**Subject Level Boundary Template**

| Department | Mathematics | Year Group | 8 | Assessment | Assessment 1 - 6 |
|---|---|---|---|---|---|

| Level | Assessment Summary |
|---|---|
| **Level 1** | At KS3 students in Mathematics will have 12 mini assessments throughout the year.<br><br>Year 8 Assessments 1 to 6 in Mathematics covers the content covered between September and February.  Students should ensure they bring their maths equipment, which includes pen, pencil, ruler, protractor, pair of compasses and calculator. |
| **Level 2** | During this unit, students will:<br>• Learn about the laws of indices<br>• Recognise square and cube numbers<br>• Multiplication of integers, decimals and fractions |
| **Level 3** | • How to estimate answers to problems<br>• How to use a calculator<br>• Expanding and factorising single algebraic brackets<br>• How to solve problems with angles on parallel lines<br>• Solve problems with the area of trapeziums and circles |
| **Level 4** | The table below identifies the MathsWatch videos for these topics.  Students can use this both in preparation for the assessments and for review of their performance.  To do this log in to MathsWatch entering their username and password. |
| **Level 5** | There are two tiers of assessment: Foundation and Higher.  The boundaries required to reach each level will be shared with the students following their assessment. |

**Subject Level Boundary Template**

| Topic | MathsWatch clip |
|---|---|
| Laws of indices | 82 |
| Square and cube numbers | N25 |
| Multiplication and division of integers | N15a |
| Multiplication and division of decimals | N15b |
| Multiplication and division of fractions | N42a |
| Estimation | N43a and N43b |
| Using a calculator | N44 |
| Negative numbers | N19a and N19b |
| Inequality statements | A20a |
| Expanding single brackets | A8 |
| Factorising single brackets | A9 |
| Solving equations | A12 |
| Sequences | A11a, A11b and A11c |
| Construct triangles | G10 |
| Angles in parallel lines | G18 |
| Conversion between km and miles | R2 |
| Area of trapeziums | G20b |

**Subject Level Boundary Template**

| Area of circles | G22b |
|---|---|
| Circumference of circles | G22a |