

# YEAR 12 Learning Journey A-Level

ARCHBISHOP ILSLEY CATHOLIC SCHOOL



ENRICHMENT

Consolidation of  
Year 12 Work

Progress to  
Year 13



Half Term

AAFPOL 2

End of unit formative assessments  
used and kept for every pupil  
throughout the year

Use of AS Past  
papers to revise

Forces and  
Newton's Laws of  
motion

Motion under  
gravity and systems  
of multiple forces

Easter

Half Term

Probability and binomial  
distribution

Hypothesis testing on the  
binomial distribution

Spring 1  
Assessment

Motion under variable  
acceleration

Equations of constant acceleration and  
graphs of displacement and acceleration

Single and bivariate data  
models and representations

Collecting samples,  
central tendency

Vectors and  
i/j notation

Christmas

Rates of change,  
tangents, normal,  
turning points

Laws of Logarithms,  
exponential functions

Integration and  
area under the  
curve

AAFPOL 1

Half Term

Trigonometric  
identities and  
solving

Exponential  
process and curve  
fitting

Prerequisite  
test

Proofs, Indices, Surds

September  
Start



Differentiation  
including first  
principles

Equations of circles, lines,  
quadratics and inequalities

Polynomials, Binomial  
Theorem, Curve Sketching

# YEAR 13 Learning Journey A Level

ARCHBISHOP ILSLEY CATHOLIC SCHOOL



**EXAMS. GOOD LUCK!!!**

**Progress to  
Work/University**



Half Term

End of unit formative assessments  
used and kept for every pupil  
throughout the year

Use of A level past papers to revise.  
It is expected that students will have time to work through all the  
past papers and have time to ask questions, make improvements  
and retry topics they are finding more challenging. This will run until  
exams begin

Easter

Half Term

Static forces, dynamic  
forces and moments

Spring 1  
Assessment

Hypothesis testing  
on the Normal  
distribution

Approximating the  
Binomial from the  
Normal

Motion under gravity and other  
forces

Motion in 2D with either constant  
or variable accelerations

Christmas

Compound angles in  
trig

Product, quotient  
and chain rules

Inverse, implicit  
and parametric  
differentiation

Integration of rational  
functions, parametric  
& differential  
equations

Half Term

Differentiating  
exponentials  
and logs

Numerical root  
finding, and  
integration

Integration of trig, logs,  
by parts and by  
substitution

Probability on the  
Normal  
distribution

Autumn 1  
Assessment

Algebraic &  
partial fractions

Binomial Series,  
Arithmetic & Geometric  
sequences

September  
Start

Shape of functions and  
differentiating trig

Trig Identities & Radians

Further proofs, Functions  
& parametric

