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| **Unit A1**  **Sequences** | | **Year 8 Road Map** | | | | |
| In this unit you will learn about Sequences  **S**: Support  **C**: Core  **E**: Extension | | | | | | |
| **S/N** | **Differentiation** | **Learning Goals/Outcomes/Content** | **Mathswatch Clip** | **R** | **A** | **G** |
| 1 | S | Use mapping or function machines to generate missing input, output or function | 36 |  |  |  |
| 2 | S | Use Term-to-term rules to find missing terms of sequences (A3.1, A4.1) | A11 |  |  |  |
| 3 | S | Generate sequence from its term-to-term rule (A4.1, A5.1) | 37 |  |  |  |
| 4 | C E | Generate non-linear sequences, e.g., Fibonacci sequences; square and cube number sequences, triangular numbers | A22 |  |  |  |
| 5 | S C E | Generating sequences from its nth term (A4.1, A5.1) | A11c  102 |  |  |  |
| 6 | C E | Finding the nth term of sequences and use it to find missing terms (A4.1, A5.1) | 103 |  |  |  |
| 7 | S C E | Generate sequences from practical context and use it to solve problems | N12 |  |  |  |
| 8 | E | Generate missing terms of a quadratic sequence | A23b |  |  |  |
| 9 | C E | Use nth term formula with ICT to generate sequences (A4.3, A5.1) | 104 |  |  |  |
| 10 | E | Use the nth term to decide if a number is a term in a sequence or not |  |  |  |  |
| 11 | S C E | Solving unstructured problems. | A11 |  |  |  |

Student’s comments or questions