematics:**

- *Pre-Calculus:* Explore advanced algebraic concepts and functions.
- *Statistics:* Interpret data sets and understand statistical methodologies.
- *Logical Reasoning:* Develop problem-solving skills through logical analysis.

- **Science:**

- *Environmental Science:* Investigate human impacts on ecosystems and sustainability practices.
- *Chemistry:* Delve into chemical bonding, thermodynamics, and reaction kinetics.
- *Physics:* Study electricity, magnetism, and wave phenomena.

Grade 12:

- **English Language Arts:**

- *Oral Communication:* Lead seminars and engage in scholarly discourse.
- *Reading and Viewing:* Critique literary and informational texts with a focus on theoretical perspectives.
- *Writing and Representing:* Compose advanced research papers and creative works, showcasing a unique voice.

- **Mathematics:**

- *Calculus:* Understand limits, derivatives, and integrals, and their applications.
- *Advanced Functions:* Analyze polynomial, exponential, and logarithmic functions.
- *Data Management:* Apply probability and statistics to real-world scenarios.

- **Science:**

- *Biology:* Examine genetics, evolution, and ecological relationships.
- *Chemistry:* Study organic chemistry and electrochemistry.
- *Physics:* Explore quantum mechanics and relativity.