

Year 13 2020/2021

Academy Week	Week beginning	Further Maths
6	21st Sep	Core Pure - lesson 1, review test using worked solutions Lesson 2 - Method of Differences Pages 32-37. Complete ex 2a D1 - Chapter 8.3 Read through examples and complete Exercise 8C Section 5.3 Review any examples pages 108 – 112 and complete exercise 5C FM1 -
7	28th Sep	Lesson 1 -Higher derivatives Pages 38-39. Complete ex 2b. Lesson 2 Maclaurin Series Pages40-43. Complete ex 2c. D1 - Chapter 8.4 Read through examples and complete Exercise 8D the mixed exercise page 115 FM1 - Start
8	5th Oct	Lesson 1 Series expansions Pages 44-47 Complete ex 2d. Lesson 2 -review of series, complete mixed exercise page 48. D1 - Chapter 8.5 Read through examples and complete Exercise 8E Complete the mixed exercise page 115 FM1 -
1	26th Oct	Lesson 1 -Series Assessment. Lesson 2 assessment feedback D1 - Chapter 8.6 Read through examples and complete Exercise 8F Chapter 5 unit test FM1 -
2	2nd Nov	Lesson 1 - polar cooordinates Pages 101-104 complete ex 5a. Lesson 2 sketching curves Pages 105-108 complete ex 5b D1 - Chapter 8.7 Read through examples and complete Exercise 8G test review and feedback. FM1 - Unit
3	9th Nov	Lesson 1 Area enclosed Pages 109-111 complete ex 5c. Lesson 2 Tangents to curves Pages 113-116. Complete ex 5d D1 - Chapter 8.8 Read through examples and complete Exercise 8H section 3.1 pages 38 -44 complete exercise 3A FM1 - Read
4	16th Nov	Lesson 1 review polar curves complete mixed ex page 116. Lesson 2 polar curves assessment D1 - Chapter 8 Mixed Exercise - Work through the mixed exercise 8 , please check soultions using solutionbank FM1 - Read section 3.2 pages 46 -47 complete exercise 3B
5	23rd Nov	Core Pure - improper integrals Pages 53-57 complete exercise 3A D1 - Review 2 Exercise - Complete Questions 1 - 5 on page 259 section 3.3 pages 49 -50 complete exercise 3C FM1 - Read

<b>6</b>	<b>30th Nov</b>	Core Pure - The mean value of a function. Pages 58-61. Complete ex 3b D1 - Review 2 Exercise - Complete Questions 14 - 24 on page 264 Read section 3.4 pages 51 -54 complete exercise 3D	FM1 -
<b>7</b>	<b>7th dec</b>	Core Pure - Differentiate Inverse trig functions. Pages 62-64. Complete ex 3c D1 - Complete the Exam Style AS practise paper page 269 Mixed exercise 3 page 56	FM1 - Start
<b>8</b>	<b>14th Dec</b>	Core Pure - Integrating inverse trig functions. Pages 65-67. Complete ex 3d D1 - Chapter 7.1 Read through examples and complete Exercise 7A Complete Mixed exercise 3 page 56 – it time move onto Review exercise 1 page 59	FM1 -