Year 11 & 12 SACE

AEC SACE & IB Spring Revision Program

Week 1 – Mon 2 Oct - Fri 6 Oct and/or
Week 2 – Mon 9 Oct - Fri 13 Oct

Courses will be conducted on Mon 2nd Oct (Labour Day)

“The most useful holiday program I have ever been to. There is no doubt these seminars helped my results improve by at least 15%.” M. Dimauro

“Very useful seminars. I feel much more confident about my exams. These seminars help to structure and motivate students to do work during the holidays!” M. Fioretti

“Improved my confidence in all topics SIGNIFICANTLY.” J. Bobolka

“Will absolutely have a positive impact on my grade.” M. Coomans

“Much better than sitting at home. Has improved my grade so much!” C. Lawless

From $30 per day*

Seminar Venue - St Mary’s College, 253 Franklin St, Adelaide
Email - Seminars@aeg.sa.edu.au      Fax - 08 8233 5858

* Very Early Bird enrolments only and for full programme.
Welcome to the AEC 2017 Spring Year 11 and Year 12 SACE Revision Seminar Programme. This year, AEC celebrates 38 years of service to parents and students in Adelaide. In this time, AEC has moulded a dynamic and experienced group of specialist seminar leaders, many of whom are past SACE Board markers and setters. These professionals have a passion for their respective subjects and a genuine concern for the effective transfer of knowledge to students of all ability levels. The seminars conducted by AEC are well respected in the education community with student and parent testimonials validating this respect.

Value and service....
We understand that many students pay for these courses themselves.....that's why we initiated an early bird special so that you can still receive value in a service without compromised quality......that's real student value! Courses conducted 4 times a year! Repeat programmes over week 1 and week 2, giving you MORE flexibility to plan ahead. Considerable savings per subject compared to comparable seminars....that's incredible value! Revision Guides and Revision Notes individually tailored for each group level by the actual presenter of the seminar!....that's personalised value! Experienced staff ready to answer your questions regarding the seminars, our resources or tuition Monday to Friday 8.30 - 5.30pm....that's great service! An interactive website where you can enrol online for Revision Seminars and/or Tuition, 24 hours a day....that's smart service!

Experience....
Our 38th year as a leading private education and training organisation says it all. The Director with over 10 years' experience as a Year 12 teacher and Year 12 Coordinator, has a natural and genuine empathy for the needs of parents and students in this final year. These concerns and values are shared by a dedicated team of seminar presenters and team coordinators/advisors each with varying degrees of educational and industrial experience.

Venue and times....
The AEC Year 11 and 12 SACE Programme will be conducted at 253 Franklin Street at St Mary's College, near West Terrace. The College offers an idyllic learning environment, state of the art training facilities, FREE Car Parking for students off Grote Street, easy “drop off-pick up” access at the front of the College on Franklin Street and is within easy walking distance of trains (via the City Loop 99C bus), trams and bus stops including the Franklin Street Bus Station.

Yr 12's: AM Seminars: 9.30am - 12.30pm PM Seminars: 1.30pm - 4.30pm
Yr 11's: AM Seminars: 9.30am - 12.30pm PM Seminars: 1.30pm - 4.30pm

If students are taking morning and afternoon sessions they can bring their own lunch, or access the numerous cafes in Grote Street, Franklin St and West Terrace. Further information concerning the venue and car parking facilities will be forwarded with the Confirmation of Enrolment.
11 Mathematics
Tue 3 - Thu 5 October: 9.30 am - 12.30 pm
Topics 1 to 6 below prepare students for end of year exams and for the study of Stage 2 Mathematical Methods.

   Topic 2: Polynomials
   Topic 4: Counting and Statistics.
Day 3. Topic 5: Growth and Decay.
   Topic 6: Introduction to Differential Calculus

11 Physics
Tue 3 - Thu 5 October: 1.30 pm - 4.30 pm
Topics 1 to 6 below prepare students for the end of year exam and for the study of Stage 2 Physics.

Day 1. Topic 1: Linear Motion and Forces
   Topic 2: Electric Circuits
Day 2. Topic 3: Heat
   Topic 4: Energy and Momentum
Day 3. Topic 5: Waves
   Topic 6: Nuclear Models and Radioactivity.

11 Chemistry
Tue 10 - Thu 12 October: 9.30 am - 12.30 pm
Topics 1 to 6 below prepare students for the end of year exam and for the study of Stage 2 Chemistry.

Day 1. Topic 1: Materials and Their Atoms
   Topic 2: Combinations of Atoms
Day 2. Topic 3: Molecules
   Topic 4: Mixtures and Solutions
Day 3. Topic 5: Acid and Bases
   Topic 6: Redox Reactions

11 English
Tue 10 - Thu 12 October: 1.30 pm - 4.30 pm
Topics below prepare students for the end of year exams and for the study of Stage 2 English.

Day 1. Responding to Texts
Day 2. Creating Texts
Day 3. Intertextual Study

11 Essay/Report Writing
Mon 2 - Thu 4 October: 9.30 am - 12.30 pm
12 Maths Methods

Week 1: Mon 2 Oct - Fri 6 Oct: 9.30 am - 12.30 pm or
Week 1: Mon 2 Oct - Fri 6 Oct: 1.30 pm - 4.30 pm or
Week 2: Mon 9 Oct - Fri 13 Oct: 9.30 am - 12.30 pm or
Week 2: Mon 9 Oct - Fri 13 Oct: 1.30 pm - 4.30 pm

The emphasis will be on examination type questions:
Day 1. Differential Calculus covering first principles, x^n functions, exponential and log functions and trig functions.
Day 2. Applications of Differential Calculus to tangents, graphing, rates of change, kinematics and optimization.
Day 3. Integration with respect to the inverse of differentiation, areas under curves and applications to rates of change and kinematics.
Day 5. Sampling and Confidence Intervals involving the central limit theorem and confidence intervals for sample means and sample proportions.
This covers all 6 topics as described in the Mathematical Methods SACE Subject Outline.

Seminar Leader: Mr Tony Thompson BSc Dip Ed Dip T Grad Dip Ed Admin.
Tony has been teaching for 45 years and has been a Mathematics Coordinator for 29 years. He has been a SACE Board Mathematics exam marker for 36 years. In recent years he has been invited to lecture on methodology at Year 12 Mathematics teacher conferences and was a current co-author of the Year 12 Haese Mathematics publications.

12 Specialist Maths

Week 1: Mon 2 Oct - Fri 6 Oct: 1.30 pm - 4.30 pm or
Week 2: Mon 9 Oct - Fri 13 Oct: 1.30 pm - 4.30 pm

Day 2. Complex Numbers.
Day 3. Vectors in 3D.
Day 4. Integration Techniques & Applications
Day 5. Rates of Change & Differential Equations
Seminar Leader: Mr John Brazzatti B Ma Sc (Hons) Dip Ed Grad Dip Ed Admin.
John has been teaching senior Mathematics for more than 30 years and International Baccalaureate Maths for 10 years. Many of his SACE students have achieved excellent results over the years.

12 General Maths

Week 1: Mon 2 Oct - Fri 6 Oct: 9.30 am - 12.30 pm or
Week 2: Mon 9 Oct - Fri 13 Oct: 9.30 am - 12.30 pm

Subtopic 3.2: The Normal Distribution
Subtopic 4.2: Models for Borrowing
Subtopic 5.2: Assignment Problems
Exam question practice throughout programme.
There will be ample opportunity for students to apply subject knowledge to exam style questions (Exam worth 30%)
PLEASE BRING YOUR GRAPHICS CALCULATOR TO ALL SESSIONS.

Seminar Leader: Mr Craig Smith B App Sc (Mathematical and Computer Modelling) Grad Dip Ed. Craig is a highly recommended Maths Applications teacher who has been teaching for 9 years. Craig has been involved in the SACE Maths Applications Moderation process for the last 3 years.
12 Physics
Week 1: Mon 2 Oct - Fri 6 Oct: 9.30 am - 12.30 pm or
Week 1: Mon 2 Oct - Fri 6 Oct: 1.30 pm - 4.30 pm or
Week 2: Mon 9 Oct - Fri 13 Oct: 9.30 am - 12.30 pm or
Week 2: Mon 9 Oct - Fri 13 Oct: 1.30 pm - 4.30 pm

Day 1. PM, UCM, Gravitation, Momentum
Day 2. Electric fields, Magnetic fields
Day 3. EM waves, Interference of light, Photons
Day 4. Matter waves, Atom, Nucleus
Day 5. Radioactivity, Fission, Fusion, Practical question analysis, Extended Response techniques, Exam preparation Strategies

Seminar Leader: Mr Hiwa Jaldiani BSc Grad Dip Ed M Ed
Hiwa is an experienced senior SACE Physics teacher in a leading independent college in South Australia. He is also the SACE moderator and marker. Hiwa's graphical demonstrations are popular internationally and they will assist his students to understand all key concepts of the syllabus. Hiwa integrates the connection between theory and exam style questions in his teaching successfully. Many of Hiwa's students achieve the perfect 20.

12 Chemistry
Week 1: Mon 2 Oct - Fri 6 Oct: 9.30 am - 12.30 pm or
Week 1: Mon 2 Oct - Fri 6 Oct: 1.30 pm - 4.30 pm or
Week 2: Mon 9 Oct - Fri 13 Oct: 9.30 am - 12.30 pm or
Week 2: Mon 9 Oct - Fri 13 Oct: 1.30 pm - 4.30 pm

Day 2. Elemental & Environmental Chemistry.
Day 4. Organic & Biological Chemistry.
A critical look at essay construction and presentation will be an integral part of this course as will exam preparation procedures.

Seminar Leader: Mr Ian Kershaw BSc Dip Ed
Ian has been teaching SACE Chemistry for over 30 years & has been a SACE Chemistry marker for 13 years. Ian is the author of the Chemistry Fundamentals Revision Guide and Solutions Guide and has assisted a number of his students to 20/20.

12 Biology
Week 1 & 2 / am or pm

The seminars will also discuss tips and techniques for the exam, including the theory underlying practical work. Students will have daily opportunities to practise questions.

Seminar Leader: Mr John Seymour MA Dip Ed Dip TESOL
John has teaching, lecturing and exam marking experience extending over more than 40 years, and is a former member of the SACE Board Biology Syllabus Committee. Students appreciate his clear explanation of concepts through computer presentations. John is the author of the Fundamentals Biology Revision Guide Notes.
Day 1. Introduction to Psychology and Social Cognition:
Attitude structure & function, social comparison & impressions.
Application to personal & social issues.

Day 2. Learning:
Classical, operant and observational learning. Application to personal & social issues, ethics and investigation designs.

Day 3. Personality:
Psychodynamic, humanistic, trait concepts of personality.
Application to personal & social issues, ethics & investigation designs.

Day 4. Psychobiology of Altered States of Awareness:

Methods of Investigation. Ethical Issues.

Seminar Leader: Ms Stephanie Coxhill BSc BEd
Stephanie has many years experience teaching Year 12 Psychology and has been a SACE Stage 2 Psychology Exam marker and a SACE Stage 2 Psychology subject moderator. Stephanie has a passion for Psychology and enjoys assisting students achieve academic success in this subject. Stephanie uses the Fundamentals Psychology Revision Guide authored by Ms Susan Armfield.

Day 1. What are the sources of energy for physical performance?

Day 2. Effects of training and evaluation on physical performance?

Day 3. How can specific physiological factors affect performance?


A critical look at past exam questions will be integrated into all sessions.

Seminar Leader: Mr Terry Jones BA Dip Ed
Terry is an experienced Year 12 PE teacher with many years of teaching experience at Year 12 level. Terry's enthusiastic presentations have assisted many year 12's attain excellent results. Terry uses the Fundamentals Physical Education Revision Guide.

“Fantastic! Thorough revision seminars. I’m so much more confident with Chemistry now.” J. Dalwood

“Good form of revision. It sometimes is helpful to hear things from a different perspective.” R. Halacus

“Great seminars. I’m ready for my exam now!” A. James
12 Economics

Week 2: Mon 9 Oct - Thu 12 Oct: 9.30 am - 12.30 pm

Day 1. Microeconomics-Prices, Market Structure and Market Failure.
Global Issues-Globalisation and Global Poverty.
Essay writing principles and exam techniques specific to Economics are incorporated throughout the programme.

Seminar Leader: Dr Brian Bentick PhD MA MComm
Brian is a previous Chief Examiner in SACE Economics and has extensive experience in schools and universities throughout Australia and the USA. Brian uses the Fundamentals Economics Revision Guide authored by Mr Jon Inge.

12 Accounting

Week 1: Mon 2 Oct - Fri 6 Oct: 1.30 pm - 4.30 pm


Seminar Leader: Ms Helen Willmer Dip T
Helen has been teaching Accounting for over 20 years and is a past SACE marker and SACE Accounting moderator. Helen has assisted numerous students over many years attain excellent results. Helen uses the Accounting Fundamentals authored by Marlene Cruickshank.

12 Legal Studies

Week 1: Mon 2 Oct - Fri 6 Oct: 9.30 am - 12.30 pm or
Week 2: Mon 9 Oct - Fri 13 Oct: 9.30 am - 12.30 pm

Day 1. The Australian Legal System.
Day 5. Examination critique:
Part A: Short Responses.
Part B: Extended Responses.
Exam questions and solutions will be integrated into the programme.

Seminar Leader: Mr Matthew Williams BA BE
Matt has been teaching Stage 1 and Stage 2 Legal Studies for over 10 years and is a member of the Legal Education Teacher's Association of SA. Matt's energy and passion for the subject has generated numerous 20's for his students over the years.

“If you want a good mark for Year 12, go to AEC.” - Henry McQuinn

“The most useful holiday programme I have ever been to. There is no doubt these seminars helped my results improve by at least 15%.” M. Dimauro

“I found them very useful and able to reinforce a lot of information that I had either difficulty with or had forgotten over the course of the year.” G. Tolhurst

“Thank you so much for all your help! Came here with absolutely no idea what I was doing in Chem. I am now much less overwhelmed about what I need to get the hang of in the next few weeks.” Annabel F.
12 Nutrition

Week 1: Mon 2 Oct - Fri 6 Oct: 1.30 pm - 4.30 pm
Week 2: Mon 9 Oct - Fri 13 Oct: 1.30 pm - 4.30 pm

Day 2. Diet, Lifestyle and Health:
Contemporary disorders related to diet and lifestyle.
Prevention, control & reversal of symptoms.
Lifestyle factors. Role of physical activity.
Day 3. Food Selection and Dietary Evaluation:
Nutritional requirements and awareness.
Influence of physiological, psychological, economic and social factors.
Day 4. Food, Nutrition and the Consumer:

Essay Writing

Week 2: Mon 9 Oct - Thu 12 Oct: 9.30 am - 12.30 pm
Suitable for SACE and IB students.

Day 4. Approaching test and exam essays and questions: in-class and essays under supervision. How to prepare and respond to exam questions. Writing Extended Essays.

12 English Literature

Week 2: Mon 9 Oct - Wed 11 Oct: 9.30 am - 12.30 pm

Day 1. Responding to texts – including the Critical Perspectives Task.
Day 2. Workshop....Individual approach towards each student’s progress.
Day 3. Exam Preparation Skills specific to English Literary Studies.

Seminar Leader: Ms Kay Brindal, B.A. Dip Ed.
Kay has been a teacher of Stage 2 English since 1990, specialising in English Studies (now English Literary Studies) since 1994.
Kay has held the position of Head of English in various schools over a number of years.

12 Modern History

Week 2: Mon 9 Oct - Thu 11 Oct: 1.30 pm - 4.30 pm

Day 1. Source Analysis.
Day 2. Thematic Study
Day 3. Depth studies.

12 Geography

Week 2: Mon 9 Oct - Wed 11 Oct: 1.30 pm - 4.30 pm

Day 3. Water, Examination procedure and answering technique. Individual requests will be accommodated in a small group format. Exam strategies will be integrated into the above topics.
IB SL & HL Subjects

**IB Maths SL**
Mon 2 Oct - Fri 6 Oct: 1.30 pm - 4.30 pm
Day 1: Topic 1&2: Algebra, Functions and Equations
Day 2: Topic 3: Circular Functions and Trigonometry
Day 3: Topic 4: Vectors
Day 4: Topic 5: Statistics and Probability
Day 5: Topic 6: Calculus

**IB Maths HL**
Mon 2 Oct - Fri 6 Oct: 9.30 am - 12.30 pm
Day 1. Algebra & Equations.
Day 2. Circular Functions & Trigonometry.
Day 5. Statistics and Probability

**IB Physics SL & HL**
Mon 9 Oct - Fri 13 Oct: 1.30 am - 4.30 pm
Day 1. Topic 2: 2.1 Motion, 2.2 Forces
Day 2. Topic 2: 2.3 Work, Energy, Power, 2.4 Momentum and Impulse
Day 4. Topic 6: 3.1 Thermal Concepts. 3.2 Modelling a gas
Day 5.

**IB Chemistry SL**
Mon 9 Oct - Fri 13 Oct: 9.30 am - 12.30 pm
Day 1. Stoichiometric relationships.
Day 2. Chemical bonding and structure. Energetics/Thermochemistry.
   Measurement and data processing.

**IB Biology SL & HL**
Mon 2 Oct - Thu 5 Oct: 1.30 pm - 4.30 pm
Day 1. Statistics. Cells (Topic 2). Genetics (Topics 4, 10)
Day 2. Biochemistry (Topics 3, 7, 8)
Day 4. Human Physiology (Topics 6, 11)

**IB Economics SL & HL**
Mon 9 Oct - Thu 12 Oct: 1.30 pm - 4.30 pm

**Essay/Writing**
Mon 9 Oct - Thu 12 Oct: 9.30 am - 12.30 pm
See web site for full details: www.aeg.sa.edu.au
More flexibility.... choose week 1 or week 2 and/or am or pm sessions.

<table>
<thead>
<tr>
<th>Week/Time/Dates</th>
<th>SACE Stage 1 Subjects:</th>
<th>IB SL and HL Subjects:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Week 1 am 9.30am - 12.30pm</td>
<td>Maths Methods</td>
<td>Maths</td>
</tr>
<tr>
<td>Mon 2 Oct - Fri 6 Oct</td>
<td>Physi cs</td>
<td>Math s HL</td>
</tr>
<tr>
<td>Week 1 pm 1.30pm - 4.30pm</td>
<td>Maths Methods</td>
<td>Physi cs</td>
</tr>
<tr>
<td>Mon 2 Oct - Fri 6 Oct</td>
<td>Physi cs</td>
<td>Biology SL &amp; HL</td>
</tr>
<tr>
<td>Week 2 am 9.30am - 12.30pm</td>
<td>Maths Methods</td>
<td>Mathematic s</td>
</tr>
<tr>
<td>Mon 9 Oct - Fri 6 Oct</td>
<td>Physi cs</td>
<td>Chemistry SL</td>
</tr>
<tr>
<td>Week 2 pm 1.30pm - 4.30pm</td>
<td>Maths Methods</td>
<td>Essay/ Report Writing</td>
</tr>
<tr>
<td>Mon 9 Oct - Fri 6 Oct</td>
<td>Physi cs</td>
<td>Chemistry SL</td>
</tr>
</tbody>
</table>

Students can select up to 4 subjects over 2 weeks.

“Very useful seminars. I feel much more confident about my exams. These seminars help to structure and motivate students to do work during the holidays!” M. Fioretti

Adelaide Education Consultants
www.aeg.sa.edu.au
Enrolment Form

Please tear off this flap & free post to: AEC Reply Paid 64564,
Level 30, Westpac House, 91 King William St, Adelaide SA 5000
Or scan and email to seminars@aeg.sa.edu.au

Your details

Name ....................................................................................................
Address..................................................................................................
..................................................................... P/Code ............................
Phone (H) .......................................Phone (W) .....................................
Fax (H) ........................................... Fax (W) ..........................................
Mobile ..................................................................................................
Email............................................................................................... 
School ..............................................................................................

Your selected subjects

<table>
<thead>
<tr>
<th>SACE Subject</th>
<th>Year</th>
<th>Week</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>11 / 12</td>
<td>1 or 2</td>
<td>am or pm</td>
</tr>
<tr>
<td>2.</td>
<td>11 / 12</td>
<td>1 or 2</td>
<td>am or pm</td>
</tr>
<tr>
<td>3.</td>
<td>11 / 12</td>
<td>1 or 2</td>
<td>am or pm</td>
</tr>
<tr>
<td>4.</td>
<td>11 / 12</td>
<td>1 or 2</td>
<td>am or pm</td>
</tr>
</tbody>
</table>

No. of Yr 12 SACE subjects @ $310 ($225 Early Bird)* $....................
No. of Yr 11 SACE subjects @ $295 ($200 Early Bird)* $....................
No. of IB subjects @ $395 ($345 Early Bird)* $....................

TOTAL INVESTMENT $....................

Payment options

- Mastercard
- Visa

Cardholder .......................................................... Exp. ............/
Card No. ......................./......................./......................./.......................

- Cheques Payable to: Adelaide Education Consultants
- E-Transfer to AEC: BSB: 035006 Acct Number: 156305

Fee reduction criteria

*Early Bird Fee offer applies to fees paid in full before 20.9.17
**Very Early Bird is a limited offer to web site bookings only.
Full fees payable by 1st day of programme.
Credit card payments subject to 2.5% surcharge.
Please consult website for full Cancellation & Refund Policy and Procedure.
School Order: ABN 14461321780
Student Performance

The AEC Seminars are tailored for all ability levels including high achievers. Groups are graded where appropriate into ability levels. Please record below if possible, for those subjects you are enrolling in:

1. Your latest result in this subject (if available):
2. Your overall percentage in this subject:

<table>
<thead>
<tr>
<th>Subject</th>
<th>Latest Assess.</th>
<th>O/A %</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Please send me more information on: Please circle:
Home Tuition               Fundamentals Study & Revision Guides
2018 Yr 12 January SACE Headstart Program

FAQ’s

Q What times are the seminars?

Year 11 & 12’s SACE & IB:
Morning: 9.30am - 12.30pm
Afternoon: 1.30pm - 4.30pm

Q Are the groups graded?

A Where appropriate, groups are graded into ability levels. This is why we ask you to submit your current or past percentages. This information can be forwarded at a later date via email or fax if currently not available. Every effort is made to allocate students into graded groups according to submitted subject results. AEC reserves the right to change the nature of the courses and the presenter, should circumstances outside the College’s control warrant such changes.

Q Do I get sent a Letter of Confirmation?

Yes! If you enrol online you receive an automatic Confirmation of Enrolment (CoE). Please ensure your email address is accurate. Please ask the office staff if you would prefer the CoE to be mailed.

Q Do I receive notes from my seminar leader?

Yes. In most subjects you will receive summary notes from the seminar leader. These notes have in most cases been prepared by the seminar leader who is presenting to you. This makes it easier for you to follow the programme, providing congruency between what is articulated in class and what you follow on paper.

Bring a friend and save!

For each friend you bring you receive a FURTHER 5% off the Full Fee.

“Definitely worth it! Will tell others about how useful it was.” A.Watton

“Very, Very helpful! A much more informing and beneficial way to spend revision week.” Damian P.

“Great seminars. I’m ready for my exam now!”

A. James