

# Bellerive FCJ Catholic College



Department: Physics

Year Group: 13

**Bold indicates building on previous knowledge**

Term	Learning Focus	Key Knowledge and Skills	Assessment	Challenge and Enrichment
1	Further mechanics	Develop understanding of motion in a circle and the Simple harmonic motion. Complete Simple harmonic motion required practical	End of unit assessment	Booklets with additional questions, textbook with additional questions
	Thermal Physics	Develop understanding of thermodynamic and the ideal gas law. Complete ideal gas law required practical	End of unit assessment	
	Fields	Develop understanding of gravitational, electric and magnetic fields. Develop understanding of capacitors. Complete Charging capacitor required practical.	End of unit assessment	
	Turning points	Develop understanding of significant turning points in Physics including The discovery of the electron and wave-particle duality.	End of unit assessment	
2	Nuclear physics	Develop an understanding of the nucleus of an atom including radioactivity and nuclear energy.	End of unit assessment	Booklets with additional questions, textbook with additional questions
	Turning points	Develop understanding of significant turning points in Physics including special relativity.	End of unit assessment	
3	Review topics in preparation for exams			
