

## Numeracy Curriculum – Primary School

Australian Islamic College excels in the area of Numeracy, by implementing well-structured WA Numeracy Curriculum. At Primary School we offer a comprehensive program which aims to provide students with a strong grounding in mathematical skills, strategies and understandings. Our aim is to support students in becoming numerate and use mathematics effectively so they can successfully participate at school, at home and in the wider community. The school ensures each class dedicates at least one hour to Numeracy every day. Mathematics is taught through the dimensions of Number and Algebra; Measurement and Geometry; Statistics and Probability. Teachers strive to make Mathematics a fun and positive experience with greater emphasis in problem solving, critical analysis and high order thinking.

At Primary School we ensure that:

- The numeracy curriculum is well structured, allowing students to achieve the most within the time period, whilst always providing well-needed revision to ensure a complete understanding of all components of the course
- All teaching methods, of which are clear and easy to understand, incorporates many different tactics to approach a wide range of problems to suit each students needs and capabilities
- Students are taught a range of time management skills, allowing them to attain higher results under pressure in tests and exams
- Each student is looked at by the teacher to ensure improvement on an individual basis and is helped accordingly in their areas of weakness, whilst also given recognition on their strengths
- Students are given advice on study habits, stress and work management to guarantee a good balance in their schoolwork, therefore boosting not only their grades, but also their confidence in their studies and abilities
- Numeracy classes not only include worded problems, but students are given a practical edge to their work through using different instrument such as measuring tools, abacuses and applying their mathematical knowledge to different scenarios, further assisting them to not only remember all concepts better, but also making improvement in their areas of difficulty
- Teamwork is incorporated into lessons to ensure students are supported in their work by their classmates as well as teachers, and helping them to further understand each problem better, as each student will have a unique way of tackling different problems
- Interesting and motivational Homework is given to provide additional background on all aspects of the course and aid in revision that supplements work done in class
- Maths lessons are given an enjoyable edge with craft included in making 3D versions of shapes, fun scenarios conducted with water to demonstrate aspects of volume and students themselves are incorporated into the problems in areas of height and mass, allowing an increased understanding of the problems and greatly advancing their applications of different maths to a variety of questions in tests and classwork
- Through the numeracy curriculum in Primary, students are prepared for the High school numeracy course, and are given confidence to take on maths of a greater difficulty, through attaining a clear understanding of all components undertaken beforehand