FAIRFAX
SINCERITAS LABORIS

YEAR 13 CURRICULUM INFORMATION – Physics

What will students be learning?

Teacher	Autumn HT 1	Autumn HT 2	Spring HT 1	Spring HT 2	Summer HT 1	Summer HT 2
ASH	Radioactivity	Nuclear Energy	Astrophysics		Electric and Gravitational Fields	
LCJ	Circular Motion	Simple Harmonic Motion	Thermal Physics	Gas Laws	Electromagnetic Induction	

How will students be assessed?

1. Summary question check after each "new input" lesson
2. Exam question practice sessions every second lesson
3. End of chapter test at the end of each topic
4. Six required practical assessments spread throughout the year (related to specific topics)
5. End of year examination in final half term

What employability skills are being developed?

- Critical thinking and reflection of personal learning
- Team working skills in problem solving scenarios
- Data analysis and interpretation
- Practical laboratory and fine motor skills

Wider Curriculum Links?

- Mathematics – Practical application of many topics covered (i.e. further mechanics and exponential increases/decreases)
- Engineering – Mechanical, electrical and nuclear types

What useful websites are there for this topic?

Click links for more info

Khan Academy | Physics Online | Physics and Maths Tutor | Save My Exams | AQA Specification

What wider reading could be done for this topic? **Click links for more info**	**Textbook** *(required)*: AQA A Level Physics Student Book (2nd Ed) **Practical Revision Guide:** AQA A-level Physics Student Guide: Practical Physics **Revision Guide and Workbook:** A-Level Physics AQA: Revision Bundle
What else can students be doing independently to develop their understanding of this topic? **Click links for more info**	**Review of Prior Learning:** Using the linked AQA specification above to RAG grade understanding and performance in end of topic tests. **Personal Revision:** Revisiting, reading and practising areas of difficulty identified by RAG grading. Use your textbook for this! **Exam Question Practice** *(made available by topic)*: Available on Microsoft Teams area after course enrolment.