

## Year 12 curriculum: Term 5 week 5 – w/c 22.06.20

### Subjects: Mathematics

Each lesson you need to watch the video FIRST and make notes. The complete the entire exercise AND mark your work using the worked solutions

#### Lesson 1

Objective	Year 2 Pure - Radians
Chapter	5.4
Task	Watch the video, complete the exercise AND check your answers
Exercise	5E
Solutions	<a href="https://activeteach-prod.resource.pearson-intl.com/r00/r0069/r006953/r00695306/current/alevelsb_p2_ex5e.pdf">https://activeteach-prod.resource.pearson-intl.com/r00/r0069/r006953/r00695306/current/alevelsb_p2_ex5e.pdf</a>

#### Lesson 2

Objective	Year 2 Pure - Radians
Chapter	5.5
Task	Watch the video, complete the exercise AND check your answers
Exercise	5F
Solutions	<a href="https://activeteach-prod.resource.pearson-intl.com/r00/r0069/r006953/r00695308/current/alevelsb_p2_ex5f.pdf">https://activeteach-prod.resource.pearson-intl.com/r00/r0069/r006953/r00695308/current/alevelsb_p2_ex5f.pdf</a>

#### Lesson 3

Objective	Year 2 Pure – Functions
Chapter	2.1
Task	Watch the video, complete the exercise AND check your answers
Exercise	2A
Solutions	<a href="https://activeteach-prod.resource.pearson-intl.com/r00/r0069/r006952/r00695260/current/alevelsb_p2_ex2a.pdf">https://activeteach-prod.resource.pearson-intl.com/r00/r0069/r006952/r00695260/current/alevelsb_p2_ex2a.pdf</a>

## Lesson 4

Objective	Year 2 Pure – Functions
Chapter	2.2
Task	Watch the video, complete the exercise AND check your answers
Exercise	2B
Solutions	<a href="https://activeteach-prod.resource.pearson-intl.com/r00/r0069/r006952/r00695262/current/alevelsb_p2_ex2b.pdf">https://activeteach-prod.resource.pearson-intl.com/r00/r0069/r006952/r00695262/current/alevelsb_p2_ex2b.pdf</a>

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### Subjects: Further Mathematics

Module	Task
Core Pure Lesson 1	<b>Core Pure 2 Objective</b> –Chapter 1.1 Exponential form of complex numbers <b>Task</b> – watch the video on Chapter 1.1 and complete exercise 1A. Check your work using the worked solutions
Core Pure Lesson 2	<b>Objective</b> -Chapter 1.2 Multiplying and dividing complex numbers <b>Task</b> – watch the video on Chapter 1.2 and complete exercise 1B. Check your work using the worked solutions
Further Mechanics	<b>Chapter 4 Elastic Collisions in one D</b> <b>Objective</b> – Understand loss of ke in these systems <b>Task</b> – Watch the video 4.3 found in the year 12 Team under Further Maths and FM, then complete Exercise 4C and check your answers using the solutions <a href="https://activeteach-prod.resource.pearson-intl.com/r00/r0072/r007257/r00725779/current/alevelsb_fm1_ex4c.pdf">https://activeteach-prod.resource.pearson-intl.com/r00/r0072/r007257/r00725779/current/alevelsb_fm1_ex4c.pdf</a>
Decision 1	<b>Chapter 6 Linear Programming</b> <b>Objective</b> – Chapter 6 Linear Programming Recap

	<b>Task</b> – Complete the Mixed Exercise on Chapter 6 page 167. Check your work using the worked solutions.
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