



ST ANDREW'S COLLEGE



THE DIOCESAN SCHOOL
FOR GIRLS

St Andrew's College
and
The Diocesan School for Girls

Subject Choices for Grade 10
in 2023

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Message from the Heads

of St Andrew's College and the Diocesan School for Girls

This booklet is meant to assist pupils and their parents to make informed, creative decisions in selecting subjects to study from Grade 10 to Matric.

There are four main aspects for pupils and parents to consider in making subject choices: personal enjoyment, natural ability, tertiary education, and future careers.

By this time in their Grade 9 studies they should have gained insight into the first two aspects. The world beyond school needs to start entering their horizon, although they are unlikely to know precisely what tertiary programme they wish to follow or what types of careers they wish to pursue. University courses expect critical degree requirements and these could shape choices of subjects. All subject combinations offered at our schools could lead to University entrance.

The combined teaching staff of our two schools offer a wide range of subjects and, where appropriate, we encourage pupils to select a diverse combination.

The Deputy Head of DSG, Dr Petra Gentz, and the Interim Academic Head at College, Mr Graham Creese, are responsible for managing subject combinations and choices. They are available to explain our system and offer advice. Our Heads of Department have drafted an entry in this booklet for each subject offered. Additional information about the academic programme at our schools can be found on the school web pages: www.dsgschool.com and www.sacschool.com. We are, of course, also happy to advise you.

The enclosed Subject Choice Form is for your information and to assist you in discussing your child's choice with him/her. The final subject choice will be submitted electronically to Dr Petra Gentz (DSG) or Mr Graham Creese (SAC) by the first day of Term 3. An email with the link to the electronic subject choice form will be sent to you towards the end of the term.



Aidan Smith
Interim Headmaster, St Andrew's College



Jannie de Villiers
Headmaster, Diocesan School

General Conditions

1. College and DSG prepare pupils to write exams designed by the Independent Examinations Board (IEB), an organisation that is highly respected in our national context and internationally. The IEB is guided by the national curriculum and offers an independent assessment process.
2. Please give due consideration to the choice of subjects. Do research into possible careers at University and carefully consider your strengths, weaknesses and interests.
3. Once your decision has been made, please be aware that we discourage subject changes. Any subject change should be done through the Deputy Head (DSG) and Interim Academic Head (SAC) and requires the written consent of parents. The NSC curriculum tends to see Grades 10, 11 and 12 as a block of connected study, with a progression of outcomes. Portfolio requirements begin in Grade 10. While it will be possible to change a subject choice during the first term of Grade 10, this is not a move to be taken lightly. Only in very exceptional cases will it be possible to change a subject in Grade 11.
4. Within the constraints of the timetable, the options structure and staffing capacity, we attempt to offer a wide variety of possible subject combinations. It is not possible to entertain combinations other than those offered.
5. If too few pupils opt for a particular course, it is not educationally or financially viable to offer it, and alternative arrangements will have to be negotiated.
6. If a pupil does not have sufficient aptitude for a subject, especially in the case of subjects where very specific attributes are required, the schools reserve the right not to allow the pupil to follow that course.
7. In exceptional circumstances the IEB awards “accommodations” (usually for extra time, sometimes for spelling) in the Matriculation examination for pupils with either physical or intrinsic learning disabilities. The success of an application for such an accommodation is directly dependent on specific documentary evidence of prior intervention and support. This evidence needs to have been collected over a number of years. Mrs Jane Jarvis (DSG) and Mrs Sue Davis (SAC) are in charge of accommodation applications.

Subject Choice Structure

The National Curriculum Statement requires that pupils study four core subjects: two languages, Mathematics or Mathematical Literacy, and Life Orientation. Pupils then choose another three subjects, making a total of seven in all.

Applying this requirement to our subject offering at St Andrew's College and DSG, it is compulsory for pupils to study English in Option 1, Mathematics or Mathematical Literacy in Option 3, and Life Orientation in Option 7.

Pupils then choose one subject from each of the remaining options (2, 4, 5 and 6).

Subject Options at SAC and DSG

- | | |
|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Option 1 | English. |
| Option 2 | <u>South African Pupils</u>
Afrikaans (Home Language or First Additional Language) or
isiXhosa (First Additional Language)
<u>Pupils with "Immigrant Status"</u>
French Second Additional Language or
Mandarin Second Additional Language or
Computer Applications Technology or
Business Studies |
| Option 3 | Mathematics or Mathematical Literacy |
| Option 4 | Design, Dramatic Arts, Geography, Information Technology, Life
Sciences, Music, (Mandarin (Second Additional Language) may be
offered by arrangement) |
| Option 5 | Geography, History, Physical Sciences, Business Studies |
| Option 6 | Accounting, History, Life Sciences, Visual Arts |
| Option 7 | Life Orientation |

"Designated" Subjects have been abolished.

Up till 2017, Design and CAT were classified as non-designated subjects and did not count in order to achieve a BD pass in Matric (which qualifies your child to apply for entry to a Bachelor's Degree at University. This is no longer the case. All the subjects we offer are Designated, except for Life Orientation.

What is “Immigrant Status”?

An immigrant candidate is:

- (i) A child or a dependent of a diplomatic representative of a foreign government accredited in South Africa; or
- (ii) a person who:
 - (aa) first enrolled at and entered a South African school in Grade 7 or a more senior grade, or
 - (bb) having begun his or her schooling at a school in South Africa, has attended school outside South Africa for two or more consecutive years after Grade 3 or its equivalent, and has subsequently returned to South Africa.

Assessment, Promotion (Grades 10 – 12) and Tertiary Education Requirements

We follow the Curriculum and Assessment Policy Statements (CAPS) as set out by the Department of Basic Education and modified by the Independent Examination Board (IEB). In the process of achieving specified learning outcomes, pupils obtain a percentage. The year mark for each subject will be composed of the final examination (75%) and a portfolio of continuous assessment tasks (25%).

For promotion from Grades 10 through to 12, minimum marks per subject are required in four core and three elective subjects. According to NSC policy, the minimum requirements are: 40% in English and two other subjects, and 30% for another three subjects. (In Matric, there is no examination in Life Orientation, which is to be assessed through a portfolio.)

Admission to tertiary education institutions is based in the first instance on results achieved at the end of Grade 11, and then on the Matriculation result. In addition, all universities require applicants to write National Benchmarking Tests (NBT), which assess core skills in language and numeracy.

Admission to many first year university programmes does not require study in an equivalent subject at school. However, Matric Mathematics and/or Physical Science is often a prerequisite for programmes in Science and Business Faculties.

While the schools will do what they can to assist with university admissions, it is ultimately the responsibility of pupils and parents to find out the exact requirements of specific tertiary education programmes.

Heads of Academic Departments 2022

Department	Name	E-mail
Accounting	Mr Des Alcock	d.alcock@sacschool.com
Afrikaans Home Lang.	Ms Maretha Potgieter	m.potgieter@sacschool.com
Afrikaans First Additional Language	Mrs Annalie Hendrikz	a.hendrikz@sacschool.com
Business Studies	Mr Ian Hobson	i.hobson@sacschool.com
Computer Application Technology and Information Technology	Mr Mark Muller	m.muller@sacschool.com
Design	Mrs Joha Dreyer	j.dreyer@sacschool.com
Dramatic Arts	Mrs Susan Baker	s.baker@dsgschool.com
English	Mr J Orsmond	j.orsmond@dsgschool.com
French	Ms Nontando Mlilo	n.mlilo2@dsgschool.com
Geography	Mrs Mandy Ladds	m.ladds@sacschool.com
History	Mr Ben Whitfield	b.whitfield@sacschool.com
isiXhosa	Mrs Shelly Roodt	s.roodt@dsgschool.com
Life Orientation	Mr Jonny Mallett	j.mallett@sacschool.com
Life Sciences	Dr Ingrid Foster	i.foster@dsgschool.com
Mandarin	Ms Shuying Fu	s.fu@dsgschool.com
Marine Sciences	Mr Tim Barnard	t.barnard@sacschool.com
Mathematics	Dr Duncan Samson	d.samson@sacschool.com
Music (Director)	Ms Belinda de Villiers	b.devilliers@dsgschool.com
Music (HoD)	Mr Johan Pretorius	j.pretorius@sacschool.com
Physical Science	Mrs Kate Cobbing	k.cobbing@sacschool.com
Visual Arts	Ms Juli-Anne Norton	j.norton@sacschool.com

Information about the Cambridge A Level subjects is available in a separate booklet.

INFORMATION ABOUT SUBJECTS (alphabetically by subject)

Accounting

Offered in Option 6.

Other subjects in this option: History, Life Sciences, Visual Arts

The course covers the following topics over the three year period:

Grade 10	Grade 11	Grade 12
Accounting equation Accounting standards Journals and General ledger Financial statements Basic VAT concepts Manufacturing costs Salaries and wages	Partnerships Bank reconciliation Disposal of assets Periodic inventory Internal auditing Analysis and interpretation Manufacturing accounts	Production cost statements Companies: Statement of Comprehensive Income Statement of Financial Position Cash Flow statements Analysis of Financials Budgets Internal control Code of ethics VAT

The above table is simplistic and a very broad overview. There is considerable overlap and continuity between the Grades and work covered in the lower Grades is incorporated into and assessed throughout the course.

Pupils who are considering taking Accounting as a subject must begin with the course at the beginning of Grade 10. Pupils will not be allowed to start Accounting at a later stage due to the 'building blocks' nature of the subject. Pupils with a sound mathematical ability and who are competent in the English language will be at a clear advantage. The suggested minimum Mathematics Promotion Mark at the end of Grade 9 is 60%. An EMS result for the Accounting component should also be 60%+.

School Accounting is aimed at two groups of pupils: those who are going to continue studying the subject in tertiary studies and those who are not. Those who are planning to study BCom, BBus Sci, BEcon or any business/marketing courses at tertiary level, would be well advised to do the subject at school.

The Accounting syllabus covered at school is based on the practices and principles as applied in the real world. The syllabus is also very much in line with the first year course at university and it makes good sense to be on familiar ground for at least one subject in a typical first year BCom scenario, which includes Economics, Commercial Law and Statistics. Pupils who have done Accounting at school are at a distinct advantage over

their counterparts and achieve substantially better first year results; this has been statistically proven and gives those students a distinct advantage into their second year.

For the pupil who is not going on to do a business degree or diploma, financial literacy is equally important. Financial literacy is required in every professional career, and most forecasters are adamant that our children will end up in small businesses in as yet unmapped fields, where knowledge of the subject is vital.

Afrikaans First Additional Language (FAL)

Offered in Option 2

Other subjects in this option: Afrikaans HL, isiXhosa, French (for 'immigrants' only), Mandarin (for 'immigrants' only), CAT, Business Studies (for 'immigrants' only)

Afrikaans is a modern language with a simple grammar, phonetic spelling and a wealth of literature, music and cultural diversity. Afrikaans enables you to communicate in all regions within South Africa and it holds many benefits within the workplace. Even today, more non-mother tongue speakers understand Afrikaans than any other language in South Africa.

Afrikaans First Additional Language is offered in Option Two and lies within the fundamental component of the NSC. The curriculum requirements for First Additional Languages are considerably higher than before and learners should know from the outset that First Additional Languages require consistent commitment throughout each year. The curriculum is structured to provide equal time for reading, speaking and writing the language. Learners are encouraged to communicate in their second language and also to be able to appreciate the literature and cultural aspects.

Afrikaans Huistaal

Offered in Option 2

Other subjects in this option: Afrikaans FAL, isiXhosa FAL, French (for 'immigrants' only), Mandarin (for 'immigrants' only), CAT, Business Studies (for 'immigrants' only)

Learners taking Afrikaans Huistaal as a subject will benefit from an all-round experience of the culture, a sound academic knowledge of the language, literature, visual literacy as well as thorough textual analysis.

Most learners choosing Afrikaans Huistaal do it because of the academic and/or personal challenge. Because of its very high literature requirements and the recurrence

of English Home Language concepts and techniques, learners find that it also benefits their English. There is a good correlation between English A-candidates and Afrikaans Home Language and the examination requirements are exactly the same as for English Home Language.

It is important to note that Afrikaans Huistaal is not exclusively for mother tongue speakers. It is really for those learners who love literature and who wish to extend themselves academically, however, they should have a reasonably strong Afrikaans grounding. Huistaal also provides learners with a boosted CV for university acceptance since offering more than one language at Home Language level has become an important indicator to assess the academic potential and commitment when selecting students for ALL courses.

Please note: Learners who choose Afrikaans Huistaal in Grade 10 still have the option to move to Afrikaans First Additional Language after the July or November examinations in Grade 10 and after the July examination in Grade 11, should it be in their best academic interest.

Business Studies

Offered in Option 2 for 'immigrants' only in place of a First Additional Language

Offered in Option 5

Other subjects in this option: Geography, History, Physical Sciences

Business Studies includes relevant and current theory and practice which is essential for sustaining business enterprises. It provides opportunities for students to consider present-day challenges within the South African framework. Skills such as **decision-making, problem-solving, conflict management, creative thinking, systems thinking and effective communication** in a competitive and constantly changing environment are critical to this subject.

This subject focuses on the following key areas:

- The development of important factors that contribute towards the creation of **sustainable business enterprises**, particularly the **roles of creative entrepreneurs** who are able to **manage and lead**. To identify and research viable business opportunities and explore these and related issues.
- The different elements of the **macro, micro and market business environments**, as well as the complex and diverse nature of business sectors. To learn to analyse the impact of changing and challenging environments on business practice.

- The essential elements needed to running a business that is **socially responsible and well governed, professional and ethical**. Students need to demonstrate and apply contemporary knowledge and skills to a variety of business situations.
- The knowledge and skills to effectively manage essential operations such as **human resources, public relations, marketing and production**, within the context of **relevant legislation** and contemporary issues. To demonstrate and apply a range of management skills and specialised knowledge to perform business operations successfully and improve the performance of the business.

Sections covered:

Conflict management	Professionalism and ethics
Entrepreneurship, management and leadership	Marketing and branding
Industrial relations and legislation	Human resources
Investment opportunities and insurance	Performance management
Corporate Social Responsibility and Corporate Governance	
Creative Thinking and Problem Solving	
The micro, market and macro environments	

The purpose is to put learners in a position where they are able to effectively apply knowledge and skills to analyse and deal with different business environments, to initiate and carry out business ventures and successfully carry out business operations. Business Studies aims to equip students with a sound foundation to participate in future business, commerce and management studies at tertiary level, to enter business or to create self-employment.

Computer Applications Technology

Offered in Option 2

Computer Applications Technology (for pupils exempt from taking a FAL by the IEB or for ‘immigrants’ in place of a First Additional Language)

In 2018 the Government abolished ‘DESIGNATED SUBJECTS’. Computer Applications Technology counts towards a BD pass in the same way as any other subject (a BD pass allows a candidate to study for a degree at university).

WHAT IS COMPUTER APPLICATIONS TECHNOLOGY?

Computer Applications Technology (CAT) aims to equip learners with the skills and knowledge that will enable them to use Information and Communications Technologies (ICTs) effectively.

The subject rests on three pillars:

- The study of ICT technologies, their uses and the implications these have for modern life;
- Developing advanced proficiency in the use of Office applications such as word-processors, spreadsheets, and databases; and
- Using appropriate technologies to effectively manage information, including gathering data, processing, presentation, and communication.

We live in what is sometimes referred to as the Information Age. Information is the fuel that powers our digitally connected lifestyles, and the coin at the heart of companies like Alphabet (Google), Meta (Facebook), and Amazon. Knowing how to work with information is a vital 21st century skill.

The skills learnt in CAT translate well to university study, where computer literacy plays an increasingly vital part in many courses. As our society is increasingly dependent on digital technologies it is also hard to find a career that won't benefit from the thorough grounding in business applications that CAT provides.

Schools are required to use Microsoft Office in the practical component. For this reason, it is recommended that learners taking the subject have access to a device running MS Windows (there is not yet a MacOS version of MS Access, the database that forms part of the MS Office suite).

Design

Offered in Option 4

Other subjects in this option: Dramatic Arts, Mandarin (Second Additional Language), Geography, Information Technology, Life Sciences, Music

The course covers the following topics over the three year period:

Grade 10	Grade 11	Grade 12
The Design process: this is taught through a design portfolio in which students record their process of thoughts and ideas, responding to a given design problem.		In grade 12, Design consists of a total of 400 marks: 1. A School based assessment made up out of a written essay format research task, a variety of tests and a preliminary exam (3hr paper). All covered over term 1 and 2. (100 marks)
Design production: time management and safe practice in producing a practical product designed by the candidate.		

<p>Design theory: Design Literacy History of Design Design in a contemporary context.</p> <p>The above topics are covered repeatedly over grade 10 and 11 in various different formats to prepare the students for matric Design.</p> <p>Students are introduced to a variety of design disciplines, including Architectural and environmental Design; Interior Design; Fashion Design; Jewellery Design; Industrial Design and Graphic Design.</p>	<p>2. A year work practical project made up of a design portfolio, a design workbook, leading to the production of a product and a presentation drawing. Covered in term 1. (100 marks)</p> <p>3. An externally set practical exam project, made up of a design workbook, leading to the production of a product. Covered mainly in term 2. (100 marks)</p> <p>4. An externally set written exam paper of 3hrs based on the design theory covered over the year. (100 marks)</p> <p>Over Grade 12, students may select one or more of the specialist disciplines of study for their practical work.</p>
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In choosing to study Design a student will, amongst other things, be offered the opportunity to:

- appreciate design as an integral part of the “made world” and the underlying matrix of life;
- develop into a confident, innovative, skilled individual who can work positively towards specific goals;
- engage in problem-solving processes to develop strategies and solutions to the challenges of tomorrow;
- understand the social contribution of design with regard to economic growth, entrepreneurship and sustainability;
- develop their creative potential;
- reinforce concepts of design methodology and problem solving as a lifelong learning skill.

If you are someone who enjoys a challenge; who wants to engage in pursuits that stretch the imagination through exciting techniques; who is keen to test existing boundaries in creative fields; and who enjoys challenging the issues of today, working with both abstract concepts and real-life problems, this is the subject for you!

Design now counts fully as a subject for entry to all South African Universities!

Dramatic Arts

Offered in Option 4

Other subjects in this option: Design, Mandarin (Second Additional Language), Geography, Information Technology, Life Sciences, Music

Dramatic Arts engages students with past and present narratives that talk to the complexities of being a South African. The subject provokes students to consider their individual positions and collective attitudes, and to interrogate their thinking about our historical past and contemporary present.

The study of Dramatic Arts integrates practical experiences and competencies with the study of dramatic practices, processes and products. It aims to promote and develop creativity as a rich, diverse and productive resource through dramatic communication, interaction and representation. Students will explore how dramatic and theatrical elements are selected and combined for particular purposes within diverse contexts. Students will acquire specific training in developing the human instrument (body/voice/mind/emotions) to be able to express themselves and communicate through the dramatic arts across a range of modes and styles. They will analyse and interpret principles and elements of drama in texts and performances in context. Students will also be exposed to live performances wherever possible, whether by professionals or other students.

Dramatic Arts is a powerful tool for developing skills of cooperation and collaboration. Its elements and forms of expression are an inherent part of South African cultural and dramatic practices, processes and products, and thus the subject helps to preserve and promote our national heritage. Dramatic Arts prepares students for entry into further studies for a possible career in the drama (or related arts) field, while equipping learners with crucial life skills such as confidence, self-esteem, creativity, communication skills, empathy, self-discipline, critical and creative thinking, leadership and collaborative teamwork; which will benefit the individual in any field or future interest.

English Home Language

Offered in Option 1

English Home Language is a compulsory subject.

Although the subject is compulsory, it is certainly unwise to regard English as simply a timetable filler.

The National Curriculum Statement specifies four learning outcomes for English, three of which impact directly on pupils' performances in their other subjects. The outcomes are:

- LO 1 Listening and speaking
- LO 2 Reading and viewing
- LO 3 Writing and presenting
- LO 4 Language

On a purely practical level, it is vitally important for pupils to be able to listen attentively and speak confidently. All subjects are enhanced by the ability to read with understanding and comprehension, and the skill of writing and presenting work accurately, succinctly and logically will be of great importance throughout a pupil's working life and beyond. Although a sound understanding of the mechanics of language may seem less useful, this knowledge strengthens the ability to express oneself successfully.

There is an expectation that by Grade 12, pupils have read AT LEAST SEVEN books, which will be assessed in either a writing or an oral task.

There can be little doubt that English is the most useful world language. Most pupils will proceed to tertiary education and the ability to communicate in English is invaluable at tertiary institutions, even if English is not the medium of instruction.

Beyond these practical considerations is the importance of English as a means of cultural expression. Many of the greatest works of literature are written in English. Even a cursory knowledge of the great novels, dramas and poems plays a role in making us civilised beings. The study of literature not only puts us in touch with our inner emotions. It also encourages us to **THINK CRITICALLY** and when we learn to think for ourselves, our real education starts.

"We do not read and write poetry because it's cute. We read and write poetry because we are members of the human race and the human race is full of passion. Business, law, medicine, and engineering; these are all noble pursuits necessary to sustain life. But poetry, beauty, romance, love - these are what we stay alive for." Tom Schulman

French

Offered in Option 2 for 'immigrants' only

Other subjects in Option 2: Afrikaans, Xhosa FAL, Mandarin SAL, Business Studies, CAT

French is ranked the third most influential language of the world and is spoken as a native language in more than two dozen countries on five continents.

The aim of the course is to give pupils competent conversational knowledge of the language, and an understanding of France and its customs.

The Matriculation Examination consists of two written papers, a portfolio compiled during the year and an oral assessment. Magazines, **technology-based tools**, and CDs are used extensively to make the language as alive as possible. 'Communication' is the key factor, and this is the emphasis when teaching and assessing the language.

Besides the value that French has for extending knowledge of language generally, it is important to know that learning another language can help one understand one's own language better. Studies have shown that students who study another language often do better academically. Foreign language study can also help to increase problem-solving skills and self-discipline.

Geography

Offered in Option 4

Other subjects in Option 4: Design, Dramatic Arts, Mandarin (Second Additional Language), Information Technology, Life Sciences, Music

Offered in Option 5

Other subjects Option 5: Business Studies, History, Physical Sciences

Geography is the meeting point of many disciplines, since all of the Earth's systems, whether natural or human, interact across its surface. Geography provides a unique link between the natural sciences and humanities, creating the overview necessary for the full understanding and effective management of our planet, its people and its resources.

Geography is:

Understanding

- the natural world;
- the interactions of people with each other and with their environment;
- the opportunities and constraints facing different communities around the world.

Learning

- to manage the world, its people and its resources;
- skills for life - to enable learners to participate in building tomorrow's world and the creation of a sustainable future.

What do we study?

Grade 10

Students follow courses based largely on the investigation of the physical and human environments. We focus on comparisons between the African continent and other places around the world, with an introduction to different forms of enquiry, field-work, research and problem-solving using the principals of GIS.

Topics covered in Grade 10 include:

- The atmosphere – heating and moisture content
- Forces creating the earth's landforms
- Demography
- Water Resources

Grade 11 and 12

This exciting course aims to help students develop key skills for life through the study of important local and global issues in the following areas:

- global energy balance, global air circulation and droughts;
- Geomorphology – understanding fluvial geomorphology and structural landscapes
- coping with environmental change, such as that in coastal regions and in areas threatened by natural hazards;
- rural and urban settlement;
- resources and sustainability;
- global and local climate patterns;
- the economic geography of South Africa;
- Geographic skills and techniques (map skills, atlas use, fieldwork and Geographic information systems)

Geography and Careers

The study of Geography provides an essential base for a wide range of careers, including business management, administration and government, manufacturing, marketing, planning, tourism, environmental, resource or estate management, forestry or farming, engineering, education and many others. The broad range of skills developed through the study of Geography provides pupils with an Education for Life.

History

Offered in Option 5

Other subjects in this option: Business Studies, Geography, Physical Sciences

Offered in Option 6.

Other subjects Option 6: Accounting, Life Sciences, Visual Arts

A key focus of History is to make young people aware of their place in society as a citizen of that society. Through studying History, whether at the local, national or global levels, the study of events, personalities, and forces of change contribute to the education of citizens with a breadth of insight.

Besides the fun and enjoyment which come with learning about people and organizations, about the dramas of conflict and co-operation, the study of History develops crucial intellectual skills. The most important of these are the ability to gather evidence and to create a convincing argument on a topic of interest. The study of History enhances enquiry, research and presentation competencies (both written and oral), and develops analytical abilities. Studying History provides a platform for success in tertiary education and a life skill for the worlds of work and leadership.

History tends to attract those who enjoy its intellectual challenges and those who feel that the subject is accessible and of general interest. A pupil who reads well, comprehends easily, and writes fluently, has a distinct advantage in this subject. However, pupils who lack confidence in these areas should not be put off History. Studying History definitely improves all these skills.

The Senior Phase of History has both South African and International themes as prescribed by the CAPS and IEB policies and the department fulfils those requirements.

Grade 10 History includes

- Resistance to Apartheid (1950's and 1960's)
- French and Haitian Revolutions
- USA 1920's and the Great Depression
- The Russian Revolution

Grade 11 and 12 History includes the Matric Syllabus:

- Origins of the Cold War
- Independent Africa: Various Case Studies
- New World Order: Post- Cold War world
- End of Apartheid and Post-Apartheid South Africa (1970's, 1980's and 1990's)
- Civil Protest in the USA: 1960's protest movements

Historians become journalists, lawyers, teachers and professors, archaeologists, business entrepreneurs and leaders, civil servants and more aware, mature citizens.

Information Technology

Offered in Option 4

Other subjects in Option 4: Design, Dramatic Arts, Mandarin (Second Additional Language), Geography, Life Sciences, Music

WHAT IS INFORMATION TECHNOLOGY?

Information Technology focuses on computer activities that deal with solving problems through logical thinking, information management and communication. In particular it focuses on developing computer applications using current development tools. The subject develops awareness and understanding of the social and economic implications of using computers and how knowledge of the principles of computing can be applied to our daily lives, to the world of work and to our communities.

Practical programming forms a major part of the course from an early stage and major programming projects and software development are undertaken in the final year. These acquired skills will enhance the use of information and communication technology in social and economic applications, system analysis, problem solving, logical thinking and information management and communication.

The Fourth Industrial Revolution is built on computer code. Software solutions determine our entertainment (streaming media), the information we see (news aggregation and personal profiles) and manage our broader social interactions (social media). They play increasingly important roles in healthcare, transport, security, and in our careers. Knowing programming creates an opportunity to be part of this revolution, but also provides a basis for understanding both the power and limitations of ICTs.

Information Technology requires both creativity and the ability to think and reason logically. Expressing this in code is also a linguistic skill. Learners who do well in both languages and sciences would make good candidates for IT.

isiXhosa

Offered in Option 2

Other subjects in this option: Afrikaans FAL, French (for 'immigrants' only), Mandarin (for 'immigrants' only).

Learners choose isiXhosa FAL as a subject in grade 8, although it is possible for stronger candidates to begin studying the language in grade 10.

The focus of studying isiXhosa as an additional language is to build a fluency and understanding of the spoken language.

It is important to understand that grammar and vocabulary are the building blocks of language. In order for pupils to become competent isiXhosa speakers we focus on building on the vocabulary already acquired in the lower grades.

The following skills will be built upon in an integrated and progressive manner as pupils move on up through Grades 10, 11 and 12:

- Listening
- Speaking
- Reading and Viewing
- Writing
- Thinking and reasoning
- Language structure and use

Assessment will be continuous and will take the form of weekly oral and written assignments and tests, as well as examinations in July and November.

Life Orientation

Life Orientation is a compulsory, examinable Matriculation subject. Pupils require a minimum of 40% for Life Orientation to receive a matriculation certificate and a minimum of 50% for admission to any South African university.

The Education Department implemented the CAPS (Curriculum and Assessment Policy Statement) which has been introduced from Grade 10-12.

Therefore, the School Based Assessment (SBA) for Grade 12 in 2022 will consist of:

Common Assessment Task (CAT) A 20%
Community Service 10%

Physical Education Task 10%
2 × internal tasks (10% each) 20%

The following topics are included in the LO curriculum from Grade 10-12:

Development of the self in Society
Social and Environmental responsibility
Democracy and human rights
Careers and Career Choices
Physical Education

Life Sciences

Offered in Option 4

Other subjects in Option 4: Design, Dramatic Arts, Mandarin by special arrangement (Second Additional Language), Geography, Information Technology, Music

Offered in Option 6

Other subjects in Option 6: Accounting, History, Visual Arts

Various threads run through Grades 10-12: cells and their specializations; structure and processes of life; environmental studies; and development, change and continuity. The ecological approach is adopted for much of the teaching in Grade 10 and 11 as it examines how plant and animal organisms adapt to their environment and to each other, as well as the effect of human, social and other processes. Evolutionary changes form much of the basis of Grade 12 work. Life Sciences will be taught and assessed according to various outcomes: the ability to make decisions about present and future uses of science; environmental management; life-style choices and the application of the learning area to real life. The functioning of the human body is also a major topic in the subject in Grades 10, 11 and 12. Life Sciences differs from traditional Biology in that it requires critical thinking and application of scientific knowledge in addition to the content knowledge, while Biology is considered a content knowledge subject only.

The department aims to encourage the development of learning area specific skills and other skills such as problem solving, critical thinking, information processing to answer enquiries, satisfying curiosity; all the while encouraging pupils to think independently.

The biological content is extended to include topical, relevant issues throughout the course. This is balanced by pupils having a knowledge foundation. The aim is to prepare the pupils to focus on the application of underlying principles and concepts in a new situation rather than just relying on the manipulation of prescribed information. The development of these skills is critical because when writing their final examinations, Life Sciences pupils should be competent in the application of thinking skills, practical

skills, social skills, and locating and manipulating data, and should have the ability to communicate effectively.

Pupils choosing Life Sciences should have a solid work ethic, be conscientious about daily revision, and be able to cope with large volumes of reading, follow instructions and think independently. They should also be willing to learn the 'language' of Life Sciences and apply the terminology in a meaningful way when expressing ideas. This is of particular importance as pupils are required to write both argumentative and discursive essays.

The Grade 12 final examinations consist of three papers: Paper I (theory and application of three of the four strands of the matric syllabus); Paper II (case studies and essay on the remaining strand of the matric syllabus) and Paper III (practical examination of an unseen scenario). Learners also prepare a comprehensive portfolio of their work which makes up a percentage of their final Life Sciences mark.

Pupils enjoy the subject because the focus is on issues and not just on content; learning thus becomes more meaningful and relevant. The further development and integration of technology into our schools has now created another dimension for pupils to explore and to use in Life Sciences. Creative ways of using information technology tools are continuously being implemented in this learning area.

The study of Life Sciences will enhance career opportunities in medicine, pharmacy, agriculture, industry, biotechnology, biochemistry, microbiology, marine biology, environmental and patent law, education, research and other related disciplines such as bioengineering, psychology, nursing, and environmental science.

Mandarin

Offered in Option 2 (Second Additional Language for 'immigrants' only) and Option 4.

Other subjects in Option 2: Afrikaans, Xhosa, French, Business Studies, CAT

Other subjects in Option 4: Design, Dramatic Arts, Geography, Information Technology, Life Sciences, Music

Mandarin (the Chinese language), generally regarded as the language of the future, is widely spoken in some countries in the world. The need for acquiring this language has become more prominent than ever with the rise of the Chinese economy. Mandarin is also called Standard Chinese, an official language in China, Hong Kong and Singapore. It is one of the six official languages of the United Nations.

Mandarin has been offered as an IEB matriculation subject since 2018. The curriculum for Grades 10-12 will build on what we have done in Grade 8 and Grade 9, thus having taken Mandarin as FAL in Grade 8 and Grade 9 is a prerequisite for this subject.

This subject focuses on the language skills which include listening, speaking, reading/viewing, writing and presenting skills to help learners communicate appropriately in Mandarin. Learners will learn both the alphabetical phonetic transcription called Pinyin and the written form of the language called characters. However, the shift will be gradually from Pinyin to character writing. Learners are expected to be able to read and write without the aid of Pinyin when they reach Grade 10.

By the time they reach Matric, learners are expected to write completely in characters for their writing pieces and tests in the portfolio as well as IEB examinations (Paper 1 and Paper 2) at end of the year. As a language subject, they will be exposed to various forms of the language, such as literature, poems, short stories, texts, news and correspondence in daily life. Learners are expected to be proficient in speaking Chinese for their oral assessments. These are in the form of role play, individual discussion on prepared texts and group discussion etc.

Learners will get opportunities to experience and acquaint themselves with Chinese culture through the support of Confucius Institute at Rhodes University.

Please Note:

The following universities offer Chinese courses as a major or Honours degree: Rhodes University (major and Honours degree), University of Stellenbosch (major and Honours degree), University of Cape Town (major) and University of South Africa (major). University of Western Cape (offering Chinese language courses in Chinese Medicine and Acupuncture), Durban University of Technology and University of Johannesburg offer various selective courses from elementary to advanced level at undergraduate level.

Marine Sciences

Offered as an 8th subject

The sea is fascinating, exciting and mysterious. All life on earth depends on the sea and many of us are drawn to it through emotional or spiritual connections.

From 2022, St Andrew's College and Diocesan School for Girls have offered Marine Sciences as an additional subject, for academically capable and confident pupils. It is a new matric subject which is described as being equivalent to Geography or Life

Sciences in conceptual complexity. Marine Sciences 'counts' as a fully-fledged matric subject for access to tertiary study. A level (AS Marine Science) may be offered in Grade 11, if the subject is accepted by Universities South Africa.

Whilst much of the teaching will be blended, using a mix of recorded lectures and in-person tuition, fieldwork and practical work form a key part of the learning. Marine Sciences, as a school subject, includes study of ecology, marine biology, oceanography (including physics, chemistry and geography) and human-sea interfaces.

Whilst they are not necessary for success through the Marine Sciences subject, pupils are advised that tertiary institutions offering a BSc which would link well with Marine Sciences do require Mathematics and often require Physical Sciences. Not everyone studying a school subject wishes to study it after school, so whilst Physical Sciences and Mathematics are advised, they are not compulsory.

Face to face tuition will take place after 5pm, usually twice a week, with additional time being required for watching online lectures. Fieldtrips and practical work will be placed in the school calendar.

Mathematics

Offered in Option 3

Other subjects in this option: Mathematical Literacy

Mathematics requires an interest in problem-solving and the ability to think abstractly and reason logically. Emphasis is placed not only on mathematical techniques (such as algebraic manipulation) but also on mathematical process skills (such as reflection, investigation, explanation and justification). Mathematics as a subject demands a high level of rigour as well as critical thinking and creative reasoning.

Pupils are placed in sets, according to their mathematical ability, to ensure that each pupil learns at a manageable pace and teachers can more effectively monitor the progress of each pupil. For those pupils who have a particular flair for the subject, AP Mathematics is offered as an additional subject from Grade 11.

Mathematics is essential for any pupil intending to pursue a career in the physical, mathematical, computer, earth, space and environmental sciences or in technology. Mathematics also has an important role in the economic and management sciences.

If a pupil does not perceive Mathematics to be necessary for the career path or study direction chosen, he/she may choose to take Mathematical Literacy. However, pupils

should only opt for Mathematical Literacy once they have contacted their tertiary institutions of choice and enquired about the entrance requirements for the relevant courses.

Mathematical Literacy

Offered in Option 3

Other subjects in this option: Mathematics

One of the important differences between Mathematics and Mathematical Literacy is that Mathematics focuses on formal, more abstract mathematical concepts, whereas Mathematical Literacy focuses on the areas in everyday life where mathematics is needed, i.e. on problems and situations related to daily life contexts which require spatial, numerical or statistical competence.

The curriculum has been designed to develop skills necessary for pupils to gain confidence, become self-managing persons and improve chances of success in dealing with financial and other quantitative demands of the modern world.

Mathematical Literacy is suitable for:

- Pupils who wish to proceed to disciplines within the social and life sciences sector, since Mathematical Literacy will enable them to deal efficiently with mathematically related requirements in these areas.
- Equipping mathematically less able pupils with the skills and knowledge needed to be able to interact confidently with the mathematics encountered in everyday life.

Pupils should only opt for Mathematical Literacy once they have contacted their tertiary institutions of choice and enquired about the entrance requirements for the relevant courses. Mathematical Literacy should not be taken by those learners who intend studying disciplines at a tertiary level that are mathematically based, such as the natural sciences, commerce or engineering.

Music

Offered in Option 4 only

Other subjects in Option 4: Design, Dramatic Arts, Geography, Information Technology, Life Sciences, Mandarin (Second Additional Language)

Our vibrant Music Department is known for the diversity of genres on offer. The main areas of study for Subject Music are Performance, Theory/Composition and Music History/Listening. The use of technology plays an integral role and we have a well-equipped music studio and composition lab. Research has shown that Music has a fundamental role to play in the development of the brain, and the on-going success of a child's academic career. Many of the world's top-performing academic countries such as Japan and the Netherlands place a high value on music education, and require music training at elementary and middle school. Including music as part of a child's education impacts positively on areas such as language development, reasoning and spatial intelligence. Research, too, into the correlation between music and mathematics seems to suggest that studying music has a positive effect on a child's understanding of mathematical concepts. Apart from this, music is a craft that demands excellence, and children who are taught music also learn craftsmanship as they work to perfect playing a piece of music. A successful performance is made possible only by hard work and sustained effort, and so music pupils not only learn to stretch themselves but they also learn the joy of reward for a job well done, and the self-esteem that results from this.

In order to be accepted for Grade 10 Subject music, pupils should ideally have done Music as their SAL option in Grades 8 & 9 and have reached at least Grade 2 level (ABRSM, UNISA or Trinity) on their instrument. They should be at approximately Grade 3 level in Music Theory.

The study of Music, besides adding to one's quality of life generally, is relevant to all areas of professional performance, the entertainment industry (including radio, television and films), composition, sound production and journalism.

Physical Sciences

Offered in Option 5

Other subjects in this option: Business Studies, Geography, History

Pupils will already have studied Natural Science in Grades 8 and 9, and so will have some idea of the sort of content that we study in Physics and Chemistry. To enjoy these subjects, students should have reasonable mathematical ability, a fair command of the English language (required to describe abstract concepts), an ability to visualise in 3 dimensions, and a general interest in the working of the physical universe.

The course comprises equal portions of Physics and Chemistry. These subjects give insight into so many of our experiences and can help us to understand the behaviour of what we see around us.

An understanding of concepts is built over three years (Grades 10 – 12) and this is a difficult subject to pick up after Grade 10. The examination syllabus is covered over two years in Grade 11 and Grade 12, although valuable foundations are laid in Grade 10. Students should take Physical Science knowing that they will be required to think, to spend time revising and applying concepts and sometimes to grapple with difficult concepts. This is immensely rewarding and develops grit and resilience, but there are no short cuts to understanding and students need to choose the subject with the correct mindset: ready to face a challenge and master it!

Physical Science is a prerequisite for many areas of scientific study, including Electronics, Pharmacy, Engineering and Medicine. Many of the technical diplomas at Technikons require or recommend it, as do many degrees in the Faculties of Science, Engineering, Medicine, Veterinary Science and Dentistry. However, these courses will often also have a minimum points requirement for entry and so merely offering Physical Science may not be enough to get into these courses.

Pupils choosing to do Physical Science may not take Mathematical Literacy as a subject and should they change to Mathematical Literacy at any stage, will not be allowed to write Physical Science (this is an external ruling). For this reason, the suggested minimum Mathematics Promotion mark at the end of Grade 9 is 60%.

Visual Arts

Offered in Option 6.

Other subjects in this option: Accounting, History, Life Sciences,

It is the ambition of the Visual Arts Department that our pupils learn to develop and express their individuality through their creativity. This ethos is pertinent in the theoretical and practical component of the subject. Pupils are taught to express themselves in their practical work by using and developing their own ‘personal symbolism’ or ‘visual language’. Fifty percent of the subject is Visual Culture Studies, aka Art History, and the other fifty percent is practical work.

The theoretical and practical components of the subject are taught in an integrated manner. Pupils are taught that Art is a visual language and that the history of art and the ability to think, evaluate and synthesise information is crucial to the development of their practical work. Visual Culture Studies also includes aspects relating to anthropology, theology and philosophy.

The subject demands that pupils extensively explore their choices of subject matter as well as evaluate what they are learning in theory classes. It goes without saying that we

value conceptual thinking most highly. Art is not an isolated subject and every effort is made as far as possible to illustrate this fact to pupils by linking themes to current affairs and course structures and or syllabi from other subjects. Pupils are also exposed to some of the various niches of the art world, i.e. graphic design, corporate art, craft etc.

In the practical component the development of creative process is of utmost importance and it is within the context of the visual journal/diary that true integration between the practical and theory components is formed. Pupils work from their own images, i.e. photographs etc., as far as possible and they are taught and encouraged to conduct proper research. In essence, the visual journal/diary provides a platform for all facets of the subject. *It is imperative that pupils wanting to take Visual Arts at a FET level realise that it is expected that they work on their art on a daily basis.* Like any practical subject the development of skill requires practise and active participation.

In conclusion, the subject holistically strives to encourage problem solving and independent thought. We, as educators, endeavour to ensure that pupils who leave our department in Grade 12 have an inherent understanding of the value of Art; we also aim to prepare pupils who wish to study art/design related subjects at tertiary level with the necessary skills to succeed in their pursuit in becoming artists/designers in their own right.

For candidates who do not choose to study Art at a tertiary level it is crucial to acknowledge that Visual Arts as a subject strives to equip learners with following important skills/attributes:

- Language Development
- Research Methodology
- Synthesis of Learning.
- Decision Making and Problem Solving.
- Visual Literacy
- Cultural Awareness

Further Studies English

Further Studies English is an **optional, additional** course which pupils can take from Grade 11 to Grade 12. One final paper is written as part of the IEB Grade 12 examinations. Further Studies English is benchmarked as equivalent to A-Level English Literature and most South African universities award 'added value' or points to pupils who pass the course. Several SAC and DSG pupils who have studied Further Studies English have been accepted at British universities.

The purpose of Further Studies English is to provide learners who have significant enthusiasm for English with the opportunity to increase their knowledge, skills, values and attitudes associated with English. The study of Further Studies English is intended to provide learners with the opportunity to extend themselves by engaging with challenging poetry; texts and films which will enable them to respond to literature in its broadest context.

This is a challenging course and demands of pupils to be avid readers. Pupils who have completed the course, however, frequently remark on the benefits the course holds once they have started tertiary study. They have learned to think for themselves, justify their opinions and consider and analyse information across disciplines.

Classes are held once a week in the evenings and attendance is both necessary and compulsory.