

CROSS-CURRICULAR COMPETENCIES

A cross-curricular competency is an interrelated set of attitudes, skills and knowledge that are drawn upon and applied to a particular context for successful learning and living. They are developed by every student, in every grade and across every subject/discipline area.

A. Know how to learn

B. Think critically

C. Identify and solve complex problems

D. Manage information

E. Innovate

F. Create opportunities

G. Apply multiple literacies

H. Demonstrate good communication skills and the ability to work cooperatively with others

I. Demonstrate global and cultural understanding

J. Identify and apply career and life skills

Identify and solve complex problems...

have the confidence and capacity to solve a range of problems, from simple to complex

WHEN GENERATING SOLUTIONS TO COMPLEX PROBLEMS, STUDENTS ARE:

adaptable
compassionate
confident
empathetic optimistic
respectful



KEY UNDERSTANDINGS

Alberta students have the confidence and capacity to solve a range of problems, from simple to complex, related to their learning, work, and personal lives.

As engaged thinkers, they:

- draw from multiple perspectives, disciplines and resources to identify problems and determine the most viable solutions;
- approach complex problems with an attitude of optimism and hope; and
- demonstrate respect, empathy, and compassion for all people.

IMPLICATIONS FOR ENABLING STUDENTS TO IDENTIFY AND SOLVE COMPLEX PROBLEMS

Teachers design learning opportunities that...

- include cross-disciplinary, experiential and/or authentic problems
- facilitate access to a variety of resources, perspectives, contexts and disciplines to help students discern problems and arrive at the best solutions
- identify effective and additional ways to more broadly assess learner problem solving skills

What other implications for designing learning opportunities can you identify?

While generating solutions to complex problems, students...

- identify and clarify problems
- establish clear criteria to make informed decisions or solve problems
- explore a variety of problem solving strategies to generate possible solutions
- assess the potential impact of possible solutions
- select the most viable option
- defend their decisions

What other implications for student learning can you identify?

QUESTIONS FOR REFLECTION AND DISCUSSION ?

- How does this information link to ways you currently provide learning opportunities for identifying and solving complex problems?
- What are your thoughts and experiences around project-based learning? How can it support the development of problem-solving skills and habits of mind?



FOR MORE INFORMATION

- Alberta Education. (2010). Inspiring education: A dialogue with albertans. Retrieved from <http://education.alberta.ca/media/7145083/inspiring%20education%20steering%20committee%20report.pdf>
- Alberta Education Curriculum Redesign website. Retrieved from <http://education.alberta.ca/department/ipr/curriculum.aspx>
- Alberta Education. (2013). Ministerial order on student learning. Retrieved from <http://education.alberta.ca/department/policy/standards/goals.aspx>



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