

PREPARATION PROGRAM



SAVE
WITH OUR
EARLY BIRD
OFFER!

Year 11 & 12 SACE Headstart

Monday 15th – Thursday 18th
January 2018

Adelaide Education
Consultants

Seminar Venue -
St Mary's College, 253 Franklin St, Adelaide
Email - seminars@aeg.sa.edu.au

Ph - 08 82317776 Fax - 08 8233 5858



Adelaide
Education Group

www.aeg.sa.edu.au

Level 30, Westpac House, 91 King William St, Adelaide





Welcome Parents & Students

Welcome to the AEC 2018 Headstart Year 12 SACE Head Start Preparation Seminar Programme.

AEC was the first organisation in Adelaide to offer students and parents the opportunity to get ahead of the pack at the beginning of a challenging year. Today, AEC offers the most comprehensive Year 12 Headstart Preparation Program in Adelaide.

Read the testimonials throughout the brochure and you will see how thousands of students have benefitted from our unique 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! Our courses are conducted 4 times a year!that's continuity in service! Considerable savings per subject compared to comparable seminars.... that's incredible value!

Experienced staff ready to answer your questions regarding the seminars, our resources or tuition Monday to Friday 8.30 - 6.00pm...that's great service!

Experience....

Our 39th 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....

The AEC 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.

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.

Study Skills

10/11/12 Study Skills

Mon 15 - Wed 17 January, 2018, 12.00 noon - 2.30 pm

SUITABLE FOR YEAR 10, 11 AND 12 STUDENTS.

SUITABLE FOR SACE AND IB STUDENTS

Dynamically presented by a past Year 12 teacher who has a passion for improving the learning capabilities of students, this programme has been responsible for turning around personal academic performances for thousands of students.

The course focuses on a range of topics designed to assist students in achieving their maximum potential and to learn more about the importance of complimenting their school year with sound study skills.

As with all of the courses at AEC, Feedback Sheets are issued to students at the conclusion of the programme. Students attending the Performance Plus course have consistently supported and endorsed the coverage of the following study skill units:

Day 1. Accelerated Learning Principles. Student Organisation Skills and Strategies. Managing technology use.

Day 2. Time Management Techniques/Models. Student Goal Setting Strategies. Test and Exam Preparation Skills. Memory Skill Development. Speed Reading Techniques.

Day 3. Student Motivation Techniques. Stress Management. Relaxation Techniques. Student Self Management Skills. Yoga for students.

Learn why note taking skills (traditional and electronic) are critical for long term memory development and memory recall.

Discover the different note taking styles used by successful Year 11 & 12 students.

Determine your own learning style through our Visual, Auditory and Kinaesthetic testing programme.

Discover why these results have enormous implications for how you study at home and at school.

Discover the importance of determining your left and right hemispheric dominance and how this information will enhance your current study habits.

Analyse the different types of organisational tools successful students use throughout the year and in the lead up to trial and end of year exams.

Discover how the Pareto principle will literally save you hours of wasted time.

Learn to effectively balance sport, work and study responsibilities.

Discover the secret of successful Goal Setting and its potential impact on your school results and your life!

Having difficulty getting motivated? Explore the possible reasons and solutions for this challenging state.

Learn how to access the various levels of mental alertness and learn which "brain state" is the most appropriate for "absorption" of facts and figures.

Learn the top 20 specialised exam skills needed for exam success.

Discover why and where students continually lose marks in tests and exams. (Compiled by past and present SACE exam markers)

Learn how to deal with test and exam anxiety.

Discover the importance of stress management and its relationship with academic performance.

Learn how to use a range of relaxation techniques that will improve general health and concentration levels.

Learn how not to "burn out" in this important year.

Seminar Leader: Mr Greg Allison BA Dip Ed

A past senior Year 12 Teacher and Coordinator, Greg has been specializing in academic excellence and personal development for over 30 years. His empathy for and understanding of student concerns stems from hands on teaching experience in Adelaide's Eastern, Southern, Western and Northern suburban High Schools and in Eyre Peninsula and Riverland High Schools. No stranger to success and motivation psychology, Greg has successfully coached sporting teams at State, National and International level and has represented South Australia on 33 and Australia on 9 occasions and is a current Australian Champion and a previous World Championship Bronze medallist.

Greg's practical, no nonsense approach towards the many aspects of student performance has motivated and enhanced academic performance for thousands of students. His learning and motivation strategies have been recognized by training authorities overseas and interstate.

"Brilliant!...the best Study Skills presenter in Adelaide by miles." J. Hillman

"Very inspirational for any Yr.12 student. Highly recommended." J. Simmons

"10/10....This course should be compulsory for all Year 11-12's." A. Wilson

SACE Stage 2 Subjects

12 Maths Methods

Mon 15 - Thu 18 Jan 2018, 3.00 pm - 5.30 pm

Day 1. Topic 1: Further Differentiation.

Subtopic 1.1: Introductory Differential Calculus.

Subtopic 1.2: Differentiation Rules.

Subtopic 1.3: Exponential Functions.

Subtopic 1.4: Trigonometric Functions.

Day 2. Topic 1: Further Differentiation and Applications.

Subtopic 1.2, 1.3, 1.4: Applications of Calculus to tangents, Calculus and graphs, Rates of Change and Kinematics.

Day 3. Topic 2: Discrete Random Variables.

Subtopic 2.1: Discrete Random Variables.

Subtopic 2.2: The Bernoulli Distribution.

Subtopic 2.3: Repeated Bernoulli Trials and the Binomial Distribution.

Day 4. Topic 3 Integral Calculus.

Subtopic 3.1: Anti-differentiation.

Subtopic 3.2: The Area under Curves.

Subtopic 3.2: The Area under Curves.

Subtopic 3.3: Fundamental Theorem of Calculus.

Students are requested to bring their Graphics Calculator.

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. In recent years Tony has been invited to lecture on methodology at Year 12 Mathematics teacher conferences and is a current co-author of the Year 12 Haese and Haese Mathematics publications.

12 Specialist Maths

Mon 15 - Thu 18 Jan 2018, 12.00 pm - 2.30 pm

Day 1. Topic 1: Mathematical Induction.

Subtopic 1.1: Proof by Mathematical Induction.

Day 2. Topic 2: Complex Numbers.

Subtopic 2.1: Cartesian and Polar Forms .

Subtopic 2.2: The Complex (Argand) Plane.

Day 3. Topic 2: Complex Numbers continued....

Subtopic 2.3: Roots of Complex Numbers .

Subtopic 2.4: Factorisation of Polynomials.

Day 4. Topic 4: Vectors in Three Dimensions.

Subtopic 4.2: Vector and Cartesian Equations.

Students are requested to bring their Graphics Calculator.

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. In recent years Tony has been invited to lecture on methodology at Year 12 Mathematics teacher conferences and is a current co-author of the Year 12 Haese and Haese Mathematics publications.

12 General Maths

Mon 15 - Thu 18 Jan 2018, 9.00 am - 11.30 am

Day 1. Topic 1: Modelling with Linear Relationships.

Subtopic 1.1: Simultaneous Linear Equations.

Subtopic 1.2: Linear Programming.

Day 2. Topic 2: Modelling with Matrices.

Subtopic 2.1: Application of Matrices to Network Problems.

Subtopic 2.2: Application of Matrices to Transition Problems.

Day 3. Topic 3: Statistical Models/ Topic 4: Financial Models.

Subtopic 3.1: Bivariate Statistics.

Subtopic 3.2: The Normal Distribution.

Subtopic 4.1: Models for Saving.

Subtopic 4.2: Models for Borrowing.

Day 4. Topic 5: Discrete Models.

Subtopic 5.1: Critical Path Analysis.

Subtopic 5.2: Assignment Problems.

Folio Writing

Students are requested to bring their Graphics Calculator.

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 10 years. Craig has been involved in the SACE Maths Applications Moderation process for the last 4 years and has assisted many of his students to excellent results.

12 Physics

Mon 15 - Thu 18 Jan 2018, 9.00 am - 11.30 am

These sessions cover a third of the Year 12 SACE course (the entire topic 1: Motion and Relativity). These topics will be covered thoroughly in four days. Each session will be a combination of theory presentation and methods of problem solving. Furthermore, it covers the skills that are required to manage Physics both theoretically, and experimentally.

AUSTRALIAN CURRICULUM ACCREDITED UNITS:

Day 1. Revision and consolidation: Year 12 SACE Physics survival skills.

Subtopic 1.1: Projectile Motion

Day 2. Topic 1. Motion and Relativity:

Subtopic 1.2: Forces and Momentum

Day 3. Topic 1. Motion and Relativity:

Subtopic 1.3: Circular Motion and Gravitation

Day 4. Topic 1. Motion and Relativity:

Subtopic 1.4: Relativity

The connection of theory to exam style questions will be an integral part of all sessions presented.

*Seminar Leader: Mr Hiwa Jaldiani MEd BSc Grad Dip Ed
Hiwa is a senior IB and SACE Physics teacher in a leading independent school in South Australia. His graphical demonstrations are popular 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. Hiwa is also a SACE moderator and marker.*

12 Chemistry

Mon 15 - Thu 18 Jan 2018, 12.00 noon - 2.30 pm

ACCREDITED AUSTRALIAN CURRICULUM UNITS:

Day 1. Monitoring the Environment

Subtopic 1.1: Global Warming and Climate Change.

Subtopic 1.2: Photochemical Smog

Subtopic 1.5: Atomic Spectroscopy

Day 2. Monitoring the Environment:

Subtopic 1.3: Volumetric Analysis.

Subtopic 1.4: Chromatography.

Day 3. Organic and Biological Chemistry

Subtopics 3.1 - 3.7: Introduction, alcohols, aldehydes and ketones, carbohydrates, carboxylic acids, amines and esters

Day 4. Managing Chemical Processes and Managing Resources

Subtopic 2.1: Rates of Reaction. Subtopic 4.1: Energy

Seminar Leader: Mr Ian Kershaw BSc Dip Ed

Ian is a current teacher and has been teaching SACE Chemistry for over 30 years. Ian has been a SACE Chemistry marker for over 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

Mon 15 - Thu 18 Jan 2018, 9.00am - 11.30am

ACCREDITED AUSTRALIAN CURRICULUM UNITS:

Day 1. Natural selection, evolution.

Day 2. Chromosome number. Practical concepts.

Day 3. Energy.

Day 4. DNA, the genetic code, protein synthesis.

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.

12 Psychology

Mon 15 - Thu 18 Jan 2018, 3.00 pm - 5.30 pm

ACCREDITED AUSTRALIAN CURRICULUM UNITS:

Day 1. Introduction to Psychology and Investigations. Research Methods.

Day 2. Social Cognition: Attitude structure & function, social comparison & impressions. Application to personal & social issues.

Day 3. Learning: Classical, operant and observational learning. Application to personal & social issues, ethics and investigation designs.

Day 4. Personality: Psycho-dynamic, humanistic, trait concepts of personality. Altered States.

11 & 12 Research Project

Mon 15 - Wed 17 Jan 2018, 9.00 am - 11.30 am

Day 1. Initiating and planning the research.

Day 2. Developing the research. Producing and substantiating the research outcome.

Day 3. Reviewing and evaluating the research.

Understanding Evidence of Learning and Assessment Design Criteria.

Individual progression and “needs met” focus facilitated in a small group environment.

11 & 12 Essay/Report Writing

Mon 15 - Wed 17 Jan 2018, 3.00 pm - 5.30 pm

Day 1. Initiating and planning the research.

Day 2. Developing the research. Producing and substantiating the research outcome.

Day 3. Reviewing and evaluating the research.

Understanding Evidence of Learning and Assessment Design Criteria.

Individual progression and “needs met” focus facilitated in a small group environment.

11 Mathematics

Mon 15 - Thu 18 Jan 2018, 9.30 pm - 11.30 am

Day 1. Topic 1: Functions and Graphs

Day 2. Topic 2: Subtopic 1.4: Functions

Day 3. Topic 3: Trigonometry

Day 4. Topic 4: Counting and Statistics

11 Physics

Mon 15 - Thu 18 Jan 2018, 12.00 noon - 2.00 pm

Day 1. Topic 1: Functions and Graphs

Day 2. Topic 2: Subtopic 1.4: Functions

Day 3. Topic 3: Trigonometry

Day 4. Topic 4: Counting and Statistics

11 Chemistry

Mon 15 - Thu 18 Jan 2018, 3.00 pm - 5.00 pm

Day 1. Topic 1: Materials and Their Atoms

Day 2. Topic 1: Materials and Their Atoms cont..

Day 3. Topic 2: Combinations of Atoms

Day 4. Topic 2: Combinations of Atoms cont:

11 English

Mon 15 - Wed 17 Jan 2018, 3.00 pm - 5.00 pm

Day 1: Responding to Texts

Day 2: Creating Texts

Day 3: Intertextual Study

See web site for full program details...www.aeg.sa.edu.au

12 Physical Education

Mon 15 - Thu 18 Jan 2018

3.00 pm - 5.30 pm

ACCREDITED AUSTRALIAN CURRICULUM UNITS:

Day 1. Topic 1: Exercise Physiology and Physical Activity

Key Concept 1: The Sources of Energy Affecting Physical Performance

Key Concept 2: The Effects of Training and Evaluation on Physical Performance

Key Concept 3: The Specific Physiological Factors Affecting Performance

Day 2. Topic 2: The Acquisition of Skills and the Biomechanics of Movement

Key Concept 1: Skills Acquisition

Key Concept 2: Specific Factors Affecting Skill Learning

Day 3. Topic 2: The Acquisition of Skills and the Biomechanics of Movement cont.

Key Concept 3: The Effects of Psychology of Learning on the Performance of Physical Skills

Key Concept 4: The Ways in Which Biomechanics Improve Skilled Performance

Day 4. Issues Analysis.

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.

12 Nutrition

Mon 15 - Wed 17 Jan, 2018

9.00 pm - 11.30 am

AUSTRALIAN CURRICULUM ACCREDITED UNITS:

Day 1. Topic 1: The Fundamentals of Human Nutrition:

Identify the functions of macro nutrients: Carbohydrates, Lipids and Proteins.

Calculate the distribution of macronutrients and compare to national recommendations.

Day 2. Topic 2: Diet, Lifestyle and Health:

Contemporary disorders related to over and under nutrition.

Identify various risk factors and how symptoms can be managed and reversed through diet and lifestyle.

Day 3. Topic 3: Food Selection and Dietary Evaluation:

Identify physiological, psychological, economic and social factors that influence food selection.

Individualised requests within individual core and option topics will be gladly accommodated by the Seminar Leader.

Seminar Leader: Ms Kimberley McLean BSc (Chemistry), MTeach (Senior Science) Kimberley has been teaching Nutrition for many years with excellent student results. Kimberley has worked as a SACE Moderator and mentor to new teachers of Nutrition. Kimberley uses the Fundamentals Nutrition Revision Guide authored by Anna Palombaro.

12 English Literary Studies

Mon 15 - Wed 17 Jan 2018, 12.00 noon - 2.30 pm

ACCREDITED AUSTRALIAN CURRICULUM UNITS:

School assessment will comprise 70% of total assessment, with the external exam comprising 30%

Day 1. Responding to Texts & Creating Texts (including critical perspectives)
Extended Prose
Film
Drama
Poetry

Day 2. Creating Texts (including transformative texts)

Day 3. Comparative Text Study and Critical Reading

Individual progression and "needs met" focus facilitated in a small group environment.

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. Kay's enthusiastic approach to learning and teaching is complemented by the delivery of professional development for teachers of English, continued involvement in the creation of English support materials, and by relevant SACE Board experience in external assessment and moderation.

12 English

Mon 15 - Wed 17 Jan 2018, 9.00 am - 12.30 pm

School assessment will comprise 70% of total assessment, with the externally assessed Comparative Analysis comprising 30%.

AUSTRALIAN CURRICULUM ACCREDITED UNITS:

Day 1. Responding to texts.

Day 2. Creating Texts

Day 3. Comparative Analysis

Individual progression and "needs met" focus facilitated in a small group environment.

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. Kay's enthusiastic approach to learning and teaching is complemented by the delivery of professional development for teachers of English, continued involvement in the creation of English support materials, and by relevant SACE Board experience in external assessment and moderation.

"I found the programme to be very useful. A great way to prepare yourself for your most important year of schooling." C. Pardini

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

"I am so confident now, I don't think I would have been feeling this way if it wasn't for these seminars." - C. Caut

"Excellent seminars. I'm sure that having attended this course I will be more confident and more familiar with the curriculum this year. The atmosphere was also friendly and comfortable" - C. Vo

More flexibility.... choose from 3 time slots per day

| Mon 15 - Thu 18 January, 2018 | SACE Stage 2 Yr. 12 Subjects: | | | | | | SACE Stage 1 Yr. 11 Subjects: | | |
|----------------------------------|----------------------------------|-----------|---------|-------------------------|-----------------------|----------------------------|----------------------------------|----------------------------|---|
| 9.00am - 11.30pm: | General Maths | Physics | Biology | Psychology Nutrition | English | 12 Research Project | 9.30am - 11.30pm: | 11 Mathematics | 11 Research Project (9.00am - 11.30pm) |
| 12.00noon - 2.30pm: | Specialist Maths | Chemistry | | | English Literature | 12 Study Skills | 12.00 - 2.00pm: | 11 Physics | 11 Study Skills (12.00noon - 2.30pm) |
| 3.00pm - 5.30pm: | Maths Methods | | | Physical Education | | 12 Essay/Report Writing | 3.00pm - 5.00pm: | 11 Chemistry 11 English | 11 Essay/Report Writing (3.00pm - 5.30pm) |



Adelaide Education Consultants



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Education Group

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

Your details

Name

Address.....

..... P/Code.....

Phone (H)..... Phone (W).....

Fax (H)..... Fax (W).....

Mobile

Email.....

School

Your selected subjects

| SACE Subject | Year |
|--|----------|
| 1. | 11/12 |
| 2. | 11/12 |
| 3. | 11/12 |
| Study Skills | 10/11/12 |
| Number of subjects @ \$310 (\$225 Early Bird)* | \$..... |
| TOTAL INVESTMENT | \$..... |

Payment options



Cardholder

Exp...../.....

Card No.

Cheques Payable to: Adelaide Education Consultants

E-Transfer to AEC: BSB: 035 006 Acct Number: 156305
Please insert your Family name or Order ID number for this transaction

Yes, I will need a home tutor this year.

Fee reduction criteria

*Fee reduction applies to fees paid in full before 13.12.17

Full fees payable by 1st day of programme.

Credit card payments subject to 2.5% surcharge.

Please consult website for Cancellation/Refund/Course Change Policy and Procedure.

School Orders: ABN 14461321780

Future Programmes

Please indicate below if you are interested in receiving information concerning the following programmes or services planned for 2016 and beyond:

Please send me more information on:

- Home Tuition
- Fundamentals Study & Revision Guides
- Study Skill Programmes

- 2018 Yr 11 & 12 SACE Autumn Revision Programme
- 2018 Yr 11 & 12 SACE Winter Revision Programme
- 2018 Yr 11 & 12 SACE Spring Revision Programme
- 2019 Yr 12 SACE Headstart Preparation Programme

FAQ's

Q What times are the seminars?

Morning Seminars: 9.30am - 12.30pm
Afternoon Seminars: 1.30pm - 4.30pm

Q What is taught over the 3 days?

A Most seminar leaders will firstly ensure a thorough recap of essential Year 11 concepts are covered. They will then concentrate on going through the Subject Outline specific to each subject including a description of the Curriculum and Assessment Requirements. The seminar leader will then diligently cover the SACE Learning Requirements and appropriate Content Units specific for that subject. See subject descriptors for more detail.

Q Do I get sent a Letter of Confirmation?

Yes! We will email a Confirmation of Enrolment (CoE) within 48 hours of receiving your application. 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.

Country students save!

Country students receive a **FURTHER 5% off the Full Fee OR the Early Bird Fee!** Simply enter "Country" as a code descriptor when you check out.

School Bookings

Schools receive a 15% discount on all group bookings.
An official Order Form accompanying Enrolment details is required.
Tax Invoices will be submitted to requesting school.
Ability level programmes for a student cohort can be arranged upon request.

Home Tuition

Secure the best tutors before they become fully booked!
Ph 82317776 or book online...www.aeg.sa.edu.au