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| **Core Knowledge Map** |
| Subject: Mathematics | Year: 7 | Term: Autumn 1 |
| What are we learning? |
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| How will I be assessed  |
| Topic Test at the end of the unit. |
| Big questions: |
| How is a linear sequence different to a non-linear sequence?What do you look for in a sequence to tell you if it is a linear sequence?How would you explain the difference between an arithmetic and geometric sequence?Do geometric sequences always grow faster than arithmetic sequences? |
| How does this build on previous learning? | How will this link to my future learning? |
| Pattern spotting from KS2Finding differences by using subtraction.Addition and multiplication.Plotting coordinates. | Generating sequences by using algebraic rules.Finding algebraic rules for linear sequences. |
| Core knowledge: | Key vocabulary: |
| Linear or arithmetic sequence – constant difference between terms.A linear sequence is a straight line in graphical form.A non-linear sequence is a curved line in graphical form.Geometric sequence – constant ratio between terms.Fibonacci sequence – add two previous terms to generate the next term. | SequenceTermPositionRuleTerm-to-termLinearNon-linearArithmeticGeometricFibonacci |
| Need more help? Use the Sparx Independent Learning Codes above |