BRACKEN RIDGE STATE HIGH SCHOOL
Year 10 Mathematics
Overview

TERM	UNIT	SUB TOPICS	ASSESSMENT
Term 1	Pythagoras and trigonometry	• Calculating hypotenuse and short sides • Calculating unknown sides using trig • Calculating unknown angles using trig • Angles of elevation and depression • Bearings	• Test
	Statistics and probability	• Two and three step chance experiments • Experiments with and without replacement • Assigning and determining probabilities	• Assignment
Term 2	Linear and non-linear relationships	• Gradient and y-intercept • Straight line equation • Simultaneous equations	• Test
	Real numbers	• Indices	
	Patterns and algebra	• Expanding and factorising • Simplifying algebraic fractions	
Term 3	Data	• Interpreting tables and graphs • 5 number summary • Boxplots/parallel boxplots • IQR • Scatterplots	• Assignment
	Units of measurement and geometric reasoning	• Surface area and volume of composite shapes • Angle rules and proofs	• Test
Term 4	Money and financial mathematics	• Simple interest • Compound interest • Depreciation, appreciation and inflation	• Test
	Linear and non-linear relations	• Connection between algebraic and graphical representation of relations • Algebraic fractions • Quadratics	• Test