



What is Parkside aiming to achieve through its Maths curriculum?

- We are aiming to deeply understand some of the key areas of KS4, whilst introducing new topics and understand how mathematics can influence the real world.
- We have implemented a mastery curriculum where we are aiming for strong understanding and a high success rate in the topics we cover.
- We are striving for pupils to be confident learners and enjoy mathematics lessons.
- We are looking to develop flexible skills which can be transferred to suit future careers and learning.

Parkside School Subject Curriculum Plan

Subject: Maths KS5



| Year | Half Term 1 | Half Term 2 | Half Term 3 | Half Term 4 | Half Term 5 | Half Term 6 |
|-------------------|--|--|--|---|---|--------------------------------|
| 12 Pure | 1: Algebraic expressions 2: Quadratics | 3: Straight line graphs 4: Inequalities | 5: Circles 6: Algebraic methods | 7: Graphs and Transformations 8: Trig ratios | 9: Trig identities 10: Exponentials and logarithms | Mock Examinations and revision |
| 12 Applied | 1: Binomial expansion 2: Data Collection 3: Measures of location and speed | 4: Representation of data 5: Correlation 6: Probability | 7: Statistical distribution 8: Hypothesis testing 9: Modelling | 10: Constant acceleration 11: Differentiation Variable acceleration 12: Integration Variable acceleration | 13: Vectors 14: Forces and Motion | Mock Examinations and revision |
| 13 Pure | 1: Binomial expansion 2: Algebraic methods 3: Functions of graphs 4: Series and sequences | 5: Radians 6: Trig functions 7: Trigonometry and modelling | 8: Parametric equations 9: Differentiation | 10: Numerical methods 11: Integration | Revision and Examination Prep | |
| 13 Applied | 1: Regression 2: Normal distribution | 3: Conditional probability 4: Moments 5: Forces and Friction | 6: Further Kinematics 7: Projectables | 8: Application of forces | Revision and Examination Prep | |