

Unit 2c: Algebra

Year 9 Road Map

In this unit you will learn about number. The aims are as follows:

LG1: Knowledge

LG2: Application

LG3: Skills

Themes		Learning Goals/Outcomes/Content	Dr Frost Clips	 R	 A	 G
2c) Sequences						
1	SCE	Recognise simple sequences including at the most basic level odd, even, triangular, square and cube numbers and Fibonacci-type sequences;	202a 202b			
2	SCE	Generate sequences of numbers, squared integers and sequences derived from diagrams;	203e 203f			
3	SCE	Describe in words a term-to-term sequence and identify which terms cannot be in a sequence;	203r			
4	SCE	Generate specific terms in a sequence using the position-to-term rule and term-to-term rule;	203m			
5	SCE	Find and use (to generate terms) the n th term of an arithmetic sequence;	205a			
6	CE	Use the n th term of an arithmetic sequence to decide if a given number is a term in the sequence, or find the first term above or below a given number;	204a 204b			
7	CE	Identify which terms cannot be in a sequence by finding the n th term;	205h			
8	CE	Continue a quadratic sequence and use the n th term to generate terms;	204c			
9	E	Find the n th term of quadratic sequences;	369			
10	E	Distinguish between arithmetic and geometric sequences;	203p 203s			
11	SCE	Use finite/infinite and ascending/descending to describe sequences;	206a			
12	E	Recognise and use simple geometric progressions (rn where n is an integer, and r is a rational number > 0 or a surd);	203l 335j			
13	E	Continue geometric progression and find term to term rule, including negative, fraction and decimal terms;	203o			
14	SCE	Solve problems involving sequences from real life situations.	206e 369l			

Student's comments and questions:

