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**Mathematics Faculty**

**Year 11 Higher - Autumn Term 2**

**Unit 6 Overview – Functions**

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| **Topic** | **Key Ideas** | **Progress** | | |
| **R** | **A** | **G** |
| **Functions** | I can use function notation. |  |  |  |
| I can substitute into functions. |  |  |  |
| I can solve equations using function notation. |  |  |  |
| I can find composite functions. |  |  |  |
| I can find inverse functions. |  |  |  |
| I can transform functions by reflecting and translating. |  |  |  |

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| **Lesson** | **Learning Focus** | **Assessment** | **Key Words** |
| **1** | Using function notation. **Substituting values into a function.** Solving equations using function notation. | Formative assessment strategies e.g. MWBs, whole class questioning, Diagnostic Questions, SLOP time with self-assessment, Live Marking etc.  Assessment is also supported with our use of ILOs, set through Century Learning, Corbettmaths, Dr Frost Maths and Justmaths.  Finally, units are assessed through staples challenges and half termly assessments, as part of our Assessment Calendar in Mathematics. | function, notation, substitute, equation, solve |
| **2** | **Finding composite functions (CM clip 370)** | function, composite, substitute, value |
| **3** | **Finding inverse functions (CM clip 369)** | function, inverse, substitute, value |
| **4** | Transforming functions by reflection (CM clips 323 & 324) | function, transform, reflect, axis, negative |
| **5** | Transforming functions by translation (CM clips 323 & 324) | function, transform, translate, axis, direction |