**Year 11 Work for the 13th January**

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| **Subject** | **Work Set** |
| **English** | **IGCSE English Second Language**  You have recently been made to wait for a long time. Write an email to your friend about this experience.   * Explain what happened * Describe how you felt * Describe how you felt when you went home |
| **Maths** | Yr 11 Core: Section 10.5 Page 317. Exercise 13  Yr 11 Extended: Exercise 10A / Exercise 10B |
| **Biology** | Use the textbook, pages 227-229 and answer all the exam questions on all 3 pages in preparation for your extended homework. |
| **Chemistry** | Students to complete their independent calculations using their 16 page booklets already received. |
| **Physics** | See below this table |
| **Business** | Using your textbooks, you need to begin to revise the whole of the Finance section. This includes sources of finance, cashflow forecasts, balance sheets, income statements and ratio analysis. Use your textbook for reference. |
| **Economics** | You should begin your revision for the final exam. From the 8 topics you have chosen you need to use your textbook to revise. You should use a range of techniques e.g. flashcards, making notes, recall etc. |
| **Spanish** | Find the GCSE Spanish Speaking booklet that you were given last term (it has 2 black speech bubbles on the cover and blank lines for you to fill in your answers to questions). Go through Theme 1 – Translate the questions then prepare an answer for each question in Theme 1 Identity and Culture. |
| **Art** | Students will continue with their refinement of final painting which will be drawn on Monday and Tuesday – starting to paint as soon as drawn. The exam project will commence as soon as this is completed.  After school art will start this week on Tuesday & Wednesday from 3-5pm and all students are expected to attend at least one session per week. |
| **Geography** | Students should go the classroom website [www.mrsralphsclassroom.com](http://www.mrsralphsclassroom.com) continue to take notes from the slides on the below topics for the next lesson. Complete all tasks and questions on the slides.  Year 10: Plate Tectonics |
| **History** | 1) complete any targets in workbook  2) create a detailed mind map of what you have learnt on the Cold War so far  3) read chapter 12 of your Blue textbook  4) continue working through unit booklet received before the break. |
| **Computer Sci** | Revise for topic test next week (ethics / security chapters). |
| **Arabic and Islamic** | Arabic 1  Read the story that you have written and write a summary.  Arabic 2- Beginners  Practice new vocabulary for the spelling test.  Arabic 2- Advanced  Finish the Project you started in the lesson. |
| **Psychology** | * Read and make notes on Correlations- description and evaluation (strengths and weaknesses) * If finished, describe and evaluate observations |

**Year 11 Physics**

**903 Speed, Frequency and Wavelength**

On a new sheet of lined A4 paper, write the date and today’s lesson number and title. Complete all of the following work on your note paper:

|  |  |  |
| --- | --- | --- |
|  | **Transverse Wave** | **Longitudinal Wave** |
| *Direction of disturbance relative to direction of propagation* |  |  |
| *What features move along the wave?* |  |  |
| *What represents the wavelength?* |  |  |
| *Examples* |  |  |
| *What does the amplitude represent?* |  |  |

1. Complete the following table:

2. Read topic 14.2 Speed, frequency and wavelength on pp. 205 – 206.

3. Complete questions 14.8 to 14.12 on p. 206.

4. Copy and complete the following paragraph in your folder notes:

*Waves usually change \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ when they travel from one medium into another. However, in such cases, their \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ remains the same.*

*Water waves in shallow water have a shorter wavelength, so since v = fλ, then the speed of water waves is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ in deeper water than in shallow water.*

**Remember: Shallow water: Short λ : Slow speed**