

## **Enrichment Program Report St. Raphael Elementary School 2022-2023**

A specific aim of the Gifted and Exceptional Learners' mandate for the 2022-2023 academic year was *Matching Instruction with Needs* through design and implementation of School-wide Enrichment initiatives and Acceleration Strategies (i.e., compacting curriculum) for individual bright and talented students at EMSB schools.

At St. Raphael Elementary School, we successfully implemented an engaging independent enrichment project centered around Scratch Coding Program (by MIT), designed to captivate our student's interests.

### **Guillaume Brosson-Fischer, Scratch Programming (MIT)**

Dr. Birlean designed this individual enrichment program to tailor specifically to the areas of strengths, interests, and needs of Guillaume based on the results of individual strengths assessment. Dr. Birlean conducted a comprehensive report outlining the tier 1 (classroom differentiation) and tier 2 (enrichment program differentiation) interventions for Guillaume. Dr. Birlean led case conferences with the student's parents and the school team including the school principal, classroom teacher, school psychologist and special education consultant. Guillaume was presented with three options for the enrichment program from which he selected to engage in Scratch Programming. Throughout the 2022/2023 school year, Guillaume benefited from a weekly formal alternative program mentored by Sarah Lubbe, an academic success tutor in the Gifted and Exceptional Learner team. During his engagement in the program, Guillaume created various animations and video games along with a scratch tutorial for his final presentation. Guillaume presented his scratch tutorial and showcased his Scratch creations to his parents during a "*Bring your family to school*" final presentation event. Additionally, Guillaume shared his presentation with his classroom teacher and peers.

### **Specific Skills Guillaume gained from this program.**

- **Animation.** Creating short animations and games using code "blocks" on Scratch.
- **Computational Thinking.** Using problem solving to identify and correct code errors.
- **Graphical Programming Block.** Building understanding and fluency of programming Scratch "blocks".
- **Digital Character design.** Using tools in scratch to create original characters and costumes.
- **Sound Design.** Use of Scratch sound blocks to add soundtracks.
- **Storyboard and story development.** Studying various story development tools such as a storyboard, stretching sentences activity and learning about the story arch. Guillaume wrote and created a short animation titled "The wizard and the robot".

*Future recommendations for Guillaume.*

- Design of Learning Centers or Choice Boards entailing differentiated activities and assessments within areas in which he excels (especially math, coding, creative writing).
- Caribou Math International Competition alongside math schoolwide enrichment program if offered.
- Embarking on another individual or group alternative program to deepen his abilities in Scratch programming.

*Areas in which Guillaume can be challenged.*

- **Design Process.** Guillaume can be challenged to continue creating larger projects, either as animated videos or video games. This process would include planning, executing, recording, and improving on his original design.
- **Writing.** Guillaume can be challenged to practice writing out full stories and dialogues. Encouraging him to explore different story archetypes and structures could help him develop a deeper understanding of storytelling techniques. He would benefit from expanding his ability in utilizing story arches, using descriptive words, and writing descriptive and narrative stories. Encouraging Guillaume to engage in short writing activities and analyzing written text could be a strategy to grow his writing abilities.

*Report Completed by Dr. Birlean*

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