



# Cardinal Heenan Catholic High School

## Advice and Guidance for KS4 Students

This is a handy guide to A Level combinations and subject specific options for Cardinal Heenan students in Years 10 and 11 who are considering their options after taking their GCSES:

Degree Level Course	Essential A Levels	Useful A Levels
Accountancy	None but some universities require Maths	Maths, Business and Economics
Aeronautical Engineering	Maths and Physics	Further Maths, Design Technology
Architecture	None but some universities may look for an art/science mix	Art / Art or Design, Maths, Design Tech, Physics. *Portfolio of drawings maybe required
Art and Design	Art or Design Technology	*Entrants onto Art and Design degrees will have completed a one year Art Foundation Course after Year 11
Biochemistry	Chemistry	Biology, Maths, Further Maths, Physics. *Some universities will ask for Biology, Maths or Physics. Doing Chemistry, Biology and Maths or Physics will keep all Biochemistry courses open
Biology	Biology, Chemistry	Maths, Physics
Biomedical Sciences	Normally two from Chemistry, Biology, Maths and Physics	Further Maths
Business Studies	None	Maths, Business Studies and Economics
Chemical Engineering	Chemistry, Maths	Physics, Biology, Further Maths
Chemistry	Chemistry	Maths, Further Maths, Physics, Biology
Computing	Some universities may require Maths	Maths, Further Maths, Computing, Physics, Philosophy, ICT

Degree Level Course	Essential A Levels	Useful A Levels
Dentistry	Chemistry, Biology * some universities may require maths or physics	Maths, Physics, Further Maths
Drama	Some universities may require English, English Lit or Theatre Studies	English Literature
Economics	Maths	Economics
Electrical / Electronic Engineering	Maths, Physics	Further Maths, ICT, Design Technology
Engineering	Maths, Physics	Further Maths, Design Technology
English	English Literature / combined English Language and Literature	History, RE, Foreign Language
Environmental Science	Two from Biology, Chemistry, Maths, Physics and Geography	
Geography	Geography	Biology, Chemistry, Maths, Physics
Geology	2 from Maths, Physics, Chemistry, Biology	Geography, Geology
History	History	Economics, English Lit, Philosophy, Politics, Sociology, RE
Law	None	History *Some universities may also ask for English
Mathematics	Maths and sometimes Further Maths	Physics
Mechanical Engineering	Maths, Physics	Further Maths, Design Technology
Media Studies	Some universities will ask for English or Media Studies	Sociology, Psychology
Medicine	If you study Chemistry, Biology and one from Maths or Physics all medical options will be open to you. Chemistry and Biology will keep open the vast majority.	If you study Chemistry and one from Maths or Physics you will limit your choice

<b>Degree Level Course</b>	<b>Essential A Levels</b>	<b>Useful A Levels</b>
Music	Music	Essay based subject such as English, History
Pharmacy	Chemistry, Biology	Physics, Maths
Philosophy	None	Maths, RE, Philosophy
Physics	Maths, Physics	Further Maths, Chemistry
Physiotherapy	Biology	Chemistry, Maths, Physics, Psychology
Politics	None	Politics, History, Law, Philosophy, Sociology
Psychology	A few courses may ask for one of: biology, Chemistry, Maths, Physics	Sociology, Psychology
Religious Studies	None	RE, English Lit, History, Philosophy
Sociology	None	Sociology, Psychology, Geography
Sports Science / Physical Education	One from Biology, Chemistry, Maths, Physics *Some courses will treat PE as an equivalent	Psychology, Physical Education
Surveying	None	Maths, Physics
Teacher Training	Any	Any
Veterinary Science	Chemistry, Biology and one from Maths, Physics	Further Maths