

SACE Stage 1 & 2

2019

# AEC SACE Spring Revision Program

Mon 30 Sep - Fri 4 Oct and/or

Mon 7 Oct - Fri 11 Oct

\$40  
per day  
Early Bird

Maths Methods | General Maths | Specialist Maths  
Essential Maths | Physics | Chemistry | Biology | Nutrition  
Legal Studies | Psychology | Accounting | PE  
English Literary Studies | Essay/Report Writing | Economics  
Geography | Modern History | Exam Prep. Skills

*"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*

*"This was by far the most helpful and productive way I could have spent my school holidays. Well worth the money spent and highly recommended." Abbey H.*

*"Will absolutely have a positive impact on my grade." M. Coomans*

*"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*

*"Absolutely fantastic! Great to get a different perspective." Tim S.*

*"Improved my confidence in all topics SIGNIFICANTLY." I. Bobolka*



## Adelaide Education Consultants



Adelaide  
Education Group

[www.aeg.sa.edu.au](http://www.aeg.sa.edu.au)

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

Seminar Venue - St Mary's College, 253 Franklin St, Adelaide

Email - [enquiries@aeg.sa.edu.au](mailto:enquiries@aeg.sa.edu.au) Fax - 08 8233 5858

Phone - (08) 8231 7776 Celebrating 40 years in 2019



# Welcome Parents & Students

The 2019 AEC SACE Spring Revision Program will be conducted at 253 Franklin Street at St Mary's College, near West Terrace. The College offers an idyllic learning environment, free car parking for students off Grote Street and easy "drop off-pick up" access at the front of the College on Franklin Street. It is within easy walking distance of trains, 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 the free car parking facilities will be forwarded with the Confirmation of Enrolment.

## 2019/20 Programs:

2019 Spring:	Mon 30 Sep - Fri 4 Oct &/or Mon 7 Oct - Fri 11 Oct Up to 4 full subjects can be taken over 2 weeks
2020 Headstart:	Wed 8 - Fri 10 January
2020 Autumn:	Tue 14 - Fri 17 April Mon 20 - Thu 23 April
2020 Spring:	Mon 28 Sep - Fri 2 Oct &/or Mon 5 Oct - Fri 9 Oct

*The ONLY SACE Revision Programs in South Australia offering incredible subject option flexibility and amazing value!*

*Over 35,000 students have chosen our holiday courses since 1980!*

*More than 500 Home and Online tutors are ready to assist you.*

# Subjects

## SACE Stage 2 Maths Methods

Week 1: Mon 30 Sep - Fri 4 Oct: 9.30 am - 12.30 pm or

Week 1: Mon 30 Sep - Fri 4 Oct: 1.30 pm - 4.30 pm or

Week 2: Mon 7 Oct - Fri 11 Oct: 9.30 am - 12.30 pm or

Week 2: Mon 7 Oct - Fri 11 Oct :1.30 pm - 4.30 pm

- 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 4. Probability Distributions for discrete & cont. data. Normal dist.
- Day 5. Sampling & Confidence Intervals involving the central limit theorem & confidence intervals for sample means & 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 co-author of the Year 12 Haese Mathematics publications.*

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## SACE Stage 2 General Maths

Week 1: Mon 30 Sep - Fri 4 Oct: 9.30 am - 12.30 pm or

Week 2: Mon 7 Oct - Fri 11 Oct: 9.30 am - 12.30 pm

- Day 1. Topic 3: Statistical Models. Subtopic 3.1: Bivariate Statistics. Subtopic 3.2: The Normal Distribution
- Day 2. Topic 4: Financial Models. Subtopic 4.1: Models for Saving. Subtopic 4.2: Models for Borrowing
- Day 3. Topic 5: Discrete Models. Subtopic 5.1: Critical Path Analysis Subtopic 5.2: Assignment Problems
- Day 4. Examination Paper Procedures and Practice. 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 teacher who has been teaching for 14 years. Craig is a past examiner, has been involved in the SACE Maths Moderation process for more than 6 years.*

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## SACE Stage 2 Specialist Maths

Week 1: Mon 30 Sep - Fri 4 Oct: 1.30 pm - 4.30 pm or

Week 2: Mon 7 Oct - Fri 11 Oct :1.30 pm - 4.30 pm

- Day 1. Mathematical Induction & Functions. Sketching Graphs.
  - Day 2. Complex Numbers.
  - Day 3. Vectors in 3D.
  - Day 4. Integration Techniques & Applications
  - Day 5. Rates of Change & Differential Equations
- Linking of theory with exam style questions will be an integral part of each day's theory.

*Seminar Leader: Mr John Brazzatti B Ma Sc (Hons) Dip Ed Grad Dip Ed 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.*

## SACE Stage 2 Physics

Week 1: Mon 30 Sep - Fri 4 Oct: 9.30 am - 12.30 pm or

Week 1: Mon 30 Sep - Fri 4 Oct: 1.30 pm - 4.30 pm or

Week 2: Mon 7 Oct - Fri 11 Oct: 9.30 am - 12.30 pm

Day 1. Topic 1: Motion and relativity: 1.1, 1.2, 1.3

Day 2. Topic 1: Motion and relativity: 1.4

Topic 2: Electricity & Magnetism: 2.1, 2.2

Day 3. Topic 2: Electricity & Magnetism: 2.3, 2.4, 2.5

Day 4. Topic 3: Light & Atoms: 3.1, 3.2

Day 5. Topic 3: Light & Atoms: 3.3, 3.4

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

*Seminar Leader: Mr Joe Russo B Ed (Physics)*

*Joe is an experienced SACE Physics and IB Physics teacher.*

*Joe has been a co-editor of the SASTA Physics Revision Guide which included writing solutions to the end of Year 12 Physics exam and was part of the team who reconfigured the current revision guide to its present format.*

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## SACE Stage 2 Biology

Week 1 Mon Sep 30 - Fri Oct 4: 9.30 am - 12.30 pm

Week 1 Mon Sep 30 - Fri Oct 4: 1.30 pm - 4.30 pm

Week 2 Mon Oct 7 - Fri Oct 11: 9.30 am - 12.30 pm

Week 2 Mon Oct 7 - Fri Oct 11: 1.30 pm - 4.30 pm

Day 1. Topic 1. DNA & Proteins.

Day 2. Topic 1. DNA & Proteins. cont.

Day 3. Topic 2. Cells as the basis of Life.

Day 4. Topic 3. Homeostasis.

Day 5. Topic 4. Evolution

Throughout the week there will be practice questions, including many from past examination papers and discussion of how to tackle different types of 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.*

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## SACE Stage 2 Chemistry

Week 1 Mon Sep 30 - Fri Oct 4: 9.30 am - 12.30 pm or

Week 1 Mon Sep 30 - Fri Oct 4: 1.30 pm - 4.30 pm or

Week 2 Mon Oct 7 - Fri Oct 11: 9.30 am - 12.30 pm

Day 1. Monitoring the Environment.

Day 2. Managing Chemical Processes.

Day 3. Organic and Biological Chemistry.

Day 4. Organic and Biological Chemistry cont.

Day 5. Managing Resources.

A critical look at essay construction and presentation will be an integral part of this course as will exam preparation procedures.

*Seminar Leader: Mr Rick Todd BEd (Chem. Maths)*

*Rick has been teaching SACE Chemistry in South Australia for over 35 years & has been a senior Chemistry teacher at a leading independent school.*

*Many of Rick's students have attained the perfect score of 20/20 in SACE exams and 7 in IB exams. Rick has also been a moderator and examiner of IB Chemistry and an accredited IB Workshop Leader.*

## SACE Stage 2 Psychology

Week 1: Mon 30 Sep - Fri 4 Oct 9.30 am - 12.30 pm

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: Circadian rhythms. Sleep patterns. Psychological & physiological arousal. Stress & effect on health. Principles concerning altered state of awareness. Application to social issues.

Day 5. Healthy Minds: What is a healthy mind? Experiences, events & interventions. Social issues & personal growth. Methods of Investigation. Ethical Issues. Preparing for the Electronic Exam.

*Seminar Leader: Mr Paul Jessen B Ed*

*Paul has been teaching Year 12 Psychology for many years. Paul's enthusiastic and passionate presentations have assisted many students achieve success in SACE Stage 2 Psychology.*

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## SACE Stage 2 Nutrition

Week 1: Mon Sep 30 - Thu Oct 3: 1.30 pm - 4.30 pm

Day 1. The Fundamentals of Human Nutrition. Macronutrients. Micronutrients. Digestion. Malabsorption syndrome. Metabolism.

Day 2. Diet, Lifestyle and Health. Diet related disorders and symptoms. Educational aids. Food selection guides and diagnostic tools.

Day 3. Food Selection and Dietary Evaluation.

Day 4. Factors that influence food choices. Disordered eating. Selection & prep. of food. Devt. of healthy eating patterns. Behaviour modifications.

*Seminar Leader: Ms Jana Pitsadiotis B Nutrition and Food Science, MEd (Biology and Nutrition)*

*Jana has many years experience teaching Stage 2 Nutrition and has at her current school implemented the Stage 1 and Stage 2 Nutrition programs.*

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## SACE Stage 2 Physical Education

Week 1: Mon 30 Sep - Fri 4 Oct: 1.30 pm - 4.30 pm or

Week 2: Mon 7 Oct - Fri 11 Oct :1.30 pm - 4.30 pm

Day 1. Sources of energy affecting physical performance.

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

Day 3. Specific physiological factors affecting performance.

Day 4. Skill Acquisition. Factors affecting Learning.

Day 5. Psychological effects on physical performance.

*Seminar Leader: Mr Terry Jones BA Dip Ed Terry is an experienced Year 12 PE teacher with many years of teaching experience. Terry's enthusiastic presentations have assisted many year 12's attain excellent results.*

*Terry uses the Fundamentals Physical Education Revision Guide.*

Please consult web site for following course descriptors:

SACE Stage 2 Essential Maths

SACE Stage 2 English Literary Studies

SACE Stage 2 Legal Studies

SACE Stage 2 Economics

SACE Stage 2 Accounting

SACE Stage 2 Geography

SACE Stage 2 Modern History

SACE Essay & Report Writing

All Stage 1 Subjects & all International Baccalaureate Subjects

# Schedule/Enrolment

Week 1: Mon 30 Sep - Fri 4 Oct

9.30 am - 12.30 pm	1.30 pm - 4.30 pm
SACE 12 Maths Methods	SACE 12 Maths Methods
SACE 12 General Maths	SACE 12 Physics
SACE 12 Physics	SACE 12 Chemistry
SACE 12 Chemistry	SACE 12 Biology
SACE 12 Biology	SACE 12 Accounting
SACE 12 Psychology	SACE 12 Physical Education
SACE 12 Legal Studies	SACE 12 Nutrition
SACE 11 Mathematics	SACE 11 Physics

Week 2: Mon 7 Oct - Fri 11 Oct

9.30 am - 12.30 pm	1.30 pm - 4.30 pm
SACE 12 Maths Methods	SACE 12 Maths Methods
SACE 12 General Maths	SACE 12 Specialist Maths
SACE 12 Physics	SACE Essential Maths
SACE 12 Chemistry	SACE 12 Biology
SACE 12 Biology	SACE 12 Physical Education
SACE 12 English Literary Studies	SACE 12 Modern History
SACE 12 Essay/Report Writing	SACE 12 Geography
SACE 12 Economics	Year 10, 11 & 12 Exam Prep Skills
SACE 11 Chemistry	SACE 11 Biology / English

## Enrolment Details (Circle your chosen subjects above)

Name .....

Address.....

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

Mobile .....

Email.....

School.....

Year 12: Number of full subjects @ \$310 per subject: .....

(Or Early Bird fee of \$200.... Save \$110 per subject) .....

Year 11: Number of full subjects @ \$250 per subject: .....

**TOTAL INVESTMENT:** \$ .....

## Payment options

☐ Mastercard ☐ Visa ☐ Pay Pal ☐ Cash on Day

Cardholder ..... Exp. .... / .....

Card No. .... / ..... / ..... / .....

☐ **E-Transfer** to AEC BSB: 035 006 Acct Number: 156 305

## Fee reduction criteria

Fee reduction applies to fees paid in full before 11.9.19

Please consult website for full Cancellation & Refund Policy and Procedure.

AEC ABN 14461321780 Celebrating 40 years in 2019 Phone (08) 8231 7776