



6th Grade Mathematics

Willows Preparatory School 2020-2021

Subject Aims

- Develop confidence, perseverance and independence in Mathematical thinking and problem solving.
- Communicate confidently and clearly in a variety of contexts.
- Appreciate the contribution of Mathematics in other areas.
- Reflect critically and constructively on your work and the work of others.
- Nurture the skills and knowledge required for students to take their studies in Mathematics beyond the MYP

Keys to Class

- Students will apply their mathematical knowledge, skills, and abilities to solve complex problems.
- Students will identify patterns using their tools of mathematical inquiry.
- Students will learn about the nature of mathematics and apply it to other disciplines.
- Students will learn both how to solve problems and justify their solutions.

I.B. Grading Criteria

Objective A: Knowing and Understanding	Do we have access to a selection methods, processes and techniques? Can we apply them to challenging and unfamiliar problems?
Objective B: Investigating Patterns	Can we generalize patterns and investigate their properties?
Objective C: Communicating	Can we link together the different forms of Maths to produce accurate, coherent solutions?
Objective D: Apply Mathematics in Context	How do we identify what is relevant? Can we justify our answers and reflect on the accuracy of our solutions?

Content Brief

Semester 1	Semester 2
1) Properties of Numbers	5) Linear Functions
2) Algebraic Expressions	6) Rates, Ratios and Proportions
3) Algebraic Equations	7) Foundations of Geometry
4) Coordinate Geometry	8) Spatial and 3-D Geometry