



Baldragon Academy

Mathematics

Course Plan

Senior Phase

Higher

Change of Timetable

May - June

24 Periods (based on 4 weeks at 6 periods per week)

Revision of National 5

Learning Intention To be able to -	Periods
Essential Skills	2

Unit 1 - Expressions and Functions

Learning Intention To be able to -	Periods
Completing the Square	3
Synthetic Division	5
Composite Functions	6
Inverse Functions	2
Graph Transformations	5

Term 1

August - October

48 Periods (based on 8 weeks at 6 periods per week)

Unit 1 - Expressions and Functions

Learning Intention To be able to -	Periods
Vectors	10
Functions: Equations from Graphs	2
Radians	2
Compound/Multiple Angles	4
Wave Function	5
Logs/Exponentials inc. equations	4
Graphs of Logs/Exponentials	2

Unit 2 - Relationships and Calculus

Learning Intention To be able to -	Periods
Exponential Growth/Decay	3
Experimental Data Graphs	2
Factorising/Solving Polynomials	1
Intersection of lines and curves	3
Solving quadratic inequalities	1

*Flexibility for Exam Question periods and assessments

Term 2

October - December

48 Periods (based on 8 weeks at 6 periods per week)

Unit 2 - Relationships and Calculus

Learning Intention To be able to -	Periods
Trig Equations	
- Linear	1
- Multiple	2
- Compound (Inc. wave function)	2
- Quadratic	3
- Mixture	1
Differentiation (Inc. chain rule)	15
Sketching the derivative	1
Differentiation - Trig	2
Integration - NO AREA CONTEXT	6
Differential Equations	2
Integration - Trig	2

*Flexibility for Exam Question periods and assessments

Term 3

January - March

66 periods (based on 11 weeks at 6 periods a week)

Unit 3 - Applications

Learning Intention To be able to -	Periods
Integration: Area	5
Recurrence Relations	4
Prelims (usually end of January/start of February) Include revision time for prelim	5
Straight Lines (Inc. N5 Recap)	7
Circles	8
Optimisation	3

*Flexibility for Exam Question periods and assessments

N.B. Once course is finished, use the remainder of time to revise the course, do a second prelim and practice Exam and A/B type questions.