

SCIE 113 For All: Expanding in Enrolments and Scope

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Background

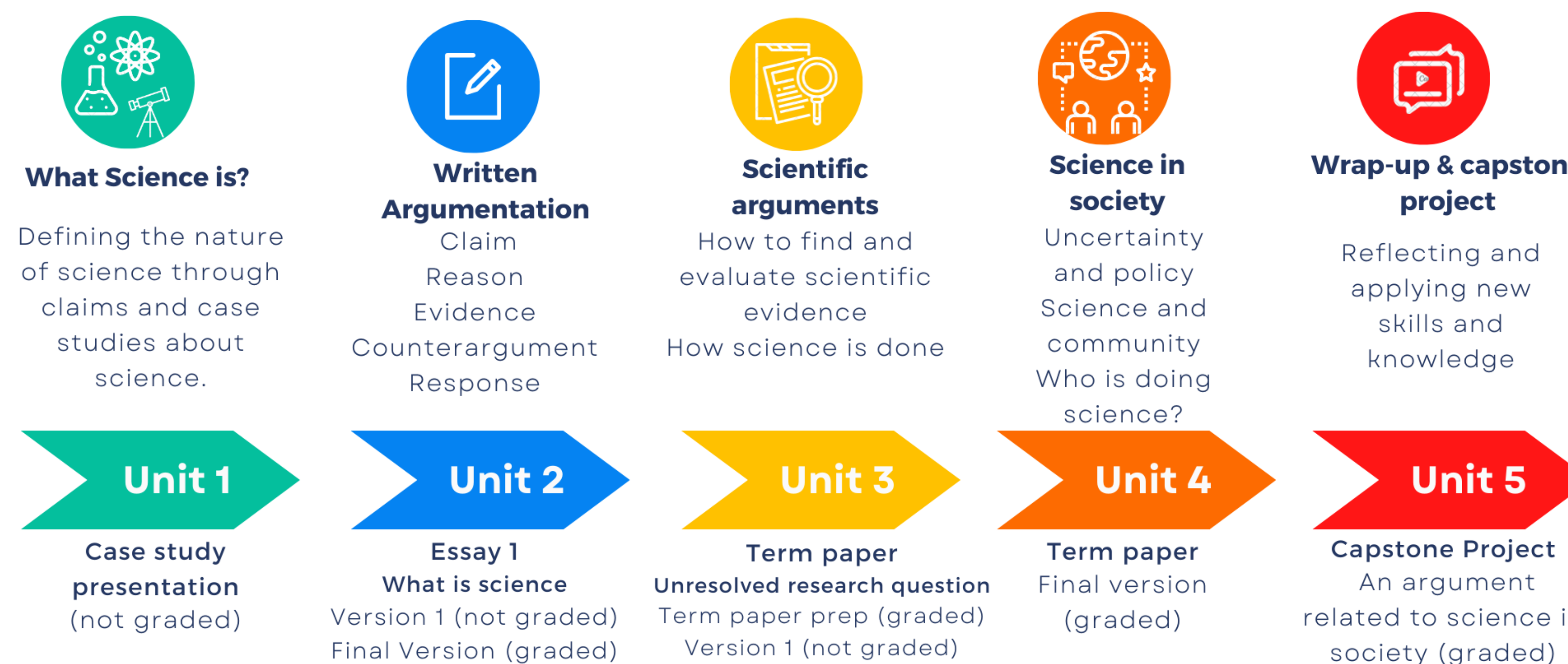
As a small seminar-style course, SCIE 113 teaches skills and knowledge central to all scientific disciplines concerning the process and enterprise of science, how science impacts our world, and how to communicate science effectively. Starting September 2024, all learners enrolled in the BSc are required to receive credits for SCIE 113 as part of the communication requirement. This presents a timely opportunity to review the curriculum, pedagogy, and course delivery strategies.

SCIE 113 Learning Outcomes

1. Articulate and discuss what science is and how it is done
2. Practice critical thinking
3. Communicate effectively through writing
4. Put science in context
5. Act professionally as a member of the scientific community

SCIE 113 Course Overview

In SCIE 113, learners are guided to write argumentatively about science. They also explore what science is and the diverse ways in which it is done. The SCIE 113 learner experience is scaffolded. The first submissions are not usually graded but rather provide feedback to learners on their performance. Each of the major assignments build on one another, requiring the skills learned in the previous unit, but adding a new layer of abilities.



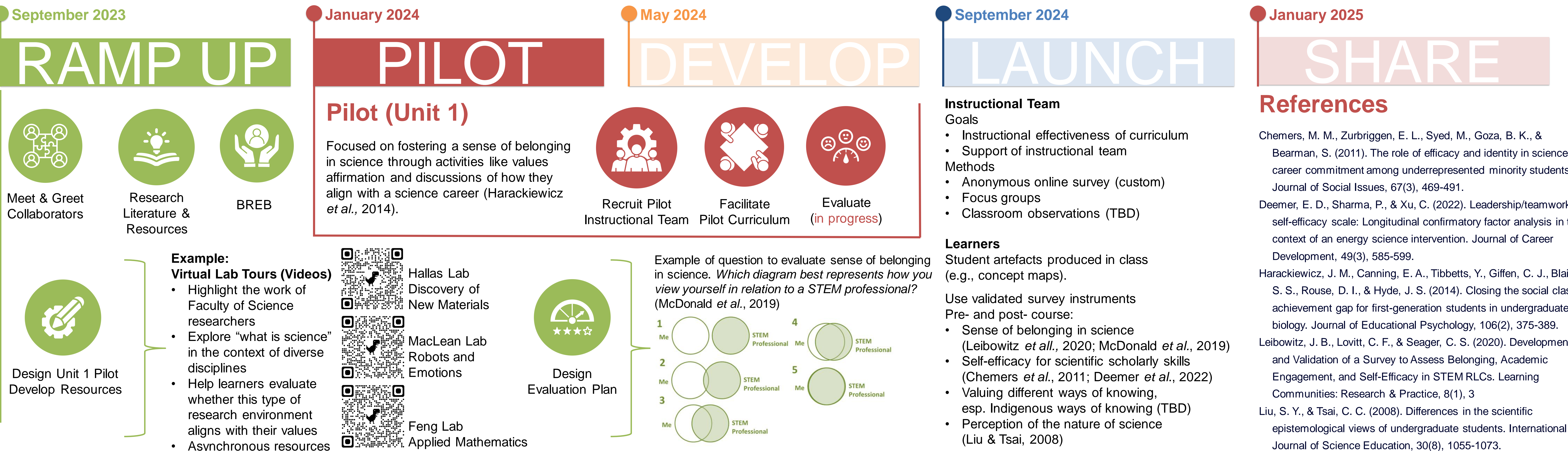
Project Goals

SCIE 113 received TLEF funding to revise the curriculum with the following aims:

- Promote sense of belonging in science
- Bolster academic skills (first year transition)
- Weave Indigenous Ways of Knowing into curriculum
- Increase flexibility through blended options
- Adjust activities to fit the expanded enrolment

Deliverables

- Revised curriculum (lesson plans, slide decks, Canvas LMS, activity resources, assignments)
- Share resources as OERs
- Evaluation of curriculum revisions



Project Partners

Academic Integrity Hub
The Science Centre for Learning and Teaching (Skylight)
Faculty of Science Student Engagement Office
CTLT Indigenous Initiatives

Acknowledgements

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