



# PHYSICS

## A LEVEL

### SUMMER ASSIGNMENT:

**Our first topic in September will be Particles and Quantum Physics. Pre-learning will make you ready for class, confident in the classroom and ready with questions. This Summer work is your pre-learning for the first lesson of Physics:**

#### Task 1

You will watch two videos, read summary notes and look at worked examples.

1. Atomic structure and properties:

<https://www.youtube.com/watch?v=ovRsLFGng6A>

2. Specific charge:

<https://www.youtube.com/watch?v=2ZPrUaW1kKg>

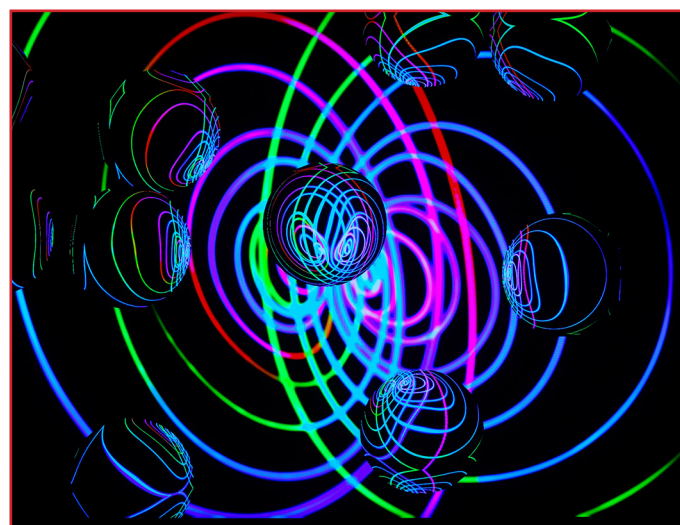
3. Summary of topics:

a. <https://mmerevise.co.uk/a-level-physics-revision/atomic-structure/>

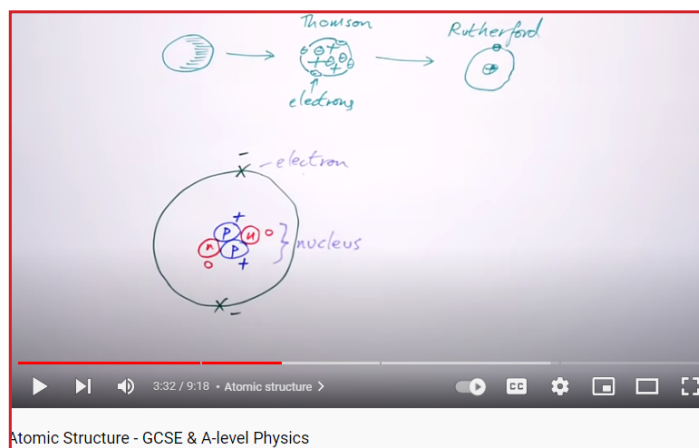
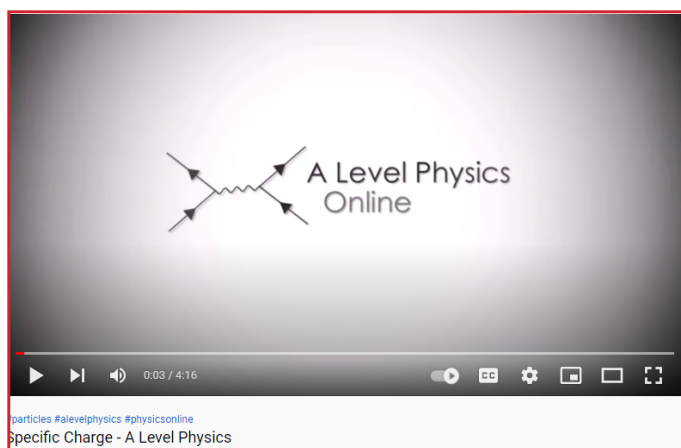
b. <https://mmerevise.co.uk/a-level-physics-revision/isotopes-and-specific-charge/>

By the end of the videos and summary you should know:

- The structure of the atom
- What an isotope is
- The mass and charge of protons, neutrons and electrons



Start with the following video lessons (note that video two is for those who feel brave enough!):





## Task 2

Only complete this task once you've done the pre-learning in Task 1.

Click on the link or scan the QR code to join the Seneca class to complete your assignment.

<https://app.senecalearning.com/dashboard/join-class/lha88jdwya> If you already have an account, you can join the class with the code: **lha88jdwya**



To join Sajib's class: Year 11 Bridging Class 2023

1. Go to the website: [app.senecalearning.com/join-class](https://app.senecalearning.com/join-class)
2. Sign up as a student
3. Type in the class code: **lha88jdwya**

Or scan the QR code with your phone



Once you have joined you should be able to complete the assignment set:

### Summer Bridging Assignment

Physics: AQA A Level

**Start:** 12 Jun 2023 12:00

**Due:** 8 Sep 2023 12:00

Take a screenshot of your scores when complete!