

Subject Guide Overview

MATHEMATICS YEAR 2 MRS. SERRANO 2024/2025

UNIT TITLE	KEY CONCEPTS	RELATED CONCEPTS	GLOBAL CONTEXT	STATEMENT OF INQUIRY	APPROACHES TO LEARNING	OBJECTIVES	CONTENT
<u>Unit1</u> Proportional Relationship	Relationship	Models, Representation.	Globalization and sustainability Data-driven decision-making	Models, is used to enhance understanding relationships, through Data-driven decision-making	In order for students to know and understand Real life contexts students must use such as reading and writing to take effective notes in class.e communication skills , s	A: Knowing and understanding i,ii,iii D: Applying mathematics in real-life contexts i,ii,iii,iv,v	Use patterns and unit rates to analyze and describe relationships/ Use equivalent ratios to convert measurements between measurement systems.
<u>Unit 2</u> Expressions /Equations/In equalities/Cir cumference /Area of a Circle	Logic	Patterns Quantity Simplification	-Scientific and technical innovation Mathematical puzzles.	Logic is used to find patterns and solve mathematical puzzles.	In order for students to know and understand, patterns students must use critical thinking skills to analyse and interpret data.	A.Knowing and understanding i,ii,iii. B. Investigating Patterns. i,ii,iii.	Use linear expressions to represent a quantity in different ways.
<u>Unit 3</u> Law of Exponents, Volume and Surface Area of a Cylinder	Form	Representation , Simplification	Globalization and sustainability Design and scale.	Representation is used to enhance understanding forms through design and scale	In order for students to communicate with patterns, students must use creative thinking skills to generate novel ideas and make unusual connections.	B:Investigate patterns i.ii.iii. C: Communicating i,ii,iii,iv,v.	Develop and use the laws of integer exponents.
<u>Unit 4</u> Probability/D ata Analysis	Logic	Representation Models	Scientific and technical innovation Mathematical puzzles	Using representation and logic to solve mathematical puzzles.	In order for students to communicate in real life contexts, students must use critical thinking skills to evaluate issues and forecast possibilities.	C. Communicating i,ii,iii D.Applying mathematics in real life contexts. i,ii,iii,iv,v.	Describe the likelihood of an event in terms of a probability between 0 and 1/Choose and graph a graphical representation given either numerical or categorical data.