ROYAL SCHOOLS ALBERTON

Royal Schools

GR 10-12 FET
SUBJECT CHOICE
INFORMATION

You are now entering the next phase of your school career. In this phase, you choose subjects that you will use for the benefit of your future and your career. Choosing the correct subjects, for possible career choices, is a very important task. You should approach this process positively and done systematically. It is disturbing to find out in your matric year that you made the wrong subject choices. One of the biggest challenges facing students at tertiary institutions today is the realisation that they are studying in the wrong direction due to misleading impressions regarding a specific career.

This information document has been compiled to help you make an informed decision. Parents and learners do not have to panic when choosing a study field and future career path!

STEP 1: DECIDE ON A POSSIBLE CAREER

This step is the most difficult one and sometimes discourages parents and learners because the big question is, what am I good at and what do I enjoy? It is important to start this process by focussing on the broad career fields of interest e.g. Health Sciences, Natural Sciences, Engineering, Humanities, Economic and Management Sciences, Natural and Agricultural Sciences. Be careful not to start the process by focussing only on specific profession e.g. Dentistry, Chemical Engineering etc.

Below is a useful resource where you can get more information on various career fields:

RESOURCES:

- Go to www.pacecareers.com
- Click on "Services"
- Click on "Get career guidance"

Click on "Questionnaires" and register to complete the questionnaire. The questionnaire consists of 105 simple statements to which the learner only has to answer "Yes" or "No".

- As soon as the last question is answered, a profile of the learner's career interests and possible study fields will be displayed where it is clear which fields of interest are the strongest.
- Right next to each field of interest there is a link that can be clicked which then lists all possible careers/ professions within the relevant field of interest.
- If a specific profession is clicked on, the learner will receive complete information related to that profession which includes the following aspects: a summary of what the profession involves, pleasant aspects of the profession, challenging aspects of the

profession, typical characteristics that will be required for that profession and also study programmes related to the specific profession.

- It will also help a lot if your child can go to institutions for a day or week to observe and to experience the actual working conditions of a certain profession.
- Subject choice assesment offered by the school for interested learners.

STEP 2: SUBJECTS NEEDED

Below is a summary of each of the possible fields of study:

TECHNOLOGY AND ENGINEERING

Mathematics and Physical Sciences are compulsory for degree courses and most national diplomas. For B-Tech courses Mathematics and Physical Sciences are a requirement. Some national diploma courses, such as Industrial Design, accept Mathematical Literacy as a subject.

Professions in this field include the following: Engineering, Architectural and Technical Drawing, Building and Construction as well as all the various trades.

HEALTH AND LIFE SCIENCES

Mathematics, Physical Sciences and Life Sciences are compulsory for Medicine, Ophthalmology, Dentistry, Pharmacology, Biological Sciences, Research and the

Medical Support Professions. Some Universities accept Mathematical Literacy for Occupational Therapy (UCT). For Psychology, Social Workers, Counselling and Medical Support Professions, Mathematics or Mathematical Literacy is compulsory and Life Sciences or Physical Sciences are recommended. Professions in this field include the following: Medical practitioners, Ophthalmology or Optometry Support, Dentistry and Support, Health Care, Biology and Medical Research.

COMPUTER AND INFORMATION TECHNOLOGY

This field of study generally requires Mathematics and Physical Sciences and, in some cases, Information Technology. Technical training institutions require Mathematics or Mathematical Literacy and English and recommend Computer Applications Technology, Information Technology and Economics.

TRADE AND MANAGEMENT

The Business Industry, Finance and Management require Mathematics or Mathematical Literacy. Subjects such as Business Studies, Economics, Accounting, Computer Applications Technology or Information Technology are also recommended. All BCom degrees require English or Afrikaans and Mathematics.

Professions in this field include the following: Finances, including Accountants and Auditors; Commercial Trade and Industry; Marketing and Sales; Human Resources and Administration.

AGRICULTURE, ENVIRONMENTAL AFFAIRS AND GEOGRAPHICAL SCIENCES

Mathematics or Mathematical Literacy and / or Life Sciences and / or Geography are usually compulsory for careers in this field. A BSc degree requires English, Afrikaans, Mathematics, Physical Sciences etc. Life Sciences is recommended.
Professions in this field include the following: Agriculture and Farming, Zoology, Environmental Conservation or Waste Management and Recycling, Landscape Architecture and Horticulture, Marine Biology and Ocean Technology, Geography and Archeology.

HUMANITIES AND EDUCATION

Afrikaans and English, Mathematics or Mathematical Literacy are compulsory for this professional field. Languages, Life Sciences, Tourism, Computer Applications Technology, History, Business Studies and Geography are recommended.

Professions in this field include the following: Education and Training and Educare, Sports and Fitness, Cosmetology, Religious Studies, History and Cultural Professions such as the Anthropology, Antique Dealing, Iconology, Museum Curatorship, Philosophy or Sociology.

SERVICE DELIVERY

Compulsory subjects are Afrikaans, English and Mathematics or Mathematica Literacy.

Professions in this field include: Travel and Tourism, Hotel Management and Hospitality, Aviation, National Defences such as the South African Army (SADF), the South African Navy, Government or Public Services, Safety and Security.
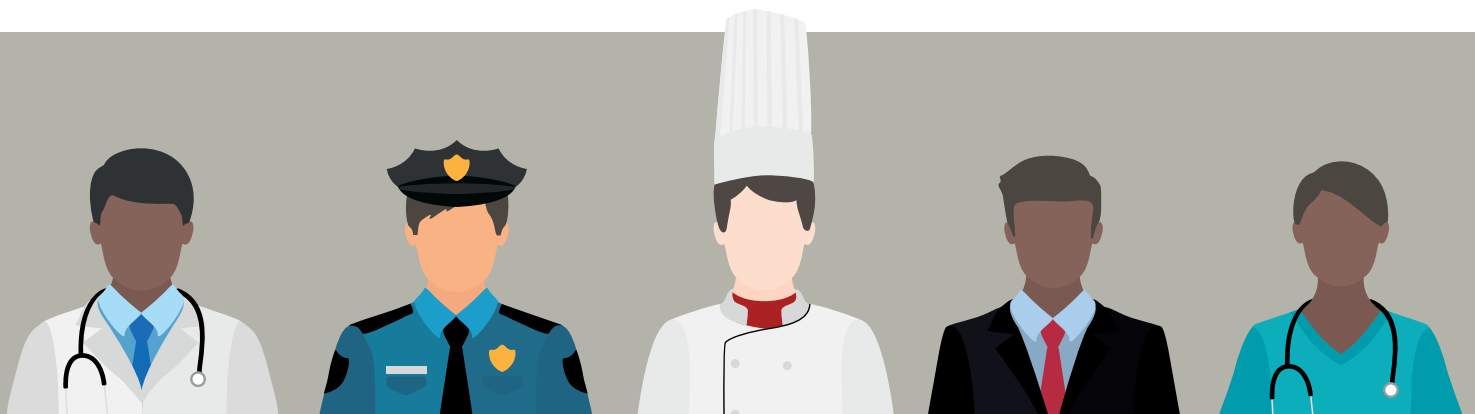
ARTS AND CULTURE

English or Afrikaans or Mathematical Literacy. Other subjects recommended are Business Studies and Drama depending on the individual.

Professions in this field include the following: Publishing and Entertainment.

LANGUAGE AND LAW

English or Afrikaans, as well as Mathematics or Mathematical Literacy, are compulsory subjects. Professions in this field include Journalism, for example Writers, Copywriters and Interpreters. Careers in law include Advocates, Attorney or Supportive Legal Professions.

STEP 3

Subjects that Royal Schools offers in the FET Phase that are in line with the National Senior Certificate are as follows:

COMPULSORY SUBJECTS:

· English Home Language
· IsiZulu Home Language
· First Additional Language: Afrikaans/ IsiZulu
· Life Orientation
· Mathematics / Mathematical Literacy

Please note that learners must achieve a promotion of 55% in Grade 9 to continue with Mathematics.

CHOICE SUBJECTS:

· Physical Sciences
· Life Sciences
· Computer Applications Technology
· Accounting
· Business Studies
· Economics
· Geography
· History
· Tourism

Click on the following link for a short overview on what the various subjects above entail:

https://www.royalschools.co.za/external/subject-choices-presentations-royal-schools.zip

Please note that the subjects above can only be offered if there is a minimum of 10 learners selecting that subject.

STEP 4: KNOW THE REQUIREMENTS

Knowing the admission requirements of the various tertiary institutions: Universities, Universities of Technology, Colleges of Further Education and Training (FET Colleges) and Private Colleges.

Admission Requirements for Tertiary Studies as determined by the Department of Education:

CRITERIA FOR DIPLOMA STUDIES:

· A minimum of 40% is required in at least FOUR subjects. (Excluding Life Orientation)

CRITERIA FOR DEGREE STUDIES:

· A minimum of 50% is required in at least FOUR subjects. (Excluding Life Orientation)

ADMISSION REQUIREMENTS OF DIFFERENT TERTIARY INSTITUTIONS:

Except for the minimum requirements from the Department of Education, each Tertiary Institution has their own requirements for each course.

STEP 5

MATHEMATICS OR MATHEMATICAL LITERACY:

All learners do not love Mathematics and do not have an aptitude for it. Learners who do not have an aptitude for Mathematics are unlikely to do well in the subject. Although Mathematics is required in many of the study programmes, it is not necessary to take the subject if the field of study does not require it. Do research on your specific course to make sure whether Mathematics is required. It is better to pass Mathematical Literacy than to fail Mathematics. Both learners and parents are encouraged to consult with the Mathematics educator before making the decision to take Mathematics.

STEP 6

LIMITATIONS

Mathematics is a REQUIREMENT when choosing Physical Science.

FINAL STEP: CHOOSE YOUR SUBJECTS

It is now time to select your subjects.

Name of Learner: _____ Grade: _____

Parent's Name and Surname: _____

Cell Nr: _____

Child's Career Choice: _____

Please look at the following three groups of subjects and SELECT ONE IN EACH GROUP.

Physical Sciences - Mathematics and NOT Mathematical Literacy is required. Learners must have an average of 50% in Mathematics in Grade 9 in order to take Pure Maths

CAT has space for 30 learners - Learners must have an average of 60 for Technology in order to qualify

	Commerce	√	Science	√	General	√
Group 1	Accounting		Life Sciences		CAT	
Group 2	Economics		Physical Sciences		Tourism	
Group 3	Business Studies		Geography		History	
Group 4	Mathematics		Mathematical Literacy			

Please also indicate your preferred language group: Either Group 1, 2 or 3.

GROUP 1	√	GROUP 2	√
English Home Language		English Home Language	
Afrikaans First Additional Language		isiZulu First Additional Language	
GROUP 3	√		
isiZulu Home Language			
English First Additional Language			

Parent Signature: _____ Learner Signature: _____

Signed off by: _____ Signature: _____