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| **Unit A1**  **Sequences** | | **Year 7 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 | Identify different number patterns. E.g., multiples of 3, even numbers, square numbers, etc. (A2.1, A3.1) | N10, N11, N30a |  |  |  |
| 2 | S | Use term-to-term rules to find missing terms of sequences (A3.1, A4.1) | A11a |  |  |  |
| 3 | S C | Generate sequence from its term-to-term rule (A4.1, A5.1) | A11a |  |  |  |
| 4 | S C E | Generate non-linear sequences, e.g., Fibonacci sequences; square and cube number sequences, triangular numbers | A22 |  |  |  |
| 5 | S C E | Use Position-to-term rules to find missing terms and function (A4.1, A5.1) | A11b |  |  |  |
| 6 | S C E | Generating sequences from its nth term (A4.1, A5.1) | A11c |  |  |  |
| 7 | C E | Finding the nth term of sequences and use it to find missing terms (A4.1, A5.1) | A11c |  |  |  |
| 8 | S C E | Identify pattern from diagrams and apply it | A11a-c |  |  |  |
| 9 | S C E | Using ICT to generate sequences (A4.3, A5.1) |  |  |  |  |
| 10 | S C E | Work out a function from several patterns (A4.3) |  |  |  |  |
| 11 | E | Solving unstructured problems | 104 |  |  |  |

Student’s comments or questions