**Higher Year 10 Summer Exam Revision List**

|  |
| --- |
| **Number** |
| Use of a calculator and rounding | Multiplying decimals |
| Percentage change | Lowest common multiple |
| Currency conversion | Writing in standard form |
| Ratio problem | Ordering standard form numbers |
| Percentage and money problem | Indices |
| Compound interest | Ratio |
| Bounds calculations | Recurring decimals |
| Surds |  |
| **Algebra** |
| Laws of indices | Expanding and simplifying |
| Nth term | Substitution |
| Forming and solving an equation | Factorising |
| Forming a formula | Forming and solving an equation |
| Inverse proportion | Plotting a straight line graph |
| Plot a quadratic graph | Mathematical proof |
| Find the equation of a line | Forming an expression |
| Fibonacci sequence | Find the equation of a perpendicular bisector |
| **Geometry** |
| Area of a trapezium | Plans and elevations |
| Volume problem | Area of compound shape |
| Pythagoras to find area of a triangle | Constructions |
| Find diameter from circumference | Angle properties |
| Similarity | Circle theorems |
| Length of an arc | Congruency |
| Area and volume scale factor |  |
| **Statistics and probability** |
| Probability sum | Stem and leaf and Venn diagrams |
| Scatter graphs | Box plots |
| Cumulative frequency diagrams | Stratified random sample |
| Probability including tree diagram | Histograms |
| Capture/recapture |  |