



FIRST EDUCATION

# HSC PROGRAM

## MATHS EXTENSION 1 (3 UNIT)

The **First Education HSC Mathematics Extension 1 (3 Unit) Program** is intended for the purpose of guiding HSC students through their HSC Maths studies at a slightly faster rate than what they are likely to experience in the classroom.

Passionately taught sessions in line with school  
Comprehensive notes with actual HSC Questions  
Weekly homework to consolidate learning  
Regular revision sessions and exam practice

Structure of each weekly session (2 hours)	
30 mins	Going through homework
30 mins	Session 1 content
5 mins	Quick break / Game
30 mins	Session 2 content
25 mins	Questions on Session 1 and 2 content

**\$96 per 2 hour weekly session.**

*At First Education **why** do we do what we do?  
To build the **passion** and **confidence** of our students so that they can **conquer** their goals!!*

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info@firsteducation.com.au  
Level 1, 158 Bondi Road Bondi  
Level 1, 295 Homer Street Earlwood  
Level 1, 830 Anzac Parade Maroubra  
Level 1, 902 Botany Road Mascot



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We start the Year 11 course  
in Year 10 Term 4  
to make sure we have  
a solid foundation!!

Year 10 Term 4	
Week 1	Methods in Algebra A
Week 2	Methods in Algebra B
Week 3	Revision
Week 4	Numbers and Surds A
Week 5	Fcts and Graphs A
Week 6	Fcts and Graphs B
Week 7	Fcts and Graphs C
Week 8	Revision
Week 9	Trans and Symmetry A
Week 10	Trans and Symmetry A

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Year 11 Term 1		Year 11 Term 2		Year 11 Term 3	
Week 1	Revision	Week 1	Calculus A	Week 1	Combinatorics A
Week 2	Further Graphs A	Week 2	Calculus B	Week 2	Combinatorics B
Week 3	Further Graphs B	Week 3	Calculus C	Week 3	Binomial Theorem A
Week 4	Revision	Week 4	Revision	Week 4	Further Rates A
Week 5	Trigonometry A	Week 5	Polynomials A	Week 5	Further Trig A
Week 6	Trigonometry B	Week 6	Polynomials B	Week 6	Further Trig B
Week 7	Trigonometry C	Week 7	$e$ and Radians A	Week 7	Further Trig C
Week 8	Revision	Week 8	$e$ and Radians B	Week 8	Revision
Week 9	Coordinate Plane A	Week 9	Revision	Week 9	Seq and Series A
Week 10	Expos and Logs A	Week 10	Probability A	Week 10	Seq and Series B
Hol 1	Expos and Logs B	Hol 1	Probability B	Hol 1	Revision
Hol 2	Revision	Hol 2	Disc Prob Dist A	Hol 2	Math Induction A

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## MATHS EXTENSION 1 (3 UNIT)

Year 11 Term 4	
Week 1	Graphs and Eqns A
Week 2	Graphs and Eqns B
Week 3	Curve Derivative A
Week 4	Curve Derivative B
Week 5	Curve Derivative C
Week 6	Integration A
Week 7	Integration B
Week 8	Integration C
Week 9	Calc Expos Logs A
Week 10	Calc Expos Logs B

Year 12 Term 1	
Week 1	Calc Trig A
Week 2	Calc Trig B
Week 3	Revision
Week 4	Vectors A
Week 5	Vectors B
Week 6	Vectors C
Week 7	Revision
Week 8	Projectile A
Week 9	Projectile B
Week 10	Further Calc A
Hols 1	Further Calc B
Hols 2	Revision

Year 12 Term 2	
Week 1	Diff Eqns A
Week 2	Diff Eqns B
Week 3	Revision
Week 4	Finance A
Week 5	Finance B
Week 6	Displ Int Data A
Week 7	Revision
Week 8	Continuous Prob A
Week 9	Binomial Dist A
Week 10	Revision

### Year 12 Term 3 and lead up to HSC

Practice exam papers to prepare for Trial and HSC exams

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