



AMBERFIELD
COLLEGE

GR 10-12 FET
SUBJECT CHOICE
INFORMATION

FOSTERING YOUR CHILD'S FUTURE

#coolestcollege



Dear Grade 9 Learner,

You are now entering the next phase of your school career. In this phase, you must choose subjects that will influence your future and your career. Choosing the correct subjects is a very important task. You should approach this process positively and systematically. It is disappointing to find out during or after your Grade 12 year that you made the wrong subject choices. One of the biggest challenges facing students at tertiary institutions today, is the realization that they are studying in the wrong field, due to misleading impressions regarding a specific career.

This information document has been compiled to assist you to make an informed decision. Parents and learners do not have to panic when choosing a study field and a 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 focusing 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 focusing only on a specific profession e.g. Dentistry, Chemical Engineering etc.

Below is a useful resource where you can obtain further 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 that will indicate which fields of interest are the strongest.
- Next to each field of interest there is a link that will take you to lists of possible careers/ professions within the relevant field of interest.
- If a specific profession is clicked on, the learner will receive 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 assist if your child can go to organisations for a day or week to observe and to experience the actual working conditions of a certain profession.

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, 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 Anthropology, Antique Dealing, Iconology, Museum Curatorship, Philosophy or Sociology.

SERVICE DELIVERY

Compulsory subjects are Afrikaans, English and Mathematics or Mathematical 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

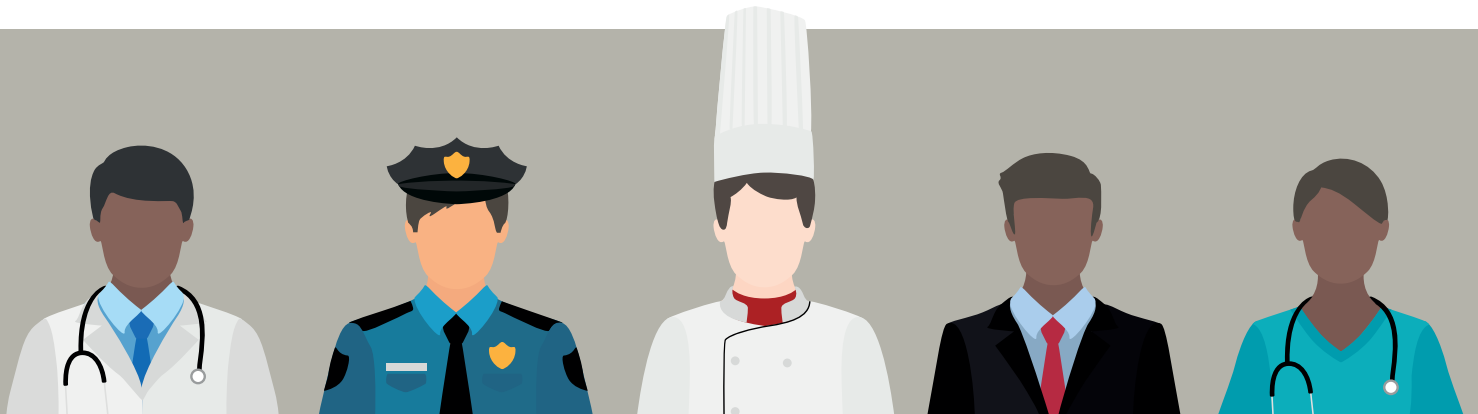
English or Afrikaans or Mathematical Literacy are compulsory. Other recommended subjects are Business Studies and Drama, depending on the individual.

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 Amberfield College offers in the FET Phase that are in line with the National Senior Certificate (NSC) are as follows:

COMPULSORY SUBJECTS:

- English Home Language
- First Additional Language: Afrikaans/ IsiZulu/ Sepedi
- 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
- Information Technology
- Computer Applications Technology
- Accounting
- Business Studies
- Economics
- Geography
- History
- Dramatic Arts
- Hospitality
- Consumer Studies
- Tourism
- Engineering Graphics and Design (EGD)

Please note that it is advisable for learners to have a Windows Laptop should they wish to take IT/CAT as a subject.

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

<https://drive.google.com/drive/folders/1pOwJOWgKqzDKCEg5FqCXj7iuxiaL0hh1?usp=sharing>

***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% in English Home language
- A minimum achievement of 40% in three additional subjects, excluding Life Orientation is required.

CRITERIA FOR DEGREE STUDIES:

- A minimum of 40% in English Home language
- A minimum achievement of 50% in four subjects, excluding Life Orientation, is required.

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 OR Information Technology.

FINAL STEP: CHOOSE YOUR SUBJECTS

It is now time to select your subjects.

Please complete the Online Google Form to select your subjects by clicking the following link:

<https://forms.gle/qL5cNLCvNHXzHax16>

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

