Christmas Home Learning Challenges



GCSE SUBJECT: Mathematics – 11xyma1-2 Mrs Joseph

**CHECKLIST**

Topic Priorities from the Mock Exam:

* Exact Trig values MW clip 173

* Simultaneous Equations MW clip 140, 162 and 211
* Straight Line Graphs MW clip 96, 159A and 159B

**HOME LEARNING TASK:**

Complete the practice paper attached on satchel one.

I have chosen a paper 1 as it covers many of the topics we have covered through year 10 and 11. Please use the MW clip to assist your revision.

**Subject Enrichment Challenge:**

Something to watch / listen: [insert link / reference to podcast / video]

‘Trigonometry’ - Mathswatch video clip 168, 173, 195a, 195b, 196b, 202a, 202b, 218 and 203

Corbett maths: <https://corbettmaths.com/2013/03/30/trigonometry-introduction/>

<https://corbettmaths.com/2013/05/03/sine-rule-missing-sides/>

<https://corbettmaths.com/2013/04/04/cosine-rule-missing-sides/>

Please watch them and make notes as pre-learning. You can also have a go at the interactive questions on Mathswatch.

**Making Notes: Wider Reading (Enrichment Challenge)**

Use the following template to help you make notes on each article / lecture / podcast that you engage with to develop your understanding of the subject’s key ideas and concepts and to apply it to your study in lesson.

**Summary:** *Summarise the knowledge you have now learnt relating to this topic.*

**Key Ideas:** *In this section, record the main ideas explored in the text. Consider key words and vocabulary, questions, comments and the big ideas which the text explores.*

Notes: I*n this section, write notes from the article / video / podcast. Try to keep your writing in note-form. This will ensure you can record as much information as possible. You could write a worked example question with the steps to solving this*

**My Question:**

*(Write your own question which can be solved by someone else in your class in January.)*

Name:

Subject & Topic: