

Aim of Mathematics

The K-12 aim of mathematics curricula is to help students develop the understandings and abilities necessary to be confident and competent in thinking and working mathematically in their daily activities and ongoing learnings and work experiences. The mathematics program is intended to stimulate the spirit of inquiry within the context of mathematical thinking and reasoning.

Goals of Mathematics

Logical Thinking - Through their learning of K-12 mathematics, students will develop and be able to apply mathematical reasoning processes, skills, and strategies to new situations and problems.

- **Number Sense - Through their learning of K-12 mathematics, students will develop an understanding of the meaning of, relationships between, properties of, roles of, and representations (including symbolic) of numbers and apply this understanding to new situations and problems.**
- **Spatial Sense - Through their learning of K-12 mathematics, students will develop an understanding of 2-D shapes and 3-D objects, and the relationships between geometrical shapes and objects and numbers, and apply this understanding to new situations and problems.**
- **Mathematics as a Human Endeavour - Through their learning of K-12 mathematics, students will develop an understanding of mathematics as a way of knowing the world that all humans are capable of with respect to their personal experiences and needs**