**10b4 / 10a5 / 10b6 / 10a7 – Follow the links below to Mymaths tasks**

**Half-Term 2**

**Algebraic Tinkering**

**6th November – 10th November**

|  |  |
| --- | --- |
| **Topic Area** | **Chapter Link** |
| Multiplying out brackets | <https://app.mymaths.co.uk/171-lesson/single-brackets> |
| Factorising single brackets | <https://app.mymaths.co.uk/173-lesson/factorising-linear> |
| Identities | <https://app.mymaths.co.uk/1781-lesson/identities>  |
| Expanding double brackets | <https://app.mymaths.co.uk/172-lesson/brackets>  |
| Factorise quadratics x2 + bx + c  | <https://app.mymaths.co.uk/174-lesson/factorising-quadratics-1>  |

**Proportional Reasoning**

**13th November – 1st December**

|  |  |
| --- | --- |
| **Topic Area** | **Chapter Link** |
| Direct Proportion | <https://app.mymaths.co.uk/1789-lesson/direct-proportion>  |
| Inverse Proportion | <https://app.mymaths.co.uk/1790-lesson/inverse-proportion>  |
| Scaling and Rate problems | <https://app.mymaths.co.uk/5791-lesson/scaling-and-rate-problems>  |
| Ratio | <https://app.mymaths.co.uk/160-lesson/ratio-dividing-2>  |
| Density | <https://app.mymaths.co.uk/297-lesson/density>  |
| Speed | <https://app.mymaths.co.uk/296-lesson/speed>  |

**Pattern Sniffing**

**4th December – 22nd December**

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| --- | --- |
| **Topic Area** | **Chapter Link** |
| Recognising Sequences | <https://app.mymaths.co.uk/1787-lesson/recognising-sequences>  |
| Quadratic Sequences | <https://app.mymaths.co.uk/239-lesson/quadratic-sequences>  |
| Generate Sequences | <https://app.mymaths.co.uk/1786-lesson/generating-sequences>  |

School Username : **kingshill** Password : **multiply**

**10a1 / 10b2 / 10a3 – Search these codes on Sparxmaths**

**Half-Term 2**

**Mathematical Movement : 6th November – 14th November**

|  |  |
| --- | --- |
| **Topic Area** | **Sparxmaths tasks** |
| Reflecting shapes | U799 |
| Rotating shapes | U696 |
| Translating shapes | U196 |
| Enlarging shapes | U519 |
|  | U314 |
| Combined transformations  | U766 |
| Similar shapes | U551 |
|  | U578 |

**Algebraic Proficiency : 15th November – 5th December**

|  |  |
| --- | --- |
| **Topic Area** | **Sparxmaths tasks** |
| Algebraic fractions | U685 |
|  | U457 |
|  | U824 |
| Expanding triple brackets | U606 |
| Expanding brackets with surds | U872 |
|  | U633 |
|  | U338 |
|  | U499 |
| Factorising quadratics | U178 |
|  | U963 |
|  | U858 |
| Simplifying by factorising | U103 |
|  | U437 |
|  | U294 |
| Rearranging formula | U184 |
|  | U556 |

**Proportional reasoning : 6th December – 22nd December**

|  |  |
| --- | --- |
| **Topic Area** | **Sparxmaths tasks** |
| Algebraic direct proportion | U721 |
|  | U640 |
|  | U407 |
| Algebraic inverse proportion | U357 |
|  | U364 |
|  | U138 |
| Graphs of direct and inverse proportion | U238 |
| Solving fractions/percentage/ratio problems | U928 |
|  | U481 |
| Density | U910 |
| Pressure | U527 |
|  | U842 |
| Speed | U151 |