



Mitacs Business Strategy Internship (BSI): Partner Proposal PatchUp

Organization Name: PatchUp

Please Send Resume/Cover Letter To: Alex Sacher, Founder, Alex@patchup.ca

Seeking Applicant in:

College of Education or Educational Psychology and Special Education Program

Background:

PatchUp is a web-based platform that supports student self-regulation while providing educators with meaningful, real-time insight into student experiences. Delivered through short, interactive social-emotional learning (SEL) activities, PatchUp helps students navigate moments of dysregulation independently or alongside support staff, making it adaptable across a range of classroom contexts.

Additionally, perceptual survey questions are embedded within these activities, creating a framework for continuous data collection and modelling. This approach provides a more accurate and timely understanding of student wellbeing, engagement, and classroom dynamics. As a result, schools and divisions are better equipped to make informed decisions, evaluate the effectiveness of newly implemented programs, and allocate resources more strategically.

The primary focus of this project is to expand and refine PatchUp's student-facing SEL content, including interactive lessons, activities, and games delivered through the platform. This will involve reviewing and improving existing materials, as well as developing new, grade-specific content aligned with SEL best practices. Given the importance of ensuring content is both developmentally appropriate and pedagogically sound, this work requires a foundation in curriculum design, particularly within the context of SEL. Familiarity with established SEL frameworks, learning outcomes, and instructional strategies will be important in creating engaging, effective content that can be seamlessly integrated into classroom environments.

Objectives & Methodology/Approach:

The core objective of this project is to expand and enhance PatchUp's SEL content to ensure it is developmentally appropriate, aligned with established SEL frameworks, and effective within classroom settings. This will be accomplished through three main objectives:

1. Review and alignment with SEL guidelines

The intern will conduct a review of established SEL frameworks and grade-level learning outcomes to identify key competencies and expectations across grades 1–8. This will ensure that all content is grounded in recognized best practices and appropriate for each age group. During work on this objective, a list of resources and references will be generated by the intern to support them in Objectives 2 & 3.

2. Review and refinement of existing materials

Existing lessons, activities, and games will be evaluated for alignment with SEL objectives, clarity, engagement, and developmental appropriateness. The intern will identify gaps, redundancies, and areas for improvement, and make targeted revisions to strengthen the overall quality and consistency of the content. This process will be documented



by the intern in revision documents which outline the content that needs to be modified, the reasoning, and the revision to address it.

3. Development of new SEL content

The intern will design and develop new interactive lessons and activities to address identified gaps and expand topic coverage. This will include creating grade-specific variations of existing lessons and activities to ensure accessibility and relevance across age groups. Key responsibilities include:

- Developing student-facing written content for lessons and activities
- Creating or sourcing supporting media (e.g., visuals, audio, interactive elements)
- Structuring and organizing content to facilitate seamless import into the PatchUp repository

Timeline:

Month 1 – Research and review of current SEL guidelines and frameworks

Month 2 & 3 – Review and refinement of existing PatchUp materials

Month 4, 5, & 6 – Development of new SEL content

Deliverables:

The intern will be responsible for producing revision documents which outline issues, gaps, and areas of improvement for existing PatchUp materials. The intern will also be responsible for producing documents outlining the content of new SEL lessons and activities to be added to the PatchUp platform. The end product of the internship will be the revisions and addition of new student-facing materials on the PatchUp platform.