

Flying Start to A-level Maths: suggested 10-week schedule

Note: The durations shown are just the running times of the video recordings. Working through them properly – pausing to complete the questions set – will take considerably longer, and then there’s the worksheet for each lesson for you to do as well. About an hour’s worth of video is allocated to each week, but that’s likely to equate to, typically, 3-4 hours of study in total.

Lesson	Topic	Duration	Week	Target date	Revisited
Part 1	Fractions, surds indices, vectors				
1a	Fractions	00:21:21	1		
1b	Surds	00:19:13	1		
1c	Indices	00:12:05	1		
1d	Vectors	00:16:26	10		
Part 2	Algebra				
2a	Algebra basics	00:18:48	1		
2b	Solving equations/inequalities	00:25:15	2		
2c	Simultaneous equations	00:16:48	2		
2d	Changing the subject	00:12:48	2		
2e	Functions	00:29:05	3		
2f	Factorising quadratics	00:29:54	4		
2g	Quadratics: completing the square etc.	00:32:45	4		
2h	Algebraic fractions	00:22:32	5		
2i	Algebraic proof	00:06:38	5		
2j	Sequences	00:25:51	5		
Part 3	Coordinate geometry and graphs				
3a	Straight lines	00:26:49	3		
3b	Quadratic graphs	00:17:46	4		
3c	Inequality graphs	00:12:07	6		
3d	Graph shapes and transformations	00:30:58	6		
Part 4	Trigonometry				
4a	Pythagoras	00:11:22	2		
4b	SOHCAHTOA	00:15:39	7		
4c	Exact trig values and trig graphs	00:31:41	7		
4d	Triangle formulae: sine rule, cosine rule, area	00:16:56	7		
Part 5	Statistics: Data handling				
5a	Sampling and data types	00:17:11	8		
5b	Averages and spread	00:23:15	8		
5c	Histograms	00:24:41	8		
5d	Cumulative frequency and box plots	00:13:12	8		
Part 6	Statistics: Probability				
6a	Probability basics, Venn diagrams, sets	00:28:07	9		
6b	Tree diagrams, addition law, 2-way tables	00:18:27	9		
6c	Conditional probability, multiplication law	00:12:33	9		
Part 7	Mechanics				
7a	Travel graphs	00:21:39	10		
7b	Forces and Newton's laws	00:18:27	10		

You may wish to fill in the “Target date” column to fit your personal schedule, and the “Revisited” column to keep track of when you’ve revisited a topic – perhaps by re-doing the worksheet after a week or two’s break.