

BRACKEN RIDGE STATE HIGH SCHOOL

Year 9 Maths

Overview

TERM	UNIT	SUB TOPICS	ASSESSMENT
Term 1	Real numbers Linear and non-linear relationships Using units of measurement	<ul style="list-style-type: none"> • rates, ratio and direct proportion • gradients • distance between two points • midpoints • measurement • area • volume • surface area 	<ul style="list-style-type: none"> • Exam • Assignment
Term 2	Patterns and algebra Pythagoras and trigonometry Geometric reasoning	<ul style="list-style-type: none"> • distributive law • factorising expressions • expanding binomials • sketching non-linear graphs • scale factors & scale diagrams • similar triangles • Pythagoras' theorem • trigonometry 	<ul style="list-style-type: none"> • Exam (Patterns & Algebra) • Exam (Geometric reasoning)
Term 3	Data Presentation and Interpretation Real Numbers Patterns and algebra Money & Financial Maths	<ul style="list-style-type: none"> • data collection & displays • summary statistics • index notation & index laws • scientific notation • expand and simplify algebraic expressions • simple interest • total and monthly repayments 	<ul style="list-style-type: none"> • Exam • Assignment
Term 4	Chance Patterns and algebra	<ul style="list-style-type: none"> • theoretical and experimental probability • two-way tables, tree diagrams, venn diagrams • relative frequency • solving equations 	<ul style="list-style-type: none"> • Exam