

Secondary Physics and Maths 2018

| Term 1 | IP / Sec 2 | IP / Sec 3 | | IP / Sec 4 | |
|---|-------------------------------|---|--|--|--|
| | Physics | Physics | Maths | Physics | Maths |
| Week 1 (1-7 Jan) | Measurement L1 \$45 | Measurement L1 \$50 | Indices L1 \$50 | Static Electricity Revision L1 \$50 | Techniques of Differentiation L1 \$50 |
| Week 2 (8-14 Jan) | Measurement L2 + KTOM \$45 | Measurement L2 \$50 | Surds L1 \$50 | Static Electricity Revision L2 \$50 | Functions L1 \$50 |
| Week 3 (15-21 Jan) | Light L1 \$45 | Mass Weight Density L1 \$50 | Surds L2 Quadratic Functions L1 \$50 | Current of Electricity L1 \$50 | Maxima and Minima L1 \$50 |
| Week 4 (22-28 Jan) | Light L2 + Atoms \$45 | Kinematics L1 \$50 | Quadratic Functions L2 \$50 | Current of Electricity L2 \$50 | Rate of Change L1 \$50 |
| Week 5 (29 Jan- 4 Feb) | Atomic Structures L2 \$45 | Kinematics L2 \$50 | Quadratic Functions L3 \$50 | Current of Electricity L3 \$50 | Differentiation of other Functions L1 \$50 |
| Week 6 (5 -11 Feb) | Atomic Structures L3 \$45 | Kinematics L3 \$50 | Exponential Functions L1 \$50 | Direct Current L1 \$50 | Differentiation of other Functions L2 \$50 |
| Week 7 (12 -18 Feb) | CNY | CNY | CNY | CNY | CNY |
| Week 8 (19 -25 Feb) | Chemical Changes L1 \$45 | Dynamics L1 \$50 | Polynomials L1 \$50 | Direct Current L2 \$50 | Revision on Applications of Differentiation L1 \$50 |
| Week 9 (26 Feb -4 March) | Chemical Changes L2 \$45 | Dynamics L2 \$50 | Polynomials L2 \$50 | Practical Electricity L1 \$50 | Revision on Applications of Differentiation L2 \$50 |
| Week 10 (5 -11 March) | Chemical Changes L3 \$45 | Dynamics L3 \$50 | Partial Fractions \$50 | Practical Electricity L2 \$50 | Integration L1 \$50 |
| March Holiday (12 – 18 March) | Electricity L1 \$45 | Light Wave L1 (Reflection & Refraction) \$50 | Logarithmic Functions L1 \$50 | Electricity Revision (COE + DC +Practical 1) \$50 | Integration L2 \$50 |
| March Holiday Additional Lesson. (12 – 18 March) | NA | NA | NA | Electricity Revision (Practical 2) \$50 | Integration L2 \$50 |

All classes are by default 2 hours (\$50).

**Special rate for workshop, unless stated otherwise.

| Term 2 | IP / Sec 2 | IP / Sec 3 | | IP / Sec 4 | |
|--------------------------|--|---|--|---|---|
| | Physics | Physics | Maths | Physics | Maths |
| Week 1 (19-25 Mar) | Electricity L2 \$45 | Light Wave L2 (Reflection & Refraction) \$50 | Logarithmic Functions L2 \$50 | Magnetism \$50 | Kinematics \$50 |
| Week 2 (26 Mar-1 Apr) | Revision (Atomic Structures and Chemical Formulas) \$45 | MYE Revision L1 (Measurement + Kinematics) \$50 | Coordinate Geometry \$50 | Electro-magnetism L1 \$50 | Area under graph L1 \$50 |
| Week 3 (2-8 Apr) | Revision (Energy Changes and Chemical Equations) \$45 | MYE Revision L2 (Dynamics) \$50 | MYE Revision Quadratic Functions \$50 | Electro-magnetism L2 \$50 | Area under graph L2 \$50 |
| Week 4 (9-15 Apr) | Revision (Light) \$45 | MYE Mock Paper Set A \$50 | MYE Revision Polynomials \$50 | Static Electricity (Secrets Enclosed) \$50 | Secret Enclosed on Trigonometry Part 1 \$50 |
| Week 5 (16-22 Apr) | Revision (Electricity) \$45 | MYE Mock Paper Set B \$50 | MYE Revision Indices and Surds + Term Test \$50 | COE & DC Part 1 \$50 | Secret Enclosed on Trigonometry Part 2 \$50 |
| Week 6 (23-29 Apr) | Forces L1 \$45 | MYE Mock Paper Set C \$50 | S3MA Mock Exam \$50 | COE & DC Part 2 \$50 | Secret Enclosed on Trigonometry Test \$50 |
| Week 7 (4-6 May) | Forces L2 \$45 | Moments L1 \$50 | MYE Revision Logarithmic Functions \$50 | COE & DC Part 3 \$50 | Trigonometry Graphs \$50 |
| Week 8 (7-13 May) | Electricity L3 \$45 | Moments L2 \$50 | (EM) Properties of Circles \$50 | Wave + EM Wave (Secrets Enclosed) \$50 | Indices and Exponential Equations \$50 |
| Week 9 (14-20 May) | Electricity L4 \$45 | Work Energy Power Lesson 1 \$50 | Equation of Circles L1 \$50 | Wave Lesson 2 (Sound Revision) \$50 | Logarithmic Functions and Equations \$50 |
| Week 10 (21-27 May) | BIOLOGY - Ecology L1 \$45 | Work Energy Power Lesson 2 \$50 | Equation of Circles L2 \$50 | Light Part 1 (Reflection + Refraction Revision) \$50 | Surds + Term Test on Indices, Expo and Log, Surds and Sim Equations \$50 |

| Term 2.5 JUNE HOLIDAYS | IP/ Sec 2 | IP / Sec 3 | | IP / Sec 4 | |
|------------------------------|----------------------------------|-----------------------|-----------------------------|---|--|
| | Physics | Physics | Maths | Physics | Maths |
| June Holiday Lesson 1 | BIOLOGY - Ecology L2 | Pressure L1 \$55 | Modulus Function \$55 | Light Part 2 (Thin Lens Revision) \$55 | Quadratic Functions \$55 |
| June Holiday Lesson 2 | BIOLOGY - Nutrient L1 | Pressure L2 \$55 | Linear Law \$55 | Electromagnetic Induction L1 \$55 | Differentiation \$55 |
| June Holiday Lesson 3 | BIOLOGY - Transport in Humans | Pressure L3 \$55 | Trigonometry L1 \$55 | Electromagnetic Induction L2 \$55 | Integration \$55 |
| June Holiday Lesson 4 | BIOLOGY - Transport in Plants | Kinetic Model \$55 | Trigonometry L2 \$55 | Electromagnetic Induction L3 \$55 | Term test On Calculus \$55 |
| June Holiday Lesson 5 | | | | Magnetism + EM Revision \$110 (4hrs Lessons) | Application of Differentiation \$110 (4hrs Lessons) |
| June Holiday Lesson 6 | | | | Measurement + Mass Weight, Density + Kinematics Revision \$110 (4hrs Lessons) | Integration Part 2 \$110 (4hrs Lessons) |

| Term 3 | IP / Sec 2 | IP / Sec 3 | | IP / Sec 4 | |
|---|---|-----------------------------------|---|--|--|
| | Physics | Physics | Maths | Physics | Maths |
| Week 1 (25-1 July) | Chemistry - Separation Techniques L1 \$50 | Thermal Physics L1 \$55 | (EM) Circular Measure \$55 | Electromagnetic Induction Lesson 4 \$55 | Polynomials \$55 |
| Week 2 (2-8 July) | Chemistry - Separation Techniques L2 \$50 | Thermal Physics L2 \$55 | (AM) Binomial Part 1 \$55 | Dynamics Year End Revision L1 \$55 | Binomial Theorem \$55 |
| Week 3 (9-15 July) | Physics - Sound \$50 | Thermal Physics L3 \$55 | (AM) Binomial Part 2 \$55 | Dynamics Year End Revision L2 \$55 | Linear Law \$55 |
| Week 4 (16-22 July) | Physics - Heat Transfer L1 \$50 | Thermal Physics L4 \$55 | (AM) Trigonometry Ratios \$55 | Moment Year End Revision \$55 | Coordinate Geometry \$55 |
| Week 5 (23-29 July) | Physics - Heat Transfer L2 \$50 | Wave Revision \$55 | (AM) Trigonometry Equations \$55 | WEP Year End Revision \$55 | Equation of Circles \$55 |
| Week 6 (30-5 August) | Physics - Work and Energy \$50 | Light EOY Revision \$55 | (AM) Trigonometry Identities \$55 | Pressure year End Revision \$55 | Plane Geometry \$55 |
| Week 7 (6-12 August) | Physics - Work and Energy L2 \$50 | Thin Lens EOY Revision \$55 | (AM) Trigonometry Graphs \$55 | Kinetic Model Year End Revision \$55 | Grade A – Differentiation Part 1 \$55 |
| Week 8 (13- 19 August) | Chemistry - Chemical Equations, Ionic Equations and Calculation \$50 | Pressure Revision L1 \$55 | (AM) Secret Enclosed – Expo & Log Fn L1 \$55 | Thermal Year End Revision L1 \$55 | Grade A – Differentiation Part 2 \$55 |
| Week 9 (20-26 August) | Revision: Atomic Structure \$50 | Pressure Revision L2 \$55 | (AM) Secret Enclosed – Expo & Log Fn L2 \$55 | Thermal Year End Revision L2 \$55 | Grade A – Integration Part 1 \$55 |
| Week 10 (27-2 September) | Revision: Chemical Changes \$50 | Thermal Revision L1 \$55 | (AM) Secret Enclosed – Coordinate Geometry \$55 | EMI Revision \$55 | Grade A – Integration Part 2 \$55 |

| SEPTEMBER HOLIDAYS | IP/ Sec 2 | | IP / Sec 3 | | IP / Sec 4 | |
|-----------------------|-------------------------------|---|--|-------------------------------|---------------------------------------|--|
| | Physics | Physics | Maths | Physics | Maths | |
| Sept Holiday Lesson 1 | Revision: Electricity \$50 | Sept Hol Special Workshop (4hrs) : Mechanics L1 \$110 | Sept Hol Special Workshop (4hrs) : Polynomials & Quadratic Fn L1 \$110 | Practical-P3 Training \$55 | Grade A - Trigonometry Part 1 \$55 | |
| Sept Holiday Lesson 2 | NA | Sept Hol : Mechanics L2 \$55 | Sept Hol Special Workshop (4hrs) : Polynomials & Quadratic Fn L2 \$55 | NA | NA | |
| Sept Holiday Lesson 3 | NA | NA | NA | NA | NA | |
| Sept Holiday Lesson 4 | NA | NA | NA | NA | NA | |
| Sept Holiday Lesson 5 | NA | NA | NA | NA | NA | |

| Term 4 | IP / Sec 2 | IP / Sec 3 | | IP / Sec 4 | |
|------------------------------------|---------------------------------------|-----------------------------|---------------------------------|--|---------------------------------------|
| | Physics | Physics | Maths | Physics | Maths |
| Week 1 (10-16 Sept) | Revision: Forces and Work \$50 | Overall Revision L1 \$55 | Mock Paper A \$55 | Final Year End Revision – Mechanics P1 \$55 | Grade A - Trigonometry Part 2 \$55 |
| Week 2 (17-23 Sept) | MOCK EXAM DISCUSSION SERIES A \$50 | Overall Revision L2 \$55 | Mock Paper B \$55 | Final Year End Revision – Wave \$55 | Mock Paper Lesson 1 \$55 |
| Week 3 (24-30 Sept) | MOCK EXAM DISCUSSION SERIES B \$50 | Overall Revision L3 \$55 | Mock Paper C \$55 | Final Year End Revision - Pressure + Thermal \$55 | Mock Paper Lesson 2 \$55 |
| Week 4 (01 – 07 Oct) | MOCK EXAM DISCUSSION SERIES C \$50 | Overall Revision L4 \$55 | Problem Solving Session \$55 | Final Year End Revision - Electricity \$55 | Mock Paper Lesson 3 \$55 |
| Week 5 (08 – 14 Oct) | 2 Weeks Break | 2 Weeks Break | 2 Weeks Break | Final Year End Revision - Data Based Questions \$55 | Best of O Levels Qn \$55 |
| Week 6 (15 – 21 Oct) | 2 Weeks Break | 2 Weeks Break | 2 Weeks Break | Mock F \$55 | Problem Solving Session \$55 |
| Week 7 (22 - 28 Oct) | Kinematics L1 \$50 | Wave L1 \$55 | Trigo Graphs \$55 | BREAK | BREAK |
| Week 8 (29 Oct- 04 Nov) | Kinematics L2 \$50 | Wave L2 \$55 | Expo & Log Fn L1 \$55 | BREAK | BREAK |
| Week 9 (05 -11 Nov) | Kinematics L3 \$50 | Sound \$55 | Expo & Log Fn L2 \$55 | BREAK | BREAK |
| Week 10 (12 - 18 Nov) | Dynamics L1 \$50 | Static L1 \$55 | Coordinate Geometry L1 \$55 | BREAK | BREAK |
| Week 11 (19 - 25 Nov) | Dynamics L2 \$50 | Static L2 \$55 | Coordinate Geometry L2 \$55 | BREAK | BREAK |