

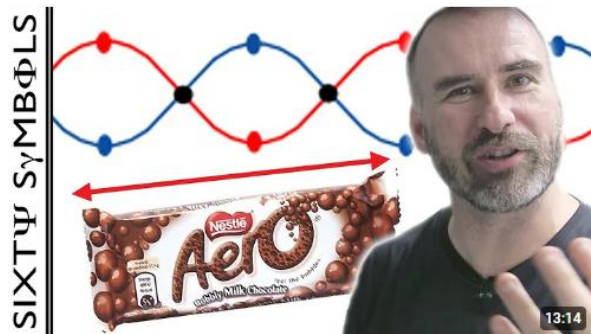
1) To get a head start on the new particle physics and quantum phenomena topics while revising Key GCSE content watch this documentary:

[Atom: Clash of Titans \(Jim Al-Khalili\) | Science Documentary | Reel Truth Science - YouTube](#)



Task: Pick one topic from this documentary, it could be a concept such as electron energy levels or the discovery of the nucleus or a historic physicist such as Albert Einstein or Neils Bohr.

Write a one page report or poster about the topic that most interests you.



2) This episode from the great A level Physics resource “Sixty Symbols” will help you start thinking about how experimental physics is used to actually answer questions (this one is how to measure the speed of light in your kitchen!)

[Measuring Error Bars with Aero Bars - Sixty Symbols \(youtube.com\)](#)

Task: Get some chocolate or buttered bread, follow the instructions from the episode above and calculate the speed of light in your kitchen!

3) Do you know where the most radioactive place on the planet is? You will after watching this clip!

[The Most Radioactive Places on Earth \(youtube.com\)](#)



Task: Physics can take you to all sorts of places across the world, write a reflective page on why you are studying physics and what careers you think it will help you with in the future.