Curriculum Overview – Year 11 Physics

Unit Title	Learning	How can parents best support?
P6 – Waves September to November	The Students will learn about: • Properties of Waves • Wave Speed • The Electromagnetic Spectrum • Reflection of waves (Triple only) • Sound Waves (Triple only) • Ultrasound (Triple only) • Seismic waves (Triple only) • Lenses (Triple only) • Visible light (Triple only) • Black Body radiation (Triple only)	Engage in scientific discussions Encourage the use of the Bitesize link below https://www.bbc.co.uk/bitesize/guides/zgf97p3/revision/1 Watch these video clips of required practicals: https://www.youtube.com/watch?v=OY0lXHPo_nM https://www.youtube.com/watch?v=LFwio38EK9s https://www.youtube.com/watch?v=tiqiN3y1ze4 (Triple only) Encourage use of knowledge organiser and retriever books Encourage completion of Tassomai homework
P7 – Magnetism November to December	The Students will learn about: • Permanent and Induced Magnets • Magnetic Fields • Electromagnets • Loudspeakers (Triple only) • Induced Potential (Triple only) • The Generator Effect (Triple only) • The National Grid (Triple only) • Transformers (Triple only)	Encourage the use of Tassomai homework completion Engage in scientific discussions Encourage the use of the Bitesize link below https://www.bbc.co.uk/bitesize/guides/z3s4qhv/revision/1 Encourage use of knowledge organiser and retriever books Encourage completion of Tassomai homework
P8 – Space Physics (Triple only) December to January	The Students will learn about: • Our solar system • Orbital motion of planets and satellites • The life cycle of stars	Encourage the use of Tassomai homework completion Engage in scientific discussions Encourage the use of the Bitesize link below

	• The Big Bang Theory • Evidence for The Big Bang Theory	https://www.bbc.co.uk/bitesize/guides/zt2fcj6/revision/1 Encourage use of knowledge organiser and retriever books Encourage completion of Tassomai homework
Revision Scheme of Work Paper 1 Revision	The students will revise over: P1 – Energy stores, efficiency, calculations and energy resources P2 – Electricity, series and parallel circuits, Ohm's law, electrical safety P3 – Particle model, density, specific heat capacity and specific latent heat	Use the following websites to consolidate learning and revise for assessments https://www.bbc.com/bitesize/topics/z89ddxs https://www.bbc.com/bitesize/topics/zcg44qt https://www.bbc.com/bitesize/topics/z3ybb82 Watch these video clips of required practicals: https://www.youtube.com/watch?v=X9cAcsDmo8w https://www.youtube.com/watch?v=ksPfzUjMbBk https://www.youtube.com/watch?v=lvqu6JAbaKc https://www.youtube.com/watch?v=loeRLKNeUsc Encourage use of knowledge organiser and retriever books Encourage completion of Tassomai homework
Paper 2 Revision	The students will revise over: P5 – Forces, motion, velocity, acceleration, stopping distances P6 – waves, the electromagnetic spectrum P7 – magnetism, electromagnetism	Use the following website to consolidate learning and revise for assessments https://www.bbc.com/bitesize/topics/ztmttv4 https://www.bbc.com/bitesize/topics/z2j22nb https://www.bbc.co.uk/bitesize/topics/zwkww6f

		Watch these video clips of required practicals: https://www.youtube.com/watch?v=J9-J0cFQCrE https://www.youtube.com/watch?v=QQCJeAqBumE https://www.youtube.com/watch?v=OY0lXHPo_nM Encourage use of Knowledge organiser and retriever books Encourage completion of Tassomai homework