Western Mathematics Exams

Purchasers of the 2013 Mathematics Assessment Bank will be emailed Year 10 Exams for their Half Yearly and Yearly Assessment. The Yearly Exam will include the core topics from the course. For the Half Yearly, not all schools do the topics in the same order, but the exams are in the table format where they can be edited and have other questions inserted from the Assessment Bank. To assist in your preparation, we have outlined below, the topics which will be included in the Half Yearly Exams and additional Topics included in the Yearly Exams.

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| **Year 10 Maths Course** | |
| **Year 9 Topics Included in Year 10 HY.** | **Year 10 Topics in Year 10 HY** |
| Rational numbers | Ratio and Rates |
| Earning & Spending | Surface Area and Volume of Prisms and Cylinders |
| Basic Geometry | Right Triangle Trigonometry |
| Basic Measurement | Compound Interest and Depreciation |
| Area | Data: Measures of Central Tendency and Spread inc Grouped Data. |
| Pythagoras’ Theorem |  |
| Basic Algebraic Techniques | **Additional Year 10 Topics in Yearly Exam** |
| Coordinate Geometry | Volume of Pyramids Cones and Spheres. |
| Indices | Congruence |
| Equations and Inequalities | Basic Probability |
| Collecting and Representing Data | Coordinate Geometry |
|  | Non Linear Graphs inc Distance Time Graphs. |
|  | Similarity |

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| **Year 10 Advanced Maths Course** | |
| **Year 9 Topics Included in Year 10 HY.** | **Year 10 Topics in Year 10 HY** |
| Rational numbers | Surds |
| Earning & Spending | Surface Area and Volume of Prisms, Cylinders, Pyramids, Cones and Spheres. |
| Basic Geometry | Quadratic Equations |
| Basic Measurement | Non Linear Graphs |
| Area | Compound Interest and Depreciation |
| Pythagoras’ Theorem | Data: Measures of Central Tendency and Spread inc Grouped Data. |
| Basic Algebraic Techniques |  |
| Coordinate Geometry |  |
| Indices | **Additional Year 10 Topics in Yearly Exam** |
| Equations and Inequalities | Non Right Angled Triangle Trigonometry |
| Collecting and Representing Data | Congruence and Deductive Geometry |
| Binomial Products and Factors | Further Probability – Counting Techniques |
| Basic Probability | Coordinate Geometry |
| Right Triangle Trigonometry | Similarity |
| Simultaneous Equations |  |
| Graphs of Physical Phenomena |  |