LEARNER PROFILE
Problem solving involves selecting strategies and resources to move from what is known to what is sought, assessing the effectiveness of strategies and resources utilized, and implementing solutions. They evaluate alternatives and their consequences, and use strategies such as creativity, flexibility, and determination.

HOW DOES A STUDENT DEMONSTRATE PROBLEM SOLVING?

1. IDENTIFY
   - Identify what is known and what information is needed to solve a problem.

2. EXPLORE
   - Explore problems solving strategies using information, resources, or opinions.

3. ASSESS
   - Assess options to generate possible solutions.

4. EVALUATE
   - Evaluate the potential impact of possible solutions, focusing on the most viable options.

5. ADJUST
   - Approach challenges and obstacles with flexibility and determination.

STRATEGIES AND IDEAS

1. Involves students in inquiry among which students are involved in research, conducted research, and developed original answers, solutions, and products.

2. Create a culture where questions and learning are considered important and valued, and being stuck is seen as part of learning.

3. Add open-ended questions as a way to generate discussion, develop solutions, or to identify opportunities for further outside investigation.

4. Find real-world problems for the students to solve. These can come from relevant or real-life connections or personal lives.

REFERENCE LINKS:
- COMPETENCY INFORMATION SHEETS
- COMPETENCY LEARNING GUIDE
- ALBERTA EDUCATION

A Complexity Defined in the Modified Order for Student Learning #003/2013