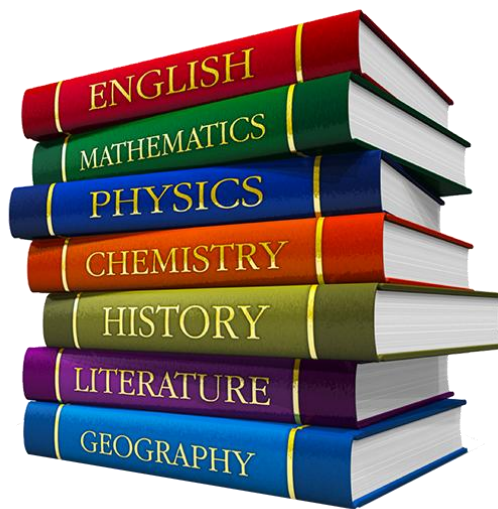


THE KING'S SCHOOL ROBIN HILLS



Subject Choice Information Pamphlet

For Grade 10 in 2027



Commit to the
Lord Proverbs 16:3
whatever you do, and He will establish your plans



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ENGLISH

English is taught at home language level. We cover these four aspects: listening, speaking, reading and writing.

Main topics covered from Grades 10 – 12

- Transactional writing: both formal and informal styles (editorial, blog, email, speeches).
- Essay writing: argumentative, discursive, reflective, narrative, literary and descriptive.
- Literature: study the works of a range of poets from a variety of movements; study one Shakespeare, and a selection from: novels, short stories, plays and films each year.
- Language and comprehension skills are developed: language rules and the application thereof, textual editing, analysis and synthesis of texts.
- Oral: listening skills; prepared and unprepared speeches; prepared and unprepared reading.

The final IEB assessment comprises of:

- Written Portfolio 25%: Essays, Fourth Literature Genre, Tests, CAT essay (controlled by IEB) and Prelims.
- Oral Portfolio 25%: prepared speaking, reading, listening skills, conversation and speaking skills.
- Final exams 50%:
 - Paper 1 (3 hours) - 100 marks: Reading: comprehension, summary, language, poetry, visual literacy.
 - Paper 2 (3 hours) - 100 marks: Writing: Shakespeare essay; novel essay; 2 transactional writing tasks.

Reading age-appropriate novels is continuously encouraged.



FURTHER STUDIES ENGLISH

Further Studies English is offered to any learner who is currently achieving an 'A' or 'B' symbol in English Home Language. Further Studies English is offered during **Grade 11 and Grade 12** and is offered outside of normal school hours. There is a 1-hour lesson once a week. Reading the texts and self-study texts is essential as time does not allow for topics to be covered in detail during class.

What skills are needed?

It is essential that the learner is able to write fluent, well-structured and engaging literary essays in order to excel in this subject. Students must be able to draw inter-textual links between texts in order to structure sophisticated arguments which respond to the broad questions pertaining to the themes and different choices of genre.

The purpose of Further Studies English

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. Further Studies English is also recognised as equivalent to UK A levels.

The scope of Further Studies English

Further Studies English is aimed at increasing the number of learners who through competence and desire enter Higher Education to pursue a career in which English features as a chosen major. Further Studies English is an extension and challenge for learners who demonstrate a greater than average ability in, or enthusiasm for English. The knowledge gained from being exposed to the Advanced English Programme is anticipated to engender a passion for literature as well as provide learners with the opportunity to demonstrate their personal voice in response to their chosen texts.



AFRIKAANS OR ISIZULU

(FIRST ADDITIONAL LANGUAGE)

Four aspects are covered:

- Reading & understanding
- Listening & speaking
- Language & application
- Writing

The final IEB assessment comprises of:

- Written Portfolio work = 25%
 - Essay writing
 - Orals
 - Poetry
 - Literature Summaries
- Oral Portfolio work = 25%
- Exam Paper 1: Language = 25%
 - Comprehension, Summary, $\pm$ 10 Poems, Language, Communication.
- Exam Paper 2: Transactional Writing = 25%
 - Functional & creative writing based on a Novel.
- Exam Paper 1 & 2 = 50%



MATHEMATICS (CORE MATHS)

- **What is Core Maths?**

It involves **abstract problem solving** and **reasoning**. It is geared to prepare young people for specific fields of study such as engineering, accounting, actuarial and medical science. If a learner wishes to pursue such a career, he/she should study Core Mathematics.

- **Main topics covered for final examination in Grade 12:**

- Paper 1

The Real Number System, Exponents, General Algebra such as Products, Factorising, Solving Equations and Inequalities, Patterns, Functions, Differential Calculus, Financial Maths and Probability.

- Paper 2

Analytical Geometry, Euclidean Geometry, Trigonometry and Statistics.
Included with the papers is a formula sheet.

- **The final IEB assessment comprises of:**

- The CAPS document has a **30% higher order and 70% lower order split in Grade 9**. All IEB assessments in the senior phase will be a **50% higher order and 50% lower order split**. This means the rigour and difficulty of assessments increases.
- From Grade 10 to 12, the Maths syllabus becomes increasingly demanding and requires dedicated focused daily practice.

MEANS OF ASSESSMENT (GRADE 12)

Paper 1 3 hours

Paper 2 3 hours





REQUIREMENTS:

MATHEMATICS EXAMINATION PAPER 1 (GRADE 12)

Weighting of Content Areas	
Description	Marks
Algebra and Equations (and inequalities)	25 ± 3
Patterns and Sequences	25 ± 3
Finance, growth and decay	15 ± 3
Functions and Graphs	35 ± 3
Differential Calculus	35 ± 3
Probability	15 ± 3
TOTAL	150

Trigonometric graphs will only be examined in Paper 2.

MATHEMATICS EXAMINATION PAPER 2 (GRADE 12)

Weighting of Content Areas	
Description	Marks
Bookwork	6 maximum
Statistics	20 ± 3
Analytical Geometry	40 ± 3
Trigonometry	50 ± 3
Euclidean Geometry and Measurement	40 ± 3
TOTAL	150

SCHOOL BASED ASSESSMENT (SBA)

SBA comprises 25% of the total assessment for the National Senior Certificate. The requirements for the school-based component of the senior certificate assessment are outlined in the table below.

LEARNER FILE REQUIREMENTS FOR GRADE 12

Descriptions	Weighting	Mark
2 short items chosen from the selection OR 1 long item chosen from the selection	2×15 1×30	30
Three tests: Standardised and at least 45 minutes to an hour in duration in controlled environment, consisting of Paper 1 and Paper 2.	3×10	30
Grade 12 Preliminary Examination consisting of Paper 1 & 2	2×20	40
Total Marks:		100

In order to take Core Mathematics in Grade 10 the learner must receive a **minimum of 40%** in the Grade 9 year-end exam.



FURTHER STUDIES MATHEMATICS

Further Studies Maths is offered to any learner who is currently easily achieving an 'A' or 'B' symbol in Core Mathematics and is offered outside of normal school hours.

There is a 60 minute lesson once a week. During the school year there are approximately 30 days in which the whole curriculum has to be completed.

Self-study and extra work are essential to stay up to date with the curriculum as time does not allow for topics to be covered in detail during class. It is a subject which requires dedication and commitment.

It also involves extra cost for textbooks and notes, which will be billed on your school account.

Further Studies Maths is highly recommended for the learner wanting to pursue a career in Mathematics, Engineering or Science. Further Studies Mathematics is also recognised as equivalent to UK A levels.

Further Studies Maths comprises of:

Complex number theory

Algebra

Calculus

Matrices

Graph Theory



MATHEMATICAL LITERACY

- **Why do Mathematical Literacy?**

Mathematical Literacy includes topics covering a variety of practical applications for everyday life. It is a fallacy that with Mathematical Literacy one cannot attend a university or obtain decent employment. For a list of the many jobs for which Mathematical Literacy can be taken, please see the following website:

<https://careerplanet.co.za/what-can-degrees-can-i-do-with-maths-literacy/>

- **Main topics covered from Grade 10 – 12:**

- Numbers, calculations, patterns, relationships and representations (formulae, tables and graphs) – these are integrated into the application topics below:
- Finance
- Measurement
- Maps, plans and representations of the physical world
- Data handling
- Probability

- **The final IEB assessment comprises of:**

Portfolio breakdown:

Description	Weighting
Two alternate assessment tasks (1-2 hours)	2 x 15%
Two controlled tests	2 x 15%
Preliminary examination (Papers 1 and 2)	2 x 20%
TOTAL	100%

Exam information:

The final examination comprises of the following papers:

Paper 1 (3 hours, 150 marks) • Finance • Data handling • Probability	Paper 2 (3 hours, 150 marks) • Maps and Plans • Measurement • Probability
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Total:

The portfolio mark out of 100 is converted to a mark out of 25. The exam total out of 300 is converted to a mark out of 75. The two are added to give a final total out of 100%.

- **Who should do Mathematical Literacy?**
 - Learners who prefer calculations that relate to real life scenarios;
 - Learners who have found Grade 9 Maths very challenging and time-consuming;
 - Learners whose passions and future career aspirations do not require core Mathematics for future studies, i.e. those who do not want to become specialised science or commerce graduates such as a Medical Doctor, Architect, Chartered Accountant etc.
- **Challenges a student might experience in this subject:**

Learners may expect to excel in the subject without effort but it is necessary to master the practical way of thinking which often takes time. Support is given daily and one-on-one attention as and when necessary.
- **Homework in Mathematical Literacy**

Generally very little homework is given as we thrash out solutions to problems together in the classroom. However, homework is sometimes necessary and especially in the Matric year due to time constraints. The best way to improve in this subject is through practice and that becomes the responsibility of each individual learner.
- **Benefits**

Mathematical Literacy is one of the few subjects where marks generally improve with time. The same syllabus is covered in Grades 10, 11 and 12, just with more depth each year. It is a fun subject and the practical application gives the learners life skills and at the same time enhances their problem solving techniques and abilities.



LIFE ORIENTATION

LO is a compulsory subject that aims to contribute towards holistically preparing learners for life.

Topics covered include: development of the self in society; social and environmental responsibility; democracy and human rights; careers and career choices; study skills and physical education.

Various activities, outings and guest speakers make LO relevant from Grade 10 to 12:

- First Aid courses (Level 1 in Gr10 & Level 2 in Gr12)
- Job shadowing (Gr11)
- Leadership camp (Gr11)
- Line Dancing/Ballroom dancing lessons in preparation for the matric dance (Gr12)

Grade 10 & Grade 11: LO is assessed by means of various projects, tests and June and November exams. PE tasks and PE/sports participation also count towards LO.

Grade 12: LO in Grade 12 does not have a final IEB year-end exam but is assessed by means of a portfolio that consists of Grade 12 work and community service from Grades 10 to 12. The final IEB examination is in September.

The final IEB Grade 12 assessment comprises of:

- Smaller tasks (30%): learners complete various portfolio projects. Valuable research and referencing skills that are essential for university are covered.
- PE assessment (10%): includes practical and written components.
- CAT A: IEB set task (20%): learners complete a written task; which is set by the IEB and marked by LO teachers.
- CAT B: IEB set exam (30%): A 2 hour exam (set by the IEB and marked by the LO teachers) includes short questions and a discursive essay.
- Community service Certificates (10%): Gr10: minimum of 20 hours of community service.

Is LO important? Definitely, yes! In addition to the valuable life skills covered, a learner's results in LO influence their ability to gain entry to university as most universities set minimum achievement levels for LO and/or allocate APS points.

Please note that in order for Grade 12 learners to be mentioned on the IEB outstanding or commendable achievement lists, a learner must achieve an "A" for LO.



ACCOUNTING

Main Topics covered from Gr 10-12:

- Financial Statements of sole proprietors, partnerships and public companies.
- Ratio analysis of these financial statements
- Budgeting
- Manufacturing organisations
- Reconciliations
- VAT
- Fixed Asset management

The final IEB assessment comprises of:

The final IEB exam counting 75% of the final mark

Portfolio submitted to the IEB counting 25% of final mark

The portfolio consists of:

- 1 assignment 25%
- 3 controlled tests $3 \times 15\% = 45\%$
- Prelims 30%

Other:

Prerequisite is a minimum of 50% for Grade 9 Mathematics.

Learners should consider taking Accounting due to its myriads of practical benefits and relevance in various career paths. Accounting provides essential financial literacy and numeracy skills that are crucial in both personal and professional life. By studying Accounting, learners gain a deeper understanding of financial transactions, budgeting, and the principles of managing money, empowering them to make informed financial decisions in the future.

Moreover, Accounting serves as a foundation for pursuing careers in finance, business, and entrepreneurship. Whether one aspires to become an accountant, financial analyst, business owner, or even a leader in any industry, a solid understanding of accounting principles is vital to comprehend the financial health of an organisation and strategize for its success.



BUSINESS STUDIES

Learners who choose Business Studies are exposed to the way in which a business functions. A detailed analysis of the different environments and the effects they have on the business, are considered. These include identifying all the different departments or functions that the business performs. Learners also learn to analyse and devise strategies that help lead to the success of various business ventures. Identifying and researching business opportunities and the development of critical thinking and entrepreneurial skills are covered to ensure that a learner is able to fulfil a variety of roles within the business. Learners are taught all the above skills using relevant case studies about companies to ensure that they are given a real 'feel' for what it would be like to really work in or own a business.

Business Studies is a 'hands-on' subject that provides learners with practical experience that can help them in their future careers. It trains an analytical mind that allows them to not only look at a problem in isolation but to investigate the impact on the business as a whole.

The final IEB assessment comprises of:

Business Studies has 1 paper in the final matric examination which covers the application of business knowledge and concentrates on problem solving and analysis. The exam counts 75% of the learner's final mark and the remaining 25% comes from the portfolio.

SBA Item/Portfolio breakdown:	Weighting (%)
Preliminary Examination	30
Control Tests	
Sections A and B	20
Section C (Business Report)	20
TASKS	
2 tasks to be chosen from the list below:	
A. Media Review (Film; Book; TV Series/Episode)	2 x 15%
B. Oral/Debate/Role Plays	
C. Business Simulations	
D. In-depth Case Study OR News Article Analysis	3
E. Entrepreneurship OR Business Plan	

Types of learners that Business Studies will appeal to:

Learners who would like to be budding entrepreneurs and anyone who would like to take on management positions. They should be able to think critically and creatively; have an inquiring mind and be willing to debate various current issues.

Challenges

There is a lot of content to study. Planning is important so as to avoid cramming at the last minute.

Prerequisites

There are no prerequisites for a learner to take Business Studies. All that is required is enthusiasm to learn and contribute to lessons.



COMPUTER APPLICATIONS TECHNOLOGY

CAT is the study of the components of a computer system and how to use them to solve everyday problems. It will prepare you for life in the technological world. This is a very practical skills-based subject which will help you at university, college and the workplace.

Computer Applications Technology aims at developing computing skills in the following packages: Word, Excel, Access, Explorer, Outlook and Power Point and basic HTML (webpage). Learners will be able to use the Internet, and understand the role that it plays, find relevant information, process it, make decisions and learn how to use ICTs responsibly. A fairly high level of competency is expected.

If you enjoy working with computers and its many applications, then CAT is a good subject to take. The great advantage of this subject is that it provides skills that can be applied immediately in the classroom and the workplace. Like all matric subjects, CAT will require consistent application and hard work. A laptop or desktop is compulsory. Microsoft Office 365 or Microsoft Office Suite (later than 2016). Office suite should include Microsoft Word, Microsoft Excel, Microsoft PowerPoint, Microsoft Access.

The final IEB assessment comprises of:

Portfolio breakdown (counting 25% of final year mark)

- 4 Portfolio pieces,
- 2 Tests – 1 Theory and 1 Practical
- Prelim Exams – 1 Theory and 1 Practical

Exam information:

- Theory Paper (3 hours): 25% of final year mark
- Practical Paper (3 hours): 25% of final year mark
- Practical Assessment Task (2 Phases): 25% of final year mark



GEOGRAPHY

Main topics covered from Grades 10 – 12:

- Geographic skills and techniques
- Climate and weather – the atmosphere, weather systems influencing South Africa.
- Geomorphology – earth, rocks, landforms, fluvial processes
- Population & Settlement
- Water resources
- Development
- Resources and sustainability
- Economics

The final IEB assessment comprises of:

Portfolio breakdown (counting 25% towards final mark):

- 3 Portfolio pieces
- 2 Cycle Tests
- Prelim Exams

Exam information (counting 75% towards final mark):

2 Papers:

- 3 hour Theory Paper for 200 marks
- 1½ hour Mapwork Paper for 100 marks

There are currently many job opportunities in Geography, from environmental and sustainability consulting, urban planning, education and Geographical Information System consultants.

Geography is a subject that is relevant to the current world and future focused with emphasis on new GIS technology and forward planning across many fields. It develops critical thinking skills which helps one to look at situations and be able to express an opinion about it. Learners are taught essay writing skills where providing facts is very important. Geography creates a sense of the awesome power of God's creation and it explores ways of sustainably preserving it and teaches the learners the value of being a part of protecting and looking after the world we live in. We do outings every year from Gr 10 to 12: these vary from day outings to going away for a night or two.



HISTORY

Main topics covered from Grades 10 – 12:

- The Russian Revolution and the growth of Communism
- Capitalism in the USA – including the Great Depression.
- Pseudo-Scientific ideas on race – Scientific Racism, Social Darwinism and Eugenics
- The Cold War- The Vietnam War, Cuban Missile Crisis, China, Berlin Crises etc.
- Independent Africa – Case Studies on the Congo, Tanzania and Angola
- Civil Protest in the 1960s in America - Civil Rights Movement, Black Power Movement, etc.
- Civil Protest in South Africa – Internal and external responses to Apartheid including Black Consciousness Movement and sanctions etc.
- Coming of Democracy in South Africa – Release of Mandela and negotiation to establish a democratic South Africa etc.
- End of the Cold War & Globalisation

The final IEB assessment comprises of:

- Portfolio breakdown: (counting 25% of the final mark): 3 Alternate tasks, 2 class tests/ exams, 2 Preliminary exams.
- Exam information (75%): Two exams:
Paper 1: Discursive Essay and Extended Writing paper (100 marks in 2 hours)
Paper 2: Source-Based paper (200 marks in 3 hours)

What do learners gain from the study of History?

Choosing history as an elected subject offers numerous benefits and holds substantial importance, both academically and professionally as we need lessons on humanity to value and understand those around us. Here are some reasons why you should choose this as a subject in Gr10.

Appreciating Our Heritage: History is a key to unlocking the rich tapestry of human experiences. By studying historical events, cultures, and societies, you gain a profound understanding of civilisations, traditions, and the complex interplay of ideas that shape the world we inhabit today. This appreciation of heritage fosters empathy, cultural awareness, and open-mindedness, which are invaluable qualities in a diverse and interconnected global society.

Critical Thinking and Analytical Skills: History is not just a collection of dates and facts; it's an exploration of cause and effect. Analysing historical events and understanding the motives behind them sharpens your critical thinking skills. History teaches you to assess evidence, form hypotheses, and make well-reasoned arguments. These abilities are universally applicable and will serve you well in various academic disciplines and real-world situations.



Learning from Mistakes: The famous saying, "Those who cannot remember the past are condemned to repeat it," underscores the importance of studying history. By examining past errors, successes, and social changes, you can gain insights into current challenges and avoid repeating past mistakes. History is a teacher, guiding societies toward progress and advancement.

Developing Communication Skills: The study of history encourages effective communication, both in written and verbal forms. As you delve into historical narratives, you'll learn to articulate complex ideas concisely and coherently, a skill highly sought after in academia, the workplace, and public speaking engagements.

Fostering Research Skills: History requires extensive research, allowing you to refine your ability to gather and evaluate sources, ensuring the accuracy and credibility of information. These research skills are invaluable across various fields and can be applied in careers that demand meticulous data analysis and problem-solving.

Professional Applications: A background in history opens doors to a diverse range of professions. For instance:

- **Education:** With a History degree, you can inspire future generations as a History teacher or professor, passing on your passion for understanding the past to young minds. Added to this, with an interest in understanding the rich histories of learners any teacher will be better equipped to not only teach for the content but teach for the connection.
- **Law:** Legal careers, especially in areas like constitutional law or human rights, benefit from a comprehensive understanding of historical precedents and societal developments.
- **Journalism:** Journalists with historical knowledge provide a context-rich perspective on current events, producing more insightful and nuanced reporting.
- **Museum and Archival Work:** For history enthusiasts, curating exhibitions or managing historical archives allows you to preserve and share our collective heritage.
- **Policy Analysis:** Understanding historical policy implementations and their outcomes can inform effective decision-making for policymakers.
- **Research and Analysis:** Historians can work in research institutions, think tanks, or historical consulting, offering expertise in analysing past events to inform contemporary challenges.
- **Theology and pastoral work:** To understand God's Word is to study the history along with it. If you want to become a pastor or counsellor, you will need to know the Bible as well as the history around it very well.



- Psychology and social sciences: Work with humanities will require an understanding of the history behind it. Knowing where theories originated and why this links back to history.

If you really think of it, History could benefit anyone who works with people.

In conclusion, choosing History as an elected subject is not merely an exploration of the past, but a journey that empowers you with critical skills applicable across various professional fields. It fosters a deeper appreciation of our collective heritage, equips you with critical thinking and research abilities, and opens the door to a multitude of career opportunities. Embrace History, and you will discover the keys to understanding the past, interpreting the present, and shaping a better future.



HOSPITALITY STUDIES

Main topics covered from Grades 10 – 12:

- Hospitality Studies is a skills-based subject. Learners at the end of the 3 year phase acquire skills in both food preparation and food service.
- The outcome achieved at the end of Grade 10 is the service of plated and buffet breakfasts and light 2-course meals.
- At the end of the Grade 11 the learners are able to plan, prepare and serve a 3 course meal, a cultural themed menu and a high tea.
- Finally at the end of Grade 12 the learners are able to plan, prepare and serve appetisers for a cocktail party and 4-course meals.
- We take a number of field trips where possible:
 - Grade 10 to a cheese farm and to a coffee outlet or barista demonstration.
 - Grade 11 we visit a herb farm and enjoy a high tea at a local establishment.
 - Grade 12 we visit the local butcher.
 - Each grade will complete an Anchor Yeast baking course.
- Highlights during the 3 years would be classes hosted at school by local chefs.
- We have a number of restaurant functions during the 3 years. They are hosted by our learners; the auditorium foyer is transformed into a restaurant and a minimal fee is charged for either a buffet breakfast on a Saturday morning or for 4-course dinners on Wednesday evenings.



The final IEB assessment for Hospitality Studies comprises of:

Portfolio breakdown:

- 2 tasks, 2 controlled tests (cycle tests), June exam and Prelim exam

Exam information:

- Theory examination: 3 hours for 200 marks (comprises 50% of the final mark)
- Practical Assessment Task: 6 hours moderated by an IEB moderator takes place during Prelim exams as a restaurant function (comprises 25% of the final mark)
- During the course of the year practical skills tests are done which all contribute to the final practical mark. These practical skills tests take place during the June and November exams; the duration of these is 4 hours.

The type of student who would enjoy this subject:

- Hospitality studies is not just another ordinary subject as it equips learners with important life skills, not just cooking skills, but planning skills and crisis management to mention only two.
- This is a subject for any learner who is passionate about cooking, food and is creative. It will appeal to learners who enjoy an adrenaline rush!
- A student will have to be able to work under pressure while always keeping a sense of humour!



INFORMATION TECHNOLOGY (IT)

IT is not only a subject for those who wish to pursue a career in IT, but also a valuable subject for anyone in any career. IT should not be confused with Computer Literacy which all learners do in Grade 9, covering various Microsoft applications. IT is vastly different in that we do programming in Java which is an object-oriented programming language. Programming requires logical and structured thought and many of the programs involve mathematical calculations which is why there is a 60% minimum Grade 9 Mathematics requirement to take IT.

IT is NOT for those who want to play computer games... it is for those who want to create useful programs and applications that solve problems. The majority of the time in IT is spent creating interactive programs that manage, process and sort data and we use graphics to a limited degree. A laptop or desktop computer is required. Students must have access to Microsoft Office 365 or Microsoft Office Suite (version 2016 or later). Java, NetBeans 19, and JDK 1—software necessary for coursework—can be provided by the school to enable learners to complete assignments from home.

Some of the practical topics covered are:

- The use of variables, loops and conditional statements
- Creating a user interface
- Creating objects and arrays of objects
- Database design and querying with SQL statements

Some of the theory sections covered are

- Computer hardware and software
- Networking
- E-communication
- Social and ethical issues related to ICT

The final IEB assessment comprises of:

Portfolio breakdown (counts 25% towards final mark):

- SQL Test
- Normalisation Test
- OOP Test
- Theory Test
- Data Aware Components
- Preliminary Examination (1 Theory and 1 Practical)

Exam information (counts 75% towards final mark):

- Theory Paper (25%)
- Practical Paper (25%)
- Practical Assessment Task (25%)



LIFE SCIENCES

All the topics learners cover in Grade 12 are relevant and current and are ideal for discussion and for teaching logical and scientific thought. The four areas in Grade 12, all of which are interlinked, are genetics, reproduction, population dynamics and evolution.

The final IEB assessment comprises of:

Portfolio (counting 25% towards final mark):

A case study or a controlled writing piece
2 practical assessment tasks
2 tests
2 prelim exams

Exam information: Three papers (counting together 75% towards final mark):

Paper 1 - 3 hours – short and medium length questions, including case studies
Paper 2 – 2 hours – 1 argumentative essay and 2 case studies
Paper 3 – 90 minute Practical Assessment Task

Life Sciences will be enjoyed by learners who are interested in the human body and in the world around them. If they are thinking about studying any scientific discipline (except pure science or maths) after school, Life Sciences should be a prerequisite.

Learners are expected to write argumentative essays and have the ability to think scientifically. Both language and scientific reasoning are important as it is no longer a subject where just facts are learnt, however, the facts form the foundation on which the skills are built. Thus there is a large volume of facts that need to be memorised and then also applied in various contexts.



PHYSICAL SCIENCES

Physical Sciences include the study of Physics and Chemistry. The two parts have the same weighting and count towards one subject.

Physical Science **must be taken together with Core Mathematics** and not with Mathematical Literacy.

Knowledge area: Physics

- Mechanics: equations of motion, momentum, free fall, work energy etc.
- Electricity and magnetism.

Knowledge area: Chemistry

- Matter and materials: rates of reactions, equilibrium, acids and bases etc.
- Chemical change.

Portfolio work Gr 12 (counts 25% towards final mark):

- Physics practical work: 3-4 individual practical experiments
- Chemistry practical work: 3-4 individual practical experiments
- 2 Formal assessments: one formal test in Physics and one in Chemistry
- 2 Prelim papers set out in the same format as the IEB end-of-year exams

Two final exams (counts 75% towards final mark):

- Paper 1: Physics
- Paper 2: Chemistry

Learners do individual practical work in both Physics and Chemistry and this includes drawing graphs, writing up experiments and interpreting practical results. The application of theoretical knowledge in problem solving requires logical thinking skills and a good understanding of basic concepts of the subject.

The prerequisite for Physical Sciences is a **minimum** of 60% for Mathematics and Physical Sciences at the end of Grade 9. It is however preferable to achieve a 70% for Physical Sciences in their final mark as the workload and intensity increases substantially after Grade 9. Consistent hard work is crucial.

The learner with an inquisitive mind will enjoy the many challenges that he/she will experience when applying basic knowledge to more involved problems.



SPORT AND EXERCISE SCIENCE

Sport and Exercise Science is an academic subject that includes the scientific study of Physiology, Psychology, Motor Control/Learning, and Biomechanics. It gives you an understanding of sports performance and the factors that affect behaviour in sport. You also gain subject-specific knowledge in areas such as biochemistry, injuries and nutrition.

You'll also develop a set of core skills including:

- research and data analysis
- the ability to work on your own and as part of a team
- presentation and oral communication skills
- written communication skills, including report writing
- a good understanding of information technology

Types of learners that Sport and Exercise Science will appeal to:

Learners who would like to work in the sports industry and/or who are interested in sports as a whole. They should be participating in sport of any kind, be motivated to take part in lots of physical activities and be willing to assist our school athletes.

Challenges

A lot of practical work and, like all subjects, sometimes being willing to work during holidays/weekends.

Prerequisites

There are no prerequisites for a learner to take Sport and Exercise Science, but it would be advantageous to also take Life Science.

The final IEB assessment comprises of:

Portfolio (counting 25% towards final mark):

Portfolio items	Weighting
Preliminary Examination	30
Controlled Tests	2 x 15
Two tasks chosen from the following: • Oral presentation • Visual task • Case study • Media review • Practical task	2 x 20

Final Matric Theory Exam (counting 50% towards final mark)

Practical Assessment Task (counting 25% towards final mark)



VISUAL ARTS

In 2019 Forbes magazine listed Creativity and Emotional intelligence (EG) as the most important skills for employees of the future. These are amongst the core skills that Visual Arts develops. In a world with increasing reliance on technology and artificial intelligence human workers of the future will need to be creative and emotionally intelligent, to fully realise their potential and meet the demand for new ways of thinking, in the future workplace. A person's ability to be aware of, control and express their own emotions as well as being conscious of the emotions of others, describes their emotional intelligence. Robots cannot compete with humans in creativity and a machine can't replace a human's ability to connect with another human being. This means, in the future for which we are preparing our learners, creative and emotionally intelligent workers will be in the highest demand.

<https://www.forbes.com/sites/bernardmarr/2019/04/29/the-10-vital-skills-you-will-need-for-the-future-of-work/#72d7c7bc3f5b>

- Grade 9 learners are required to do a portfolio throughout the year. These drawings are done for homework. If a learner fails to compile this portfolio, he/she cannot take Visual Arts as the practical component is very important and counts 50% of the final Grade 12 mark. Learners taking Visual Arts will be required to spend at least 6 hours per week on the practical component. This does not include class time.
- If a learner does not achieve 65% or above for Grade 9 Practical, it is not recommended that he/she takes it as a matric subject. A good drawing ability is vital for doing well in the subject.
- A learner should achieve at least 50% for Grade 9 Art Theory as the theoretical component makes up the other 50% of the final mark. This includes History of Art as well as Visual Literacy (Analysis of artworks).

The final IEB assessment comprises of:

- **75% Examination Mark [300 marks]**

Paper1: Visual Culture Studies Exam (100 marks) = Theory exam

Paper 2: Exam Drawing (70 marks) = Practical exam

PAT: Task 3 – PAT Artwork (70 marks)

Visual Journal: Tasks 1 & 2 (60 marks)

- **25% School Based Assessment [100 marks]**

Portfolio (comprising theory & practical work)



CAREER GUIDANCE WEBSITES:

Free online Career Questionnaire:

<https://www.gostudy.net/GoStudy/FrontEnd/Questionnaire/Questionnaire?assessmentId=6>

Information on many careers, bursaries & links to various institutions of higher learning

<https://fundiconnect.co.za/subject-choice/> for Subject Choice info

<https://fundiconnect.co.za/career-quiz/> for a free Career Questionnaire

Job info/search: www.skillsportal.co.za & www.pnet.co.za & www.careerjunction.co.za

Course search: <https://coursechooser.gostudy.net/> (R10 payable per search)

Free Personality Assessment: www.16personalities.com

Google the 4-letter personality code (e.g. ISFJ, ENTP) to find possible job fields/careers well suited to that type of personality. Also consider interest, aptitude and ability.

SUBJECT CHOICE / CAREER ASSESSMENTS:

For general queries relating to Subject Choice/Career Guidance contact Mrs Marais (c.marais@thekingsschool.co.za) who is available for informal consultation at no charge.

Paid in-person assessments: offered by private psychologists & some universities.

Paid online assessments: <https://www.yenzacareers.com/en/about/> and <https://educate.xhuma.io/>

These reports may not specify subject choice specifically, but is a valuable tool in guiding career/study options, which then informs subject choice.

PAST PAPERS:

Looking at Gr12 exams per subject can be helpful for informing subject choice.

IEB past papers and some marking guidelines: <https://www.ieb.co.za/pages/pastiebpapers>

Maths past papers <https://maths.stithian.com/>

APPLICATIONS FOR FURTHER STUDY:

Each institution will have its **own** admission criteria and deadline date for applications. The APS (Admissions Point Score) is calculated differently per institution. Typically ALL 6 subjects (excluding LO) count towards the Admissions Point Score. *Check how Life Orientation is counted, as many institutions have a minimum LO mark required for acceptance.*

Learners are usually provisionally accepted/rejected to tertiary institutions on the basis of their **Grade 11 end-of-year marks**. Final acceptance/rejection based on **final Grade 12 results** (and any other criteria stipulated by the institution).

National Benchmarking Tests (see www.nbt.ac.za): some institutions require applicants to higher education to write these tests. Learners to register and book online (in their Grade 12 year).