

LEARNING OUTCOME OF MATHEMATICS

Mathematics is the most beautiful and powerful creation of the human spirit. Mathematics makes our life orderly and prevent chaos. Certain qualities that are nurtured by mathematics are power of reasoning, creativity, abstract thinking, critical thinking, problem solving ability and even effective communication skill. Mathematics makes strong our analytical skill which are important to prepare our mind hungry to look for the solution of any problem. Student learning outcomes' specify an action by the students that must be observable, measurable and able to be demonstrated. Students should have a sense of Mathematics as a unique discipline, with its concepts as well as there interconnections, interdependency and the overall unity of Mathematics. These includes the central role of Mathematics in many other discipline such as in applied Mathematics. Learner should gain a qualitative and intuitive understanding from many of the big ideas of Mathematics. These includes: pattern, symmetry, structure, proof, recursion, randomness, infinity and so on. Mathematics contains many of the deepest, most powerful and exciting ideas created by human kind. These extent our thinking and imaginations, as well as providing the scientific equivalent of poetry, aesthetics and even spiritual experiences. Recent CBCS syllabus includes some advanced Mathematics like algebra, analysis which boost a student to grow his interest to study higher Mathematics like research. The researcher mind unfold the door of the beautiful Mathematical world to entre him which help the students to make nice academic carrier. Except academic world there are various ways to make a beautiful carrier after studying Mathematics such as software professional, data analyst etc in many other public sectors as well as corporate sectors. A degree involving Mathematics or Statistics will prepare a student to serve in multiple areas such as health, finance, information technology, education, insurance etc.