

YEAR 13 TRANSITION: PHYSICS

Happy Summer everyone. To keep your brains ticking over please can you complete the following tasks and bring them to your first lesson back in September.

Happy Summer ☺

1. **Research** how Scientists discovered absolute zero - -273.15C .
 - What prac did they carry out? How did they carry this out? What is the significance of this finding?
2. **Exam questions** - Complete the exam questions on simple harmonic motion which can be found on Show my Homework
3. **Create a fact sheet on Nuclear Physics** using your GCSE notes -
 - What can you remember about alpha, beta and gamma?
 - How are they formed?
 - What are their dangers and uses?
4. **REVISION OF YEAR 12 CONTENT** (You will sit the Year 12 Examination at the end of September as an in-class assessment and need to be prepared!)
 - Use the retrieval assessment to self-test
 - Complete all the questions on assessed homework and exams that you got incorrect and self-assess
 - Complete unanswered questions from lesson booklets and self-assess