



Math Course Introduction

The aims of the Maths department at Willows have a strong foundation in the aims of the IB MYP Maths program. We believe it is essential for us to:

- Develop the skills and knowledge necessary to allow our students to take studies in Mathematics beyond the MYP.
- Develop confidence, perseverance and independence in Mathematical thinking and problem solving.
- Give students the opportunity to communicate confidently and clearly in a variety of contexts.
- Demonstrate and explore the contribution of Mathematics in other areas.
- Encourage students to reflect critically and constructively on their work and the work of others.

Across grades 6th, 7th and 8th at Willow Prep we follow the MYP Mathematics program levels 2, 3 and 4 respectively. Our primary resource is the Haese Mathematics textbooks. We use extension resources from a variety of sources in order to develop a sense of concept and interconnectivity in Maths. We believe in developing a strong foundation in Mathematics. Mastery of number processes, relationships, form and nomenclature is essential before progressing through the commonly proposed fields of Algebra, Geometry and Statistics. This is explained further in our Syllabus Summary. As students progress through the MYP Maths Program, the emphasis on understanding increases as students work towards developing a strong Mathematical knowledge base that will allow them to study a wide range of topics and assist them with their work in other subjects. Through this process they also work on communicating their ideas in ways that allow others to understand their thinking. We value Mathematics not only for its beauty but also for its usefulness in helping us to understand how the world works and for providing us with a unique way to communicate.