Year 12 SACE Revision Guide 2017

Dear Year 12 SACE students and parents,

The following pages provide an outline of the various revision materials and subject specific approaches available to South Australian Certificate of Education students as a part of the preparation for the forthcoming November examination session. Much preparation work has been conducted over the past 8 months and the final revision process is one where students have that bit more time at their disposal to ensure that practice makes perfect.

The revision process for students should be carried out in 3 stages:
1) Develop understanding of the subject matter
2) Revise the subject matter
3) Practice exam questions

What is outlined for each subject in this booklet is by no means exhaustive and students are encouraged to ask their teachers if they are unsure how to tackle any aspect of their revision program. Likewise, students are encouraged to seek feedback on examination practice questions in preparation for the final papers. The 2017 SACE examination timetable is also available on the PAC website to assist students in preparing a revision timetable. Each subject in this revision guide is listed alphabetically.

Kind regards.

Jeremy Rylatt
Assistant Director of Teaching and Learning
(SACE Coordinator)
Revision Material
Past exam book
Accounting essentials workbook
Mid year exam

Approach to Revision
The key to this subject is to do the past exam book in pencil so that when you encounter problem areas you can flag it and redo the problem at a later date to see if you have fixed the issue. Save the last 3 (2014,2015 and 2016 for the lead up to the exam and do those as full practice exams)
The workbook provides further theory questions at the end of each chapter which is a good source of revision problems to work on the theory. I wouldn’t be doing these questions until I had finished the past exam book and was comfortable with EVERY question in it and therefore is not a priority at this stage. You should therefore work on the past exam book over and over only revisiting course work if you encounter problems which you cannot solve through looking at the solutions.

Specific Requirements: Term 3 and Holiday Period
The issue is that you still have a ratio report to write worth 20% of the final grade. This will be done on Thursday week 1 term 4 in class. Therefore you should be focusing on the ratio work until the end of term 3 and only doing past problems from the past exam book when there is a lull in the course work.
Your aim is to finish the past exam book by the end of the Holiday period ONCE to give you time to see me on any issues that have arisen.
You will also need to spend time working on the ratio report test and I advise about 5 hours should be devoted to this in the holiday period. You will be asked to write 2 reports in the holiday period which will be marked by me and a suggested solution will be given out from which you can glean improvement in technique. Therefore it is a balancing act between ensuring you have the ratio report test well prepared for and also working towards the final exam by finishing the entire past exam book.
As discussed the mid year trial exam and other trial exams will be handed out for you to do by the end of the holiday period in preparation for a further trial exam at the end of Week 1 term 4 to see if you have made significant improvement since Week 1 Term 3 in your knowledge.
Revision Material
SASTA Study Guide
Essential Revision Workbook
Past Exams
Chief Assessor’s Reports

Approach to Revision
SASTA Study Guide
- Multiple choice questions; look to do your working on a spare sheet of paper so the questions are kept ‘clean’ and can therefore be re-used at a later date. Try noting you reasoning for why 3 options are incorrect for each question to increase your depth of understanding.
- Do not ignore the short answer and practical response questions; these make up over half of your end of year examination.
- For extended response questions, there is no need to write full responses; a dot point list of the content you would include is adequate and a more efficient way of using your revision time.

Essentials Revision Workbook
- A good source of summary notes for each topic.
- The recall questions at the start of these worksheets for each topic are a useful start point to check your knowledge, but focus on mastering the exam standard questions that follow these for each topic when using this resource.

Past Exams and Chief Assessor’s Reports
- The last 3 end of year examinations and Chief Assessors Reports are available at the following site: [https://www.sace.sa.edu.au/web/biology/stage-2/support-materials/chief-assessors-report-exams](https://www.sace.sa.edu.au/web/biology/stage-2/support-materials/chief-assessors-report-exams). The reports contain excellent advice related to how to approach the exam and common mistakes that students made in past exams. These reports will also be discussed in class in Term 4.
- The answers to the exams are at the back of your SASTA Study Guide.
- Don’t use past exams until the latter stages of your revision when you have a good grasp of the entire course; a week from the exam is recommended. When you do these make sure you hand write the answers (as this is what you will do in the exam), making sure your writing is legible and do at least one under timed conditions (3 hours) to simulate an exam scenario.

Specific Requirements: Term 3 and Holiday Period
- By the end of Term 3, the course content will have been completed.
- Aim to cover the entire course at least once during the holiday period. Identify the areas you are struggling with during this period. These need to become a focus for you during Term 4.
- You will need to devote some of your holiday time to preparing your final summative test related to Ecosystems.
Revision Material

1. Past Examination papers and Chief Assessor’s reports (accessible at: https://www.sace.sa.edu.au/web/chemistry/stage-2/support-materials/chief-assessors-report-exams). We will review the 2016 exam as a class in early Term 4.

2. Text book (Essentials Stage 2; Stage 1 textbook also useful)

3. SASTA Chemistry Study Guide 2017

4. Notes taken during class

5. 2017 Stage 2 Chemistry syllabus guide (can be used as a revision checklist)

Approach to Revision

Students should focus on the application of concepts rather than rote-learning. A wide range of questions from a variety of sources, as indicated above, should be completed to assist with this. Critical to doing these questions is to ensure adequate time is spent reviewing solutions which are provided for resources 1-3 listed above. Attention should be paid to the number of marks awarded for a question and the number of points made in the answer.

Students are encouraged to break their revision into smaller, more manageable components, rather than attempt longer sessions. Time is needed for the brain to forget and re-learn the information for effective memory of concepts.

Specific Requirements: Term 3 Holiday Period and/or SwotVac

All school assessment will be completed by Term 3 Week 10.

The time between this and the SACE examination is approximately 7 weeks.

During the holiday period, students may choose to attend external seminars.

In early Term 4, we will review the 2016 Stage 2 Chemistry exam and the associated Chief Assessor’s report as a class.
Revision Material

- Past examination paper from 2014 to 2016
- Print materials based on four prescribed themes and various prescribed contemporary issues
- Internet websites
- Printed publications

Approach to Revision

Prepare for External Assessment 30%

Written Examination

Exam techniques have been discussed and practiced. All students participated in ‘Trial Exam’ in T2 & 3. Performance in the trial exam will allow each student and teacher to identify the areas of strengths and weaknesses and to develop specific approaches to follow up.

The 3-hours external written examination includes:
Section 1: Listening and Responding (Q1 and Q2) – 30 marks
Section 2: Reading and Responding (Q3 and Q4) – 30 marks
Section 3: Writing in Chinese (Q5 to Q8) – 20 marks

All past examination papers will be marked and feedback will be provided. This process has started in T3 and will continue until the final exam on November.

Oral Examination

Every student will need to prepare for an external oral exam which based on their “In-depth Study”. The sample questions will be provided and one to one practice between teacher and student will be conducted in term break and continue until the date of examination.

Details of Oral examination:
Time: 9:00 – 10:00 am, Friday 20th October 2017
Venue: SACE Board

Specific Requirements: Term 3 and Holiday Period

1 revision section will be provided during Term 3 break. Students will be informed with date and time. Extra help and support are available by appointment via e-mail: mwhite@staff.pac.edu.au
Revision Material

Study/lesson notes.

The Chief Examiners Reports are the most valuable guidelines to Examination content. These explain the intent of each question, and the features of the best answers / common oversights and mistakes.


Text book

Approach to Revision

Give yourself a good environment, remove distractions. Organise your time and your work folders, handouts, study notes. Create a study/revision schedule and do blocks of revision on each topic throughout the holiday period. This keeps the material fresh in your minds.

Knowledge of current affairs is important. Update your statistics and real world examples. Go through articles sent throughout the year.

Specific Requirements: Holiday Period

Week 1

- Prepare your revision notes
- Go back over your class notes
- Rewrite to form Lists of just the sub-headings

Week 2

Complete at least two essays
1 Globalisation
1 Macroeconomics – bring them to the Start of Term 4

Swot-Vac
To be advised
Revision Material
- Concept maps which have been distributed throughout the year and collated by students themselves
- Students’ own notes
- Text responses students have constructed throughout the year
- SACE Performance Standards (marking criteria grids)
- Past examination papers
- Past SACE Assessment Reports

Approaches to Revision

*The most effective revision for English Literary Studies:*
- Rehearse the skill of writing under timed conditions by answering questions using past examination papers
- Re-read the poems included in the compiled poetry booklet to re-familiarise with stylistic features
- Become well-versed in genre-specific stylistic features and study the relevant glossaries for dramatic, literary, persuasive language techniques and poetic techniques
- Review persuasive language techniques to be able to effectively respond to critical reading questions
- Review notes/past essays/connections/scaffolds
- For comparative texts, produce revision notes that synthesise the aspects of the novels that are different i.e. symbolism, conflict, setting, plot, characters, narrative style, themes, author's purpose, style and techniques that are specific to each respective medium
- For poetry, as well as identifying techniques (particularly phonological devices) understand how they are used to convey underlying ideas.
- Recall ‘tier 1’ and ‘tier 2’ techniques
- Read a range of texts (expository and prose) and discern: form, context, purpose, audience and language

Specific Requirements: Term 3 Holiday Period and/or SwotVac

- Students will need to complete the Critical Reading section of a past English Studies Examination paper prior to the holidays
Revision Material

- MASA Study & Revision guide 2017
- SACE sample examination paper
- Textbook : Haese 12 Essential Mathematics
- Notes from class
- Past tests and the trial examination

Approach to Revision

Review the summary notes found in the Revision Guide. Make sure all aspects are comprehensively understood and that methods of solution are clear; it may be necessary to go back and check some topics and problem types. This will involve going to the text and tests and reviewing solutions.

For each of the topics as listed below use the Revision Guide and complete problems of each type. Each student should focus on his own particular weaknesses and do extra problems, and variations to gain more confidence. Do not waste time completing sections you know you can do.

Start to collate a handwritten sheet of notes for each of the topics as listed below:

**Statistics:**
- Sampling from populations
- Analysis and representation of sets of data
- Linear Correlation

**Investments and Loans:**
- Lump sum investments
- Annuity investments
- Loan annuities

**Measurement:**
- Linear Measure
- Area Measure
- Mass, Volume and Capacity

Specific Requirements: Term 3 Holiday Period and/or SwotVac

- Term 3 holidays : Work through revision guide and complete sample examination papers provided.
- Refine note sheet (1 x A4 sheets, double sided)
- Term 4 : sample examination style questions. Use these to check the effectiveness of your notes sheet.

Email your teacher for further clarification when required.
Subject: SACE Stage 2 General Mathematics

Revision Material
Study Guide (Includes many practise questions as well as past examinations and solutions.)
Past and Practise Skills and Application tasks with solutions.
Text book questions included within each chapter as well as review sets.
Study notes.

Approach to Revision
Students are encouraged to create a study timetable and to do regular study throughout the holiday period.
Good organization of study material is essential.

Specific Requirements: Term 3 and Holiday Period
Week 10 of Term 3 will involve discussing key ideas from the three examined topics and review of the summative tasks undertaken.

Holidays Week 1
Statistical Models
- Study guide questions (approx. 4 hours)
- Skills and Application tasks (approx. 2 hours)
- Practice Examinations (approx. 2 hours) self-timed and self-marked.

Holidays Week 2
Financial Models
- Study guide questions (approx. 4 hours)
- Skills and Application tasks (approx. 2 hours)
- Practice Examinations (approx. 2 hours)

Term 4 Week 1
Discrete Models
- Study guide questions (approx. 4 hours)
- Skills and Application tasks (approx. 2 hours)
- Practice Examinations (approx. 2 hours) self-timed and self-marked.

Time should also be set aside to create study notes for the final examination that will make up the final copy of the note sheet to be taken into the examination (1 double sided hand written A4 sheet).

Term 4 weeks 2 and 3
More skills and applications tasks plus a past exam reserved for this week.
Finalize preparation with a particular focus on reviewing practice examinations and areas for further focus.
Subject: SACE Stage 2 Geography

Revision Material
• SACE Essentials Workbook 5th Edition (Green Book)
• IB Examination Questions and Answers
• Geography 2017 study guide (emailed)
• Booklets of previous examination questions (Population, Water & Resources)
• Formative class tests
• 2014 Exam paper
• 2016 Mapping paper

Approach to Revision

Mapping – forms an important part of the exam, for help and revision see the ‘Essentials’ Workbook; Topic 1 Pages 1-22. See also previous examination questions & mapping exercise sheets.
  • Complete the 2016 mapping component

Population - Use the ‘Essentials’ Workbook section 2 and Global Interactions Chapter 2.1.
World population distribution & trends
Population Change
BR and DR & influences on these
Migration of people
Characteristics and interpretation of Population Pyramids
Demographic Transition Model and its limitations
Population trends in LEDCs and MEDCs
Issues arising from the changes in composition of populations (e.g. migration and ageing)
CLEAR CASE STUDIES ARE NEEDED

Resources & Water - Use the ‘Essentials’ Workbook sections 3 & 4 and Global Interactions chapter 2.2
Perceptions of resources over time
Renewable and non-renewable
Ecological footprint
Comparisons of LEDCs and MEDCs
Global consumption rates of key resources e.g. energy
Impact of the use of resources on an ecosystem
Sustainable use of resources
Case study – water as a resource (hydrological cycle, global distribution of water, human interactions with sources of fresh water).

Specific Requirements:
• Complete all initial study questions in 2017 booklet
• Term 4 : one sample examination paper each week
• Complete “cheat” sheet (2 x A4 sheets, double sided)
Revision Material

- MASA Study & Revision guide 2017
- Past Mathematical Studies exam papers
- Textbooks: Cambridge (paper & electronic copies) : Haese (Selected chapters)
- Notes from class
- Past tests and the trial exam
- Sample examinations

Approach to Revision

Review the summary notes found in the Revision Guide. Make sure all aspects are comprehensively understood and that methods of solution are clear; it may be necessary to go back and check some topics and problem types. This will involve going to the text and tests and reviewing solutions.

For each of the topics as listed below use the Revision Guide and complete problems of each type. Each student should focus on his own particular weaknesses and do extra problems, and variations to gain more confidence. Do not waste time completing sections you know you can do.

Start to collate a handwritten sheet of notes for each of the topics as listed below:

- **Calculus:**
  - Further Differentiation and Applications
  - Integral Calculus
  - Logarithmic Functions

- **Statistics:**
  - Discrete Random Variables
  - Continuous Random Variables and the Normal Distribution
  - Sampling and Confidence Intervals

Further sample examination paper(s) will be made available in term 4. Use these to check the effectiveness of your notes sheet.

Specific Requirements: Term 3 Holiday Period and/or SwotVac

- Term 3 holidays: Work through revision guide and complete sample examination papers provided.
- Refine note sheet (2 x A4 sheets, double sided)
- Term 4: sample examination papers under timed conditions

Email your teacher for further clarification when required.
Subject: SACE Stage 2 Modern History

Revision Material

• SACE Modern History Syllabus and SACE Examiner’s Report
• Summary Tables, PowerPoints and Topic Syntheses
• Guide to Source Analysis and specific source types.
• Thematic and Depth study Question Banks.
• All Test essays and Source analyses including folio tasks completed during the course.
• Technique notes + exemplars distributed after each completed task.

Approach to Revision

• Revision notes should be organised according to the content requirements of each Area of Inquiry within the Thematic and Depth study.
• Each possible Essay topic should be organised with the key arguments / historiography first followed by the specific evidence (selective stats, events, and quotes) that would be used to explain the key themes.
• Read and revise material on Source Analysis Examination approach and source types.
• Redo ALL past Source Analysis Papers.
• Complete detailed essay plans (20 minutes) + on ALL possible essay topics using question banks.
• Complete ALL Examinations since 2011

Specific Requirements: Term 3 and Holiday Period

• A ‘holiday’ revision work ‘Booklet’ will be distributed in Week 10 and tasks MUST be completed prior to a revision session which will take place on Friday 13th October at 10 am in Rm N05.
Subject: SACE Stage 2 Physical Education

Revision Material

Course Companion 1 – Exercise Physiology (Topic 1-3)
Course Companion 2 – Skill Learning and Biomechanics (Topic 4-7)
‘Live it Up 1’ & ‘Live it Up 2’ associated chapters
PowerPoint presentations for Topics 1-7
Formative quizzes/tests
Homework booklets (Topic 1-7)
Previous exam questions ‘in class’ booklet (Topic 1-7)
Previous Trial Examinations and Examinations

Approach to Revision

All revision should include reflection on previous exam based questions and the use of the suggested responses to gauge the level of understanding, recall and application. It is imperative that students take the time to acknowledge concepts that they are getting wrong or don’t completely understand and to then spend the majority of their revision time revisiting these concepts, through the above resources.

Specific Requirements: Term 3 and Holiday Period

All students should complete:

- A thorough review of your Term 3 Week 1 trial examination and the formative tests by attempting questions they found challenging, for a second time.
- A specific focus on Exercise Physiology (Topic 1, 2 and 3) due to the fact they were covered in Semester 1. These 3 topics make up approximately 65-70% of the end of year exam.
- Attempt the provided trial examinations, which will be made available before departure for the holidays break. Suggested responses will also be provided.
- Attend the 2½ hour holiday workshop which provides the opportunity to undertake a trial examination in its entirety and under appropriate conditions or to seek specific assistance.
Revision Material
Past examination questions with solutions will be given to students by the end of week 10 (term 3)
SASTA Physics Revision guide

An Examination assistance booklet will also be given to students.

Approach to Revision

The earlier you start preparing the more effective your revision will be. To get maximum benefit from an extended revision program you need to establish a plan of attack. Effective study for the examination requires several steps:

STEP 1: Planning

STEP 2: Following the Plan (consistently and diligently)

STEP 3: Monitoring your progress and possibly altering your plan.

1 – Planning:

Develop a time line

• place a sequence of areas to revise on the time line. It is suggested that you repeat the sequence of topics that has been followed in the Physics program. The last one or two weeks of your time line should be a general revision of all areas of the course.

Step 2 – Following the Plan:

• Balance your study and relaxation time carefully. It is important to have adequate exercise and sleep to enable you to learn efficiently and to think clearly. Take short regular rest breaks during long study sessions to refresh yourself.
• Summarise your notes, topic by topic and have a clear understanding of the meaning of the words used in questions as well as the scientific terms used in each topic.

Step 3 – Monitoring

It is not sufficient just to read – you must practise the skills used when answering questions. This helps you in three ways:
• it helps you to improve your skills in answering questions,
• it helps you to gain a better understanding and to learn equations and principles by putting them into context, and it helps you to identify gaps in your knowledge and skills.

A good way to prepare for a 3 – hour examination is to practise by sitting down and doing a few of the past 3 – hour examinations.
Subject: SACE Stage 2 Specialist Mathematics

Revision Material

- Textbook : Cambridge (paper & electronic copies)
- Alternative textbook : Haese & Harris
- MASA Study & Revision guide 2017
- Powerpoints : available on DayMap
- Online tasks at mymathsonline.com.au

Approach to Revision

1) Review the summary notes found in the Revision Guide. Make sure all aspects are understood and that methods of solution are clear, it may be necessary to go back and check some topics and problem types. This will involve going to the text and tests and reviewing them. The amount of this you will need to do will vary from student to student.

2) For each of the topics as listed below go to the Revision Guide and do problems of each type from there. Each student should focus on his own particular weaknesses and do extra problems, and variations to gain more confidence. All students should ensure that they have completed the list of questions which will be supplied. At this stage each student should start to formulate a hint (“cheat”) sheet for each of the topics as listed below:

- Mathematical Induction
- Complex Numbers & Polynomials
- Functions & Sketching Graphs
- Vectors in 3D
- Integration techniques & applications
- Rates of change & Differential Equations

3) This is a new course and therefore past papers do not yet exist. However, 5 sample examination papers are provided in the revision guide. Each is 3 hours long and should be attempted in a single sitting.

4) Further revision questions are provided in the guide, arranged in 3 sections each labelled Set A and Set B. Attempt each set in a single setting using the suggested time allocation.

5) Further sample examination paper(s) will be made available at the end of the course.

Specific Requirements: Term 3 Holiday Period and/or SwotVac

- Term 3 holidays : two sample examination papers (one each week)
- Term 4 : one sample examination paper each week
- Complete “cheat” sheet (2 x A4 sheets, double sided)

Email your teacher for further clarification when required.