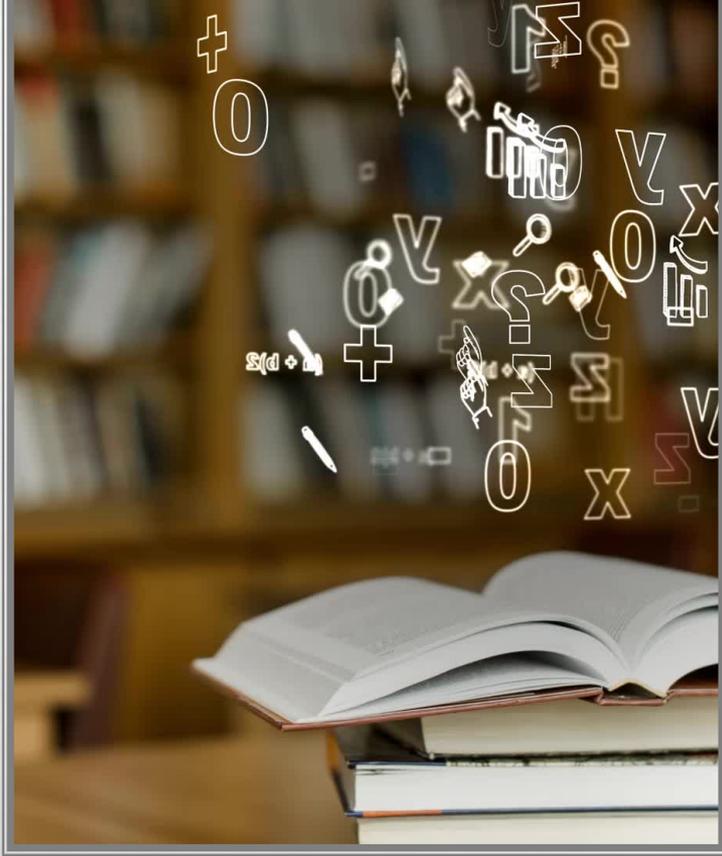


Enrichment Programs at EMSB: *A Menu For Gifted and Talented Learners*



Camelia Birlean, MEd, PhD.
Consultant, Gifted & Exceptional Learner
English Montreal School Board
&
Lecturer, McGill University
Educational And Counselling Psychology



AGENDA

- INTRODUCTION
- SCHOOL WIDE ENRICHMENT:
 - *Caribou International Math Competition*
 - *Future Problem Solving International*
 - *Debate And Public Speaking*
 - *Battle Of The Books*
- INDEPENDENT ENRICHMENT

Who Are We And What We Do At EMSB?

Our Mission:

- ✓ Raise awareness about the needs of gifted and talented learners
- ✓ To adopt a definition for Gifted learners at EMSB
- ✓ To address the individual needs of bright children within schools across EMSB
- ✓ To implement school-wide enrichment programs
- ✓ To lay the groundwork for a Centre of Excellence
- ✓ To identifying the need for a policy for Gifted learners here in Quebec

Camelia Birlean, MEd, PhD

Consultant, Gifted & Exceptional Learner

English Montreal School Board

Lecturer, *McGill University*

Educational and Counselling Psychology

cbirlean@emsb.qc.ca

camelia.birlean@mcgill.ca

Sarah Lubbe, MEd

Academic Success Tutor

Gifted & Exceptional Learner

EMSB

slubbe@emsb.qc.ca

Pamela Anang, MIS

(candidate)

Academic Success Tutor

Gifted & Exceptional Learner

EMSB

panang2@emsb.qc.ca

SCHOOLWIDE ENRICHMENT PROGRAMS



Caribou International Math Competition (K-12)

Participating Schools ($N_{\text{Total}} = 187$)

- ✓ Roslyn Elementary:
 - **Oliver Mansur**, Grade 4, Nr #1 (October Contest)
N participants = 12,909 internationally; N participants = 5,793 nationally; N participants = 70 provincially.
- ✓ Willingdon Elementary (Junior & Senior Campus)
- ✓ Dunrae Gardens Elementary
 - **Izaak Wolfson Trudeau**, Grade K, Nr #1 (January Contest) N participants = 1848 internationally
- ✓ Gardenview Elementary
- ✓ Pierre de Coubertin Elementary



Future Problem Solving International

“Teaching students HOW to think, not WHAT to think!”

Participating Schools (ES: G4-6; HS: sec 1-3) (N_{Total} = 42)

- ✓ Roslyn Elementary – GIPS
- ✓ Dunrae Gardens Elementary – GIPS
- ✓ Pierre de Coubertin Elementary – GIPS
- ✓ Willingdon Elementary - Scenario Writing

High School:

- ✓ Royal West Academy - GIPS



9 students qualified to the final international level competition and conference (June 7-11, University of Massachusetts Amherst)

Global Issues Problem Solving - GIPS

The 2022-2023 topics:

- ✓ Digital Realities
- ✓ Robotic Workforce
- ✓ Throw Away Society
- ✓ **Currency (Final Competition)**

FPSPi Topics 2022-2023

You can explore and think about these topics over the summer!

E-Waste



Digital Realities



Robotic Workforce



Throwaway Society



The detailed Action Plan and entries are assessed and scored by trained evaluators.

The six-step model (by Dr. Torrance)

- **Step 1:** Identify Challenges.
- **Step 2:** Select an Underlying Problem.
- **Step 3:** Produce Solution Ideas.
- **Step 4:** Generate and Select Criteria.
- **Step 5:** Apply Criteria.
- **Step 6:** Develop an Action Plan.



PDC and Roslyn Elementary Schools GIPS teams

Global Issues Problem Solving - GIPS

Target skills:

- ✓ Creativity
- ✓ Communication
- ✓ Critical thinking
- ✓ Collaboration

I enjoyed that we got to work on and explore different topics close to our real life, in the present and the future. These topics, especially throw-away culture, allowed me to reflect on what issues my actions might cause or avoid in the future. I also enjoyed the six-step problem-solving in groups. It was a new way for me to approach problems and I think it helped me think more creatively and with a wider view than before. I would join this program if it was offered again. (RWA student)



Royal West Academy GIPS teams

Global Issues Problem Solving - GIPS



I really enjoyed this because it was different from all the ones I've been in previously. I think it offers a very interesting and unique way of discussing the possibilities of the future of our world with the kids who will actually be living through these new events and educating and inspiring them to make a difference, as well as thinking of creative ways of solving problems that may arise later in our lives. I would love to join if this program was offered again.

Dunare Gardens GIPS teams

Debate And Public Speaking Enrichment (Gr. 4-6)

Participating Schools (N_{Total} = 69)

- ✓ Roslyn Elementary
- ✓ Gardenview Elementary
- ✓ Dunrae Gardens Elementary
- ✓ Pierre de Coubertin Elementary
- ✓ Willingdon Elementary Senior Campus



Debate And Public Speaking Enrichment (Gr. 4-6)

Target Skills:

- ✓ **Public speaking** - Students research and present a persuasive speech on suggested topics.
- ✓ **Researching Sources**- Students learn how to identify valid and reliable sources online and at the library.
- ✓ **Argumentative writing** - Students learn how to write a persuasive arguments using PAEIL (Point, Analysis, Evidence, Impact and Link) and the basics of argumentation.
- ✓ **Critical Thinking** - Students learn how to identify logical fallacies and question information presented in their speeches and during debates.
- ✓ **Rebuttals & Points of Information** - Student develop skills such as using evidence and reasoning to ask and answer questions during debates.

Canadian National Debate Style - Students participate in the in-class and inter-school debate tournaments.

Debate And Public Speaking Enrichment (Gr. 4-6)



*Dunrae Gardens Vs. Willingdon Elementary Schools
In the Final Inter-school Debate Competition*

The Motion: *“This House Believes That Homework Should Be Abolished”.*

Debate And Public Speaking Enrichment (Gr. 4-6)

We are impressed with the EMSB for addressing this previous lack of opportunity to develop these skills, and also for allowing the more advanced grade 4 students this year to participate. great idea!

All the parents of the grade 4 kids participating this year are very enthusiastic about this special debate group.

Hands down, we all agree that this type of skills - public speaking, reasoning, debating -- was indeed lacking at the elementary school level and these are indeed essential life skills that truly benefit anyone - gifted or not. We agree that this is truly a golden opportunity. I hope next year you will have even more schools on board.

I learned so much from this program! It was a lot of hard work, but it was totally worth it. I feel more aware of how people think and how people argue. I really liked learning the formal terms for logical fallacies and biases. I think this will help me in the future, not just for grades but in real life. This program helped me become better at thinking, overall. Thank you so much for everything!

DUNRAE GARDENS PARENTS TESTIMONIAL

ROSLYN STUDENT TESTIMONIAL

Battle of the Books Enrichment (Gr. 4-6) (November 2022-May 2023)

Participating Schools (**N**_{Total} = 38)

- ✓ Roslyn Elementary
- ✓ Gardenview Elementary
- ✓ Dunrae Gardens Elementary
- ✓ Pierre de Coubertin Elementary

BATTLE
OF
THE **BOOKS**



EMSB GIFTED & TALENTED
PROGRAMMING
2022-23

Battle of the Books Enrichment (Gr. 4-6)

At a Glance

Title	Author	Genre
Camp X	Eric Walters	Adventure; Historical Fiction
Innocent Heroes: Stories of Animals in the First World War	Sigmund Brouwer	Adventure; Nonfiction Blended Fiction
Silverwing	Kenneth Oppel	Adventure
Berani	Michelle Kadarusman	Realistic Fiction
Fatty Legs	Christy Jordan-Fenton	Autobiography Nonfiction
The Breadwinner	Deborah Ellis	Realistic Fiction
Beatrice and Croc Harry: A Novel	Lawrence Hill	Mystery
The Case of the Burgled Bundle	Michael Hutchinson	Mystery
The Barren Grounds	David Robertson	Fantasy
Nuria & The Immortal Palace	M.T. Khan	Fantasy

**BATTLE
OF
THE BOOKS**



**EMSB GIFTED & TALENTED
PROGRAMMING
2022-23**

Final Battle of the Books scheduled, May 19th from 9:30 - 11:30 at Roslyn Elementary School

INDEPENDENT ENRICHMENT PROGRAMS

Participating Schools (**N_{Total} = 21**)

- ✓ Gardenview Elementary
- ✓ Dunrae Gardens Elementary
- ✓ Willingdon Elementary
- ✓ Parkdale Elementary
- ✓ St. Raphael Elementary

Independent Enrichment Examples

- Scenario Writing Future Problem Solving International (Grade 4)
- Scratch programming exploration. Looking into code and video game design
 - The Wizard and the Robot - Scratch Animation (Grade 2)
 - The Peach and the Stomach - Scratch Animation (Grade 2)
- Lunar Rover Research Challenge (Grade 3 & 4; Grade K-noncompetitive)
- Mini Debate Group - (Grade 3 & 4)
- The Mystery of The Missing Tomb (G4)

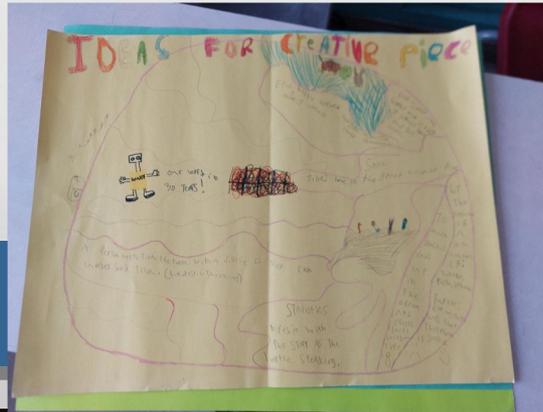
Scenario Writing: Independent Enrichment

Students develop short stories related to one of the annual FPS topics. Entries are 1500 words or less, set at least 20 years in the future, and is an imagined, but logical, outcome of actions or events taking place in the world. Student work is assessed based on the character, plot, and the feasibility of possible outcomes which directly reflect trends in the researched topic.

FPSPi Topics 2022-2023

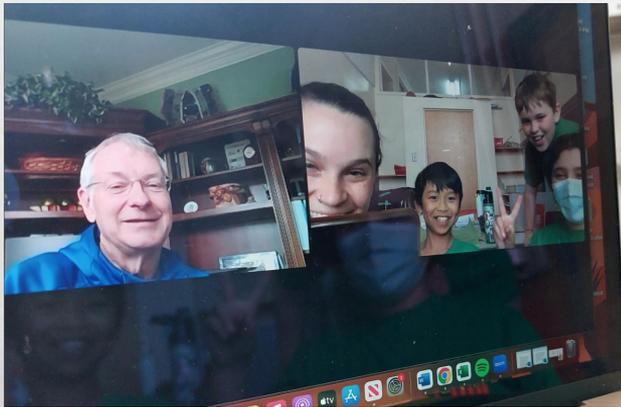
You can explore and think about these topics over the summer!

E-Waste 	Robotic Workforce 
Digital Realities 	Throwaway Society 

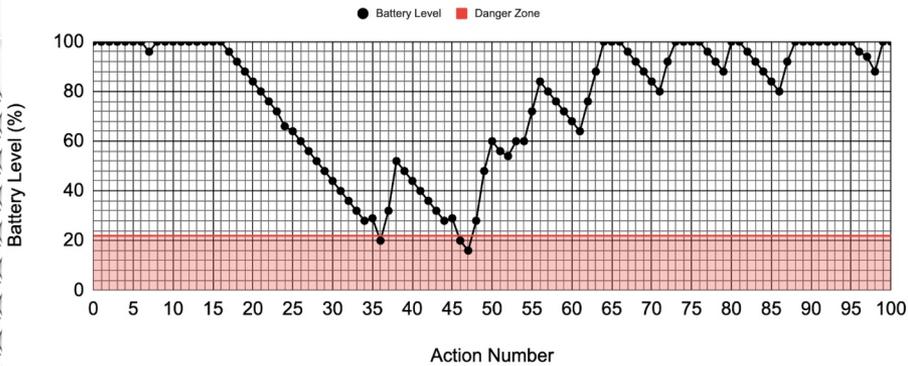
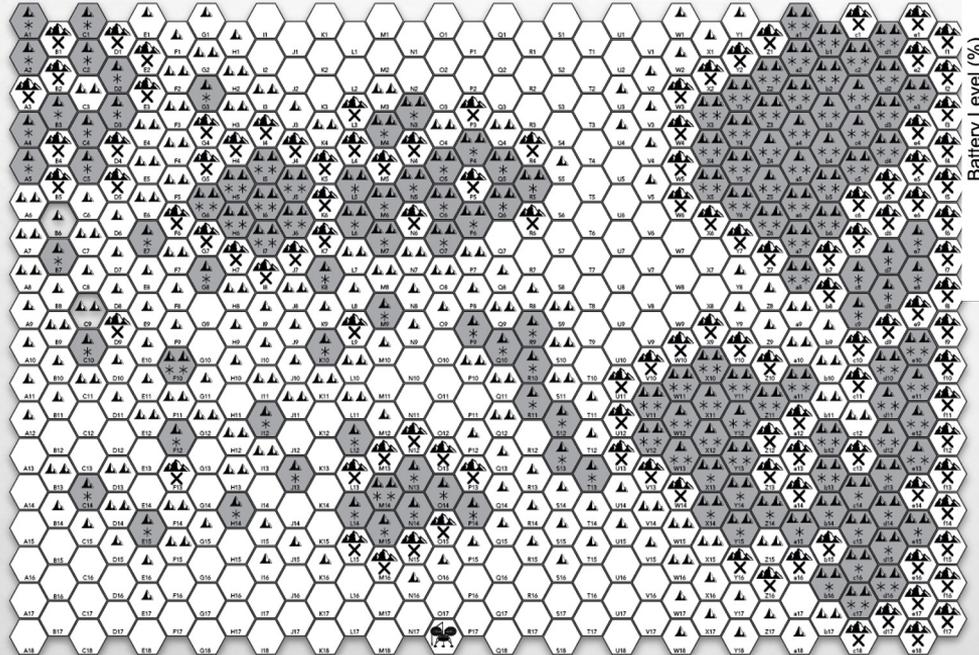


Lunar Rover Research Challenge

Four Willingdon students competed in the Lunar Rover Research Challenge developed by Education Specialists at Let's Talk Science in collaboration with subject matter experts in the space and rover industries at Canadian Aerospace and Avalon Space.



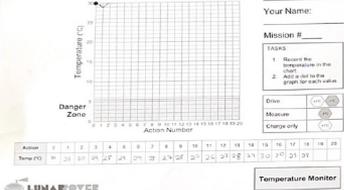
Battery Level Tracker



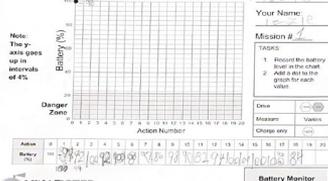
Lunar Rover Research Challenge

Lunar Rover Research Challenge: Dunare Gardens

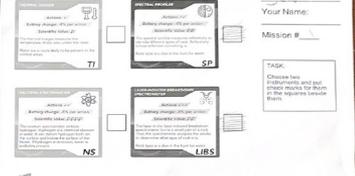
Internal Temperature Tracker



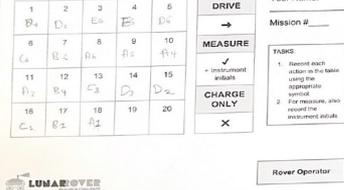
Battery Level Tracker



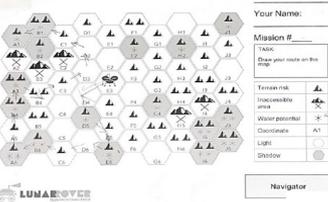
Scientific Instruments



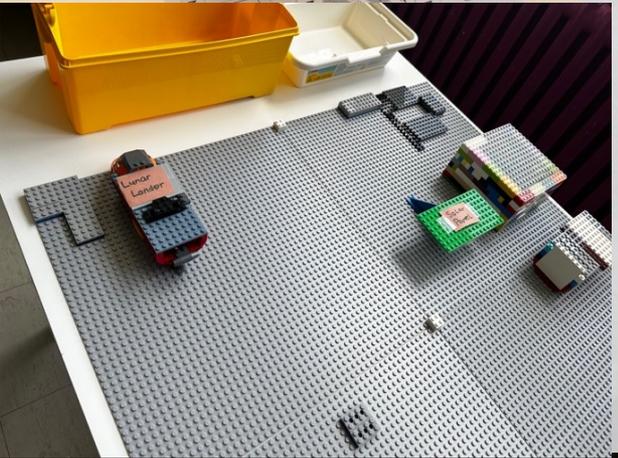
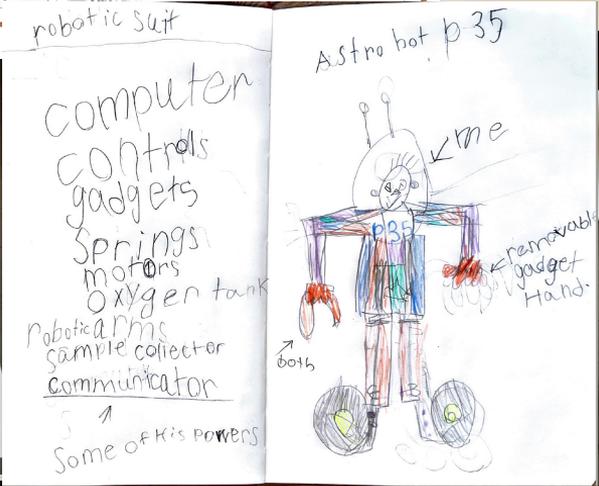
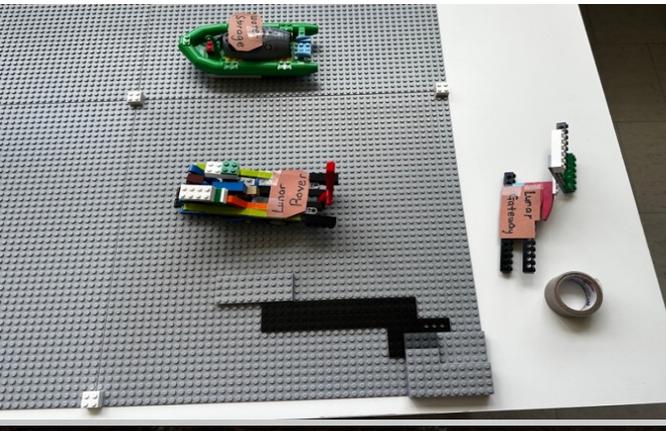
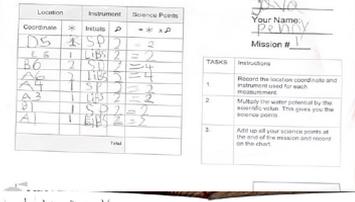
Rover Command Tracker



Map of Lunar Surface

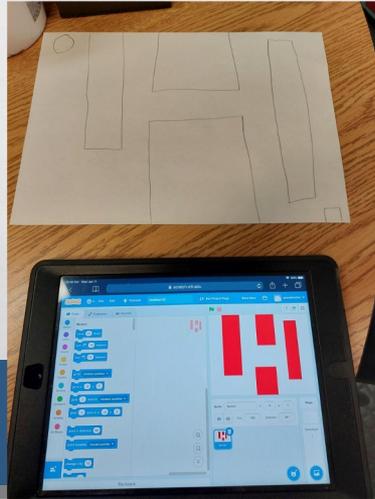
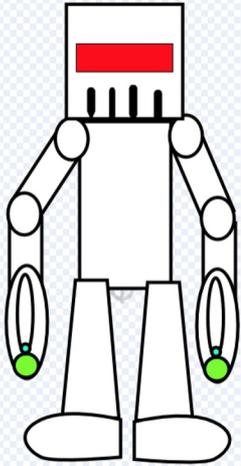


Data Tracker



Scratch Animation

Scratch is the world's largest coding community for children and a coding language with a simple visual interface that allows young people to create digital stories, games, and animations. Students have weekly 1-hour enrichment sessions working on animation projects and game design activities.



The Mystery of the Missing Tomb

This story focuses on the search for the missing tomb of King Tut, which is said to contain a mystical treasure that could cause great harm if it were to fall into the wrong hands.

Target Skills: research skills and creative story writing using Book Creator application as the medium for writing.



Thank You!

Camelia Birlean, MEd, PhD

Consultant, Gifted & Exceptional Learner

English Montreal School Board

Lecturer, McGill University

Educational and Counselling Psychology

cbirlean@emsb.qc.ca

camelia.birlean@mcgill.ca

Sarah Lubbe, MEd

Academic Success Tutor

Gifted & Exceptional Learner

EMSB

slubbe@emsb.qc.ca

Pamela Anang, MIS

(candidate)

Academic Success Tutor

Gifted & Exceptional Learner

EMSB

panang2@emsb.qc.ca