



Curriculum Overview

At ICC we follow the AQA Physics AS and A-level Specification. The curriculum is sequenced to be delivered by two members of teaching staff and each unit is mapped to the big ideas from our KS3 and KS4 curriculum. Each unit is assessed with end of topic summative assessments as well as half termly cumulative assessments and formative assessment throughout the course ensures retrieval of relevant content and supports students in making synoptic links. Opportunities to consider rich questions and reference to futures are made where relevant throughout the course in order to help our students understand the present and plan for their own future.

[Link to the specification](#)

[Link to the scheme of work](#)

		Teacher 1			Teacher 2		
		Topics	Practical's	Big idea	Topics	Practical's	Big idea
Autumn Term	First half	3.6.2 Thermal physics 3.7.1 Fields 3.7.2 Gravitational fields	Required practical 8		3.6.1 Periodic motion	Required practical 7	
	Second half	3.7.3 Electric fields			3.8.1 Radioactivity	Required practical 12	
Spring Term	First half	3.7.4 Capacitance 3.7.5 Magnetic fields	Required practical 9 Required practical 10 Required practical 11		3.8.1 Radioactivity		
	Second half	3.9.1 Telescopes 3.9.2 Classification of stars			3.9.3 Cosmology		
Summer Term	First half	Revision			Revision		
	Second half	Revision			Revision		