

The Partners In Research (PIR) Delta Program offers a set of interactive curriculum resource packages that focus on grade 1-8 Science and Technology in alignment with the curriculum standards of the province of Ontario. The program brings storytelling, inquiry, experiential learning and mentorship together to support student learning. Delta aims to provide a scaffolded approach to becoming an independent learner and true problem-solver. From Grades 1 through 8, the authors have designed the activities to gradually release responsibility from teacher to student.



**Participate:** The Delta Program moves beyond theory into the realm of “learning by doing”, where students get first hand experiences as part of their learning process. This plays a crucial role in retaining concepts and ideas. Each curriculum package contains a lesson plan featuring an experiential learning component, highlighting the use of student inquiry, and supporting student learning with live interactive expert mentorship via videoconference. PIR guest experts enhance student learning by drawing real-life connections to big ideas within the curriculum resource packages.

**Reflect:** The authors have put careful consideration into the storytelling aspect of each curriculum resource package. By structuring each lesson as a component of the story, students are actively engaged in what they are learning from lesson to lesson. Students are able to reflect upon a variety of scientific concepts and technologies introduced to them as they work through each resource package. Learners can utilize this information to make inferences about their own interests, strengths, and intelligences while contributing to their “All About Me” portfolio / Individual Pathways Plan.

**Apply:** The Delta Program has been designed to match perspective differences across grades, from immediate and personal issues in the early years to larger, sometimes global, issues in the Intermediate grades. This provides students with a realistic and authentic learning experience.

delta   
inquiry | experiential learning | mentorship