

Edenvale High School



2022 GRADE 10

SUBJECT CHOICES

National Senior Certificate (NSC)

Grade 10 - 12
Further Education and Training

Your child has been given this subject information booklet so that you and your child have enough time to discuss the subject choices.

If your child has no idea as to what subjects or career path to follow, it would be best for you to have him/her tested before the final submission date for the subject choice forms. Below are a few career counsellors' phone numbers to assist you, as well as additional subject-career guidance portals **OR** you can find names and numbers in the local newspaper and on the Internet.

The National Career Advice Portal: <http://ncap.careerhelp.org.za/>

Department of Basic Education – Subject choice and career pathing:

<https://www.education.gov.za/Informationfor/Learners/SubjectChoiceandCareerPathing/tabid/980/Default.aspx>

UJ – University of Johannesburg

Please enquire about fees and payment details when making your booking.

CONTACT DETAILS FOR BOOKINGS:

PsyCaD Career Services are available on five sites for your convenience:

Auckland Park Kingsway Campus (APK): CRing 1: 011 559 3324 B5: 011 559 3106

Auckland Park Bunting Road Campus (APB): 011 559 1318

WITS University

Bookings for the assessment programme are done through reception.

Phone (011) 717-9140/32 for booking and payment details.

The programme is specifically for school learners who are considering university study, current university learners and adults considering mid-career changes.

Local and accredited educational counsellors'

Colleen Johnson (011) 457-0902

Dr. Louise Holman (011) 614-6309

Dr. Henk Mostert (011) 615 2020 or 073 375 1005

Chantelle Macquet (011) 454 1835 or 083 234 5663

Mr. D.W. Pratten

HOD Life Orientation



1. **7** subjects must be taken, **4** of which are compulsory and **3** are selected.
2. All subjects are offered on the General CAPS Grade
3. No specific groupings of subjects are required as in the past.
4. The minimum statutory requirement to obtain university entrance is a National Senior Certificate (NSC) certified by Umalusi with an achievement rating of 4 (50-59%) in at least four recognized 20-credit subjects from the designated subject list (as gazetted by the Ministry of Education in August 2005.)

Weighting of marks

TERM ONE AND TERM THREE

SBA tasks will count 25% of the term mark and the block test 75%.

TERM TWO

SBA tasks will count 25% and the June examinations 75%.

The formal assessment tasks, which are completed during the school year, make up 25% of the total mark, while the end-of-year examinations makes up the remaining 75% of the total mark.

In Grade 12, the above excludes Life Orientation where the internal assessment component counts 100% of the final assessment mark.

The end-of-year assessment component for subjects with a practical or performance assessment task (PAT) comprises two parts:

A practical assessment task (25%) and a written exam paper (50%). Together these two papers make up the 75% of the end-of-year assessment component.

Formal Assessment tasks: Teacher and Learner

All teachers are expected to keep a file containing all documents related to assessment. Teacher's files should contain the tasks for assessment and memorandums, as well as the planning that informs the development of these tasks and the records of assessment of the formal tasks. All pieces of evidence of formal assessment done by the learners must be stored in the classroom.

Promotion Requirement

A learner must achieve 40% in three subjects, one of which is an official language at home language level, and 30% in 3 subjects. It is compulsory for a learner to complete all SBA tasks for all subjects taken to be eligible for the NSC.

The marks (%) relating to the recording and reporting of level descriptor codes are as follows:

<u>Rating Code</u>	Description of Competence	Percentage
7	Outstanding Achievement	80-100
6	Meritorious Achievement	70-79
5	Substantial Achievement	60-69
4	Adequate Achievement	50-59
3	Moderate Achievement	40-49
2	Elementary Achievement	30-39
1	Not Achieved	0-29

Please note that Life Orientation is a ten-credit subject.

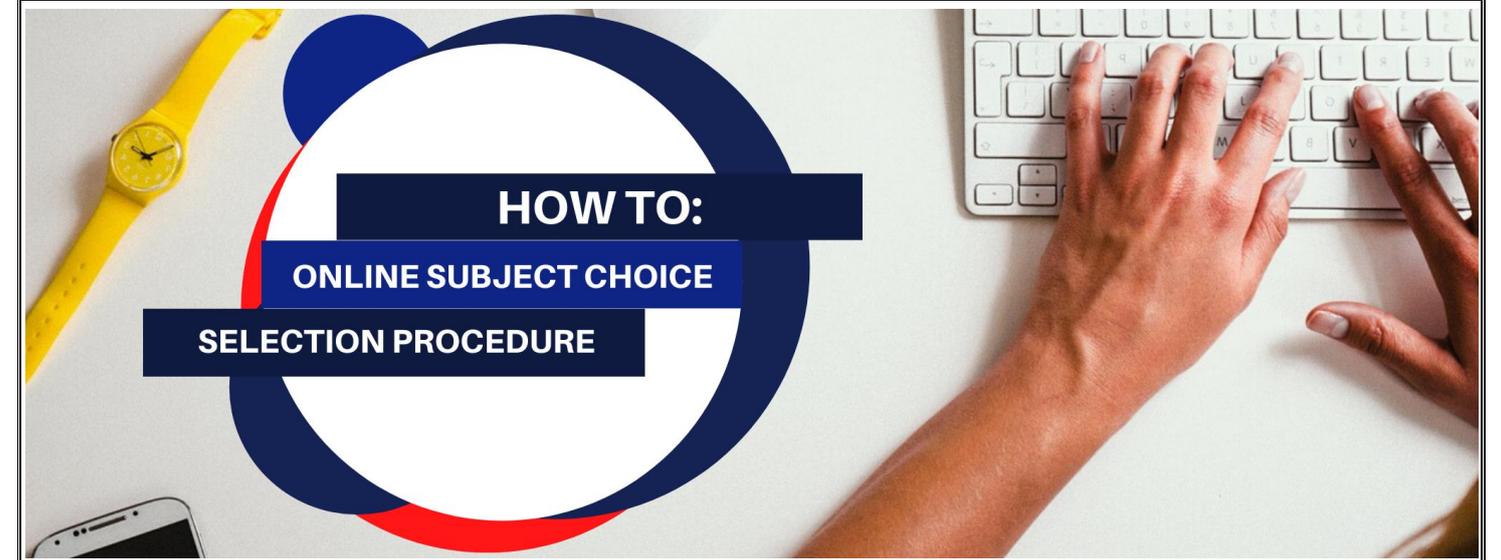
UNIVERSITY, UNIVERSITY OF TECHNOLOGY AND COLLEGE REQUIREMENTS

To be able to gain access to a faculty and specific programmes, prospective learners are required to have the appropriate combinations of recognised NSC subjects as well as certain levels of achievement in these subjects. In this regard, the determination of an Admission Point Score (APS) is explained and a summary of the faculty specific requirements i.e. the APS per programme and specific subjects required per programme are provided. Take note that there may be additional subject requirements under "Regulations" in the rules and syllabuses of each faculty. Take further note that the achievement of the minimum requirements does not guarantee a learner admission to any programme or field of study.

Determine the Admission Point Score (APS. Old M-Score)

The calculation is simple and based on a candidate's achievement in six recognized 20-credit subjects using the NSC ratings on a 1 to 7 scale of achievement.

Life Orientation is excluded from the calculation determining the APS required for admission per faculty, but some universities require that this subject be passed at a rate higher than 4 (50%) to obtain an NSC. Some faculties may require a higher pass mark for Life Orientation, for example, the faculty of Health Sciences requires an achievement level of 5.



HOW TO: ONLINE SUBJECT CHOICE SELECTION PROCEDURE

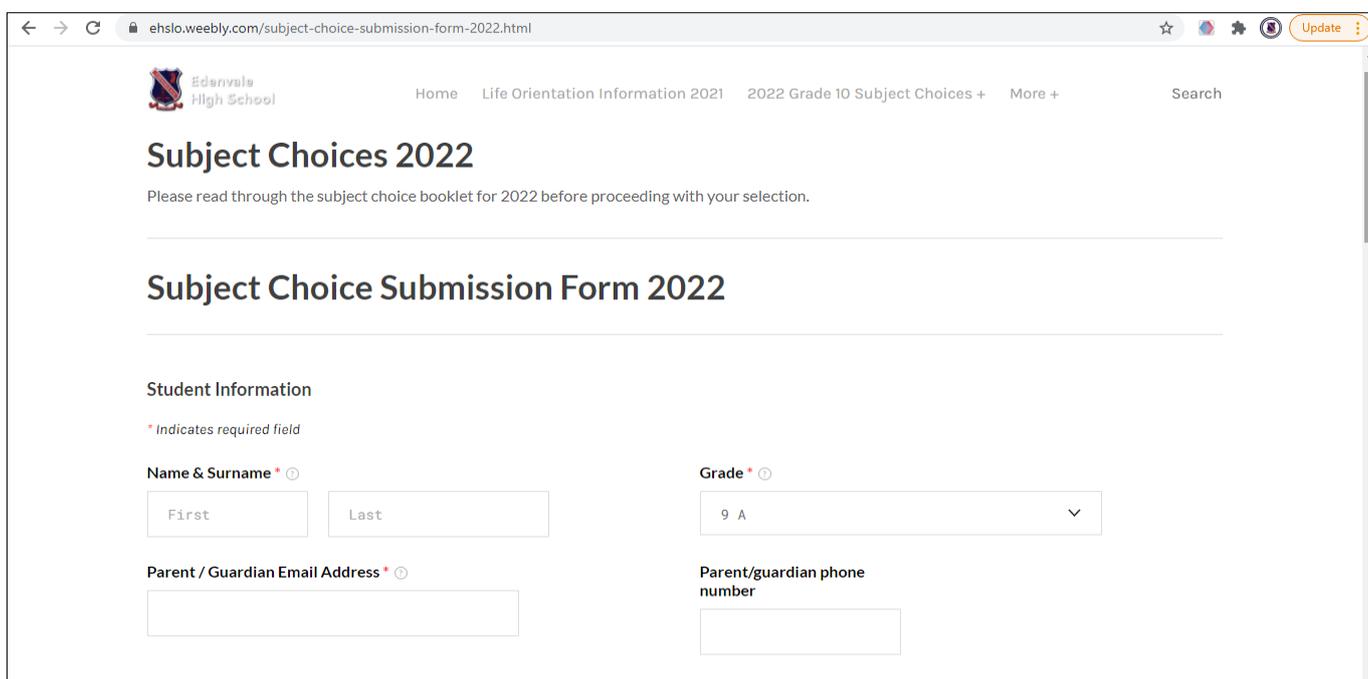
**Online subject choice submissions will open on 10 August 2021 at 16:00.
Applications will close on Friday, 20 August 2021 at 23:59.**

Please note the following when completing online subject choice selection:

- Please read the subject choice booklet thoroughly.
- Complete the subject selection form online as seen below.
- Please note that each learner's choice will be accommodated as far as possible. However, your first choice of subjects may not be available.
- If a learner has not met the passing requirements for a specific subject in Grade 9, he/she will not be allowed to take the given subject in Grade 10.
- **Please note that the centre fees are estimations and the actual fee will be confirmed in the stationary or textbook list.**

EHS will only allow online submission of subject choices. The procedure will be explained in greater detail in the learners' LO classes.

Subject choice video presentation 2022: <https://ehslo.weebly.com/subject-choice-booklet--videos.html>



← → ↻ ehslo.weebly.com/subject-choice-submission-form-2022.html ☆ ⚙️ 🔍 Update

Edenvale High School Home Life Orientation Information 2021 2022 Grade 10 Subject Choices + More + Search

Subject Choices 2022

Please read through the subject choice booklet for 2022 before proceeding with your selection.

Subject Choice Submission Form 2022

Student Information

* Indicates required field

Name & Surname * ⓘ

Grade * ⓘ

Parent / Guardian Email Address * ⓘ

Parent/guardian phone number

First Last 9 A



IMMIGRANTS DOCUMENTATION



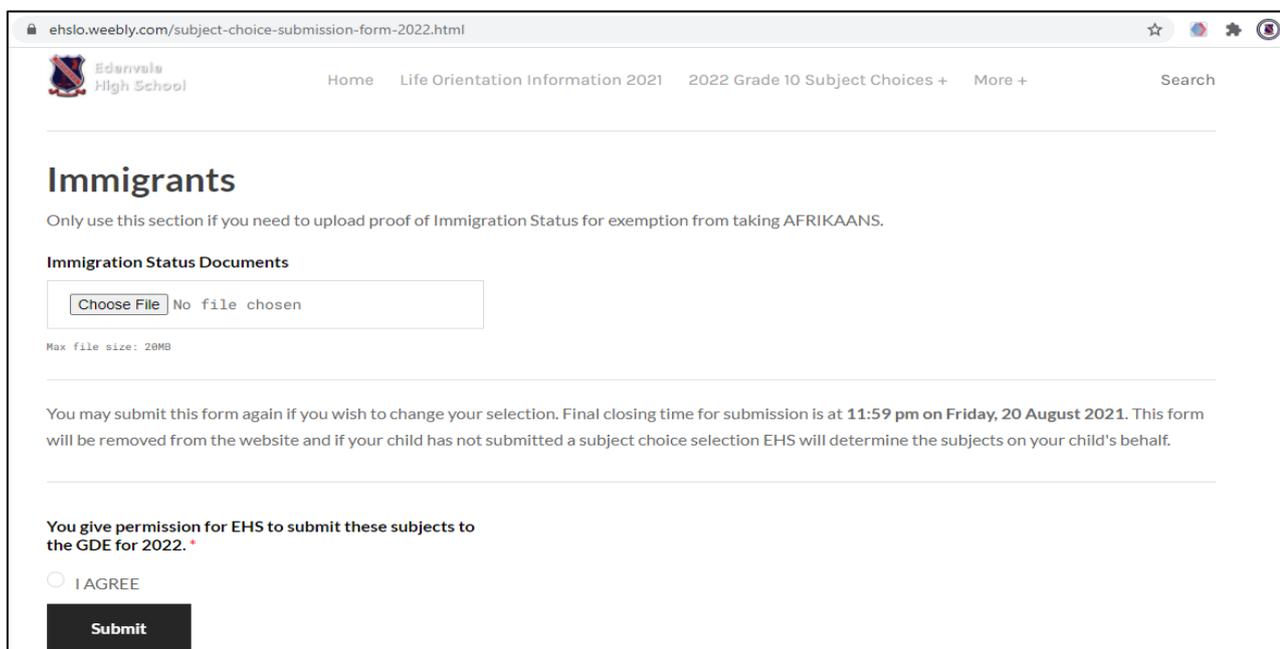
The GDE defines an immigrant as follows:

- “Immigrant” means
- a. A child or a dependant of a diplomatic representative of a foreign government accredited in South Africa or
 - b. Any person who:
 - First entered a South African school in Grade 7 or a more senior grade: or
 - Having begun his/ her schooling at a South African school, has attended school outside South Africa for two or more years consecutively – this concerns years after Grade 6 or its equivalent.
 - Please make an appointment with the Headmaster regarding Immigrant status.

If applicable, Immigrant Status documentation needs to be uploaded and submitted as part of the Subject Choice Submission form.

By uploading the necessary documentation, your child will be exempted from taking Afrikaans ONLY.

Your child is then to choose a 7th subject as offered by the school to replace Afrikaans.



ehslo.weebly.com/subject-choice-submission-form-2022.html

Edenvale High School

Home Life Orientation Information 2021 2022 Grade 10 Subject Choices + More + Search

Immigrants

Only use this section if you need to upload proof of Immigration Status for exemption from taking AFRIKAANS.

Immigration Status Documents

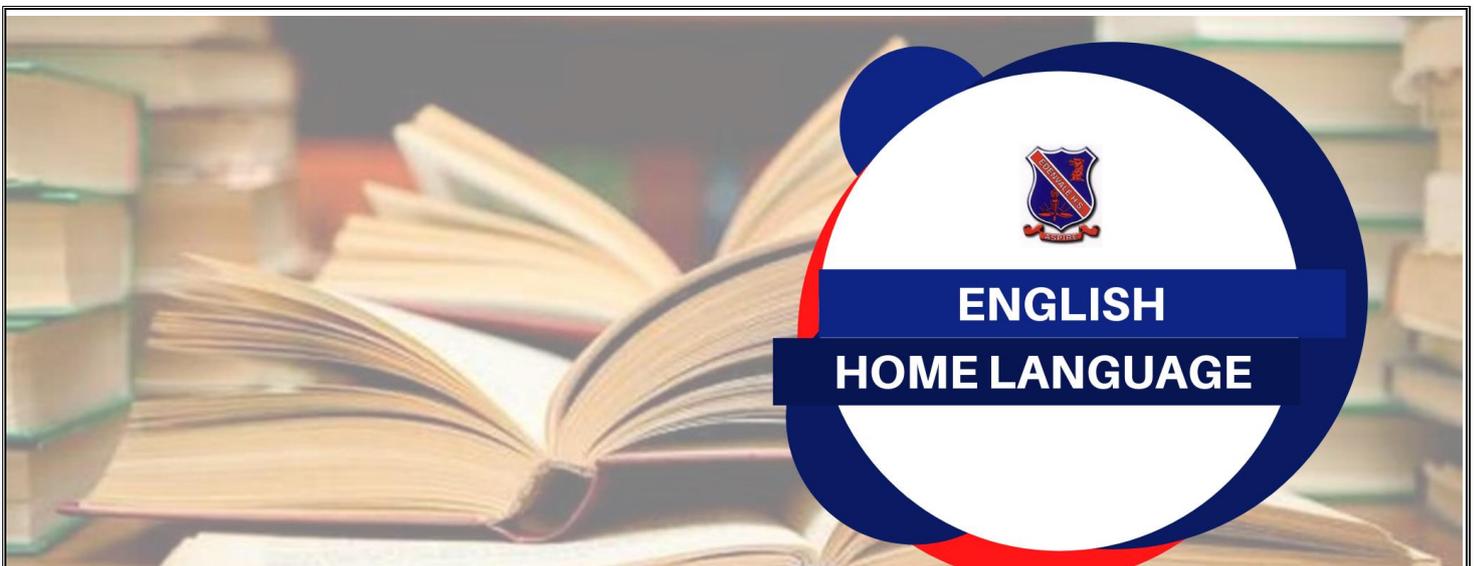
No file chosen

Max file size: 20MB

You may submit this form again if you wish to change your selection. Final closing time for submission is at **11:59 pm on Friday, 20 August 2021**. This form will be removed from the website and if your child has not submitted a subject choice selection EHS will determine the subjects on your child's behalf.

You give permission for EHS to submit these subjects to the GDE for 2022.

I AGREE



Video download: https://www.weebly.com/uploads/b/24016989-259588954784557001/2022_english_631.mp4

It is self-evident that a language such as English should form the foundation upon which the whole structure of our learners' education should be based. Language is the tool of communication from the cradle to the grave. Inability to express oneself articulately and convincingly may hinder one academically and may impede one's interaction with people in all walks of life: church, school, business, and in social and sporting activities. At school, we even see a direct correlation between English and mastering subjects such as Maths and Science – it supports and enhances understanding.

Learners need to extend their vocabulary, their use of idiom, of figurative language – and can do so only by contact with a wide range of texts: newspapers, magazines, books, plays, films and television programmes. Here, parents and teachers can be a guide and example: in developing the use of the child's mother/other tongue and in refining and extending the use of it.

Millions of people all over the world use English. It is the language of higher learning, of sport, politics and business, religion, international travel – and seems set to dominate the world scene for years to come. Those lucky enough to speak it as a mother tongue need to cherish and protect their language by speaking it accurately; those to whom it is a second language need to hone their skills in using what must be their passport to the world.

Little remains to be said about the need to learn English. Give your children the best weapon with which you could possibly equip them: give them the power of the word.



Video download: https://www.weebly.com/uploads/b/24016989-259588954784557001/2022_afrikaans_142.mp4

Afrikaans is a modern, evolving African language and with more than 6,855 million Afrikaans speakers in this country, it is the third most used language in South Africa.

Language is about communication, and linguistic skills are important and useful in all walks of life: broadcasting, business, journalism, law, Human Resource management, public relations, research, and translation – to mention only a few.

Furthermore, because Afrikaans derives from Dutch, the whole gamut of Germanic languages and the culture of Europe becomes more accessible to learners of Afrikaans. Remember Afrikaans is probably one of the easiest languages to master – so success is well within everyone's grasp.



Video download: https://www.weebly.com/uploads/b/24016989-259588954784557001/2022_life_orientation_347.mp4

Life Orientation is the study of the self in relation to others and to society.

It applies a holistic approach. It is concerned with the personal, social, intellectual, emotional, spiritual, motor and physical growth and development of learners, and the way in which these dimensions are interrelated and expressed in life.

The focus is the development of self-in-society, and this encourages the development of balanced and confident learners who will contribute to a just and democratic society, a productive economy, and an improved quality of life for all.

As Life Orientation is a compulsory subject, there are no requirements. However, at Edenvale High School this subject is fully utilized to its envisioned potential and requires students to be fully integrated with online learning. There is no escaping the digital world and as such, having and making use of basic online learning techniques forms a part of the requirements to achieve in Life Orientation.

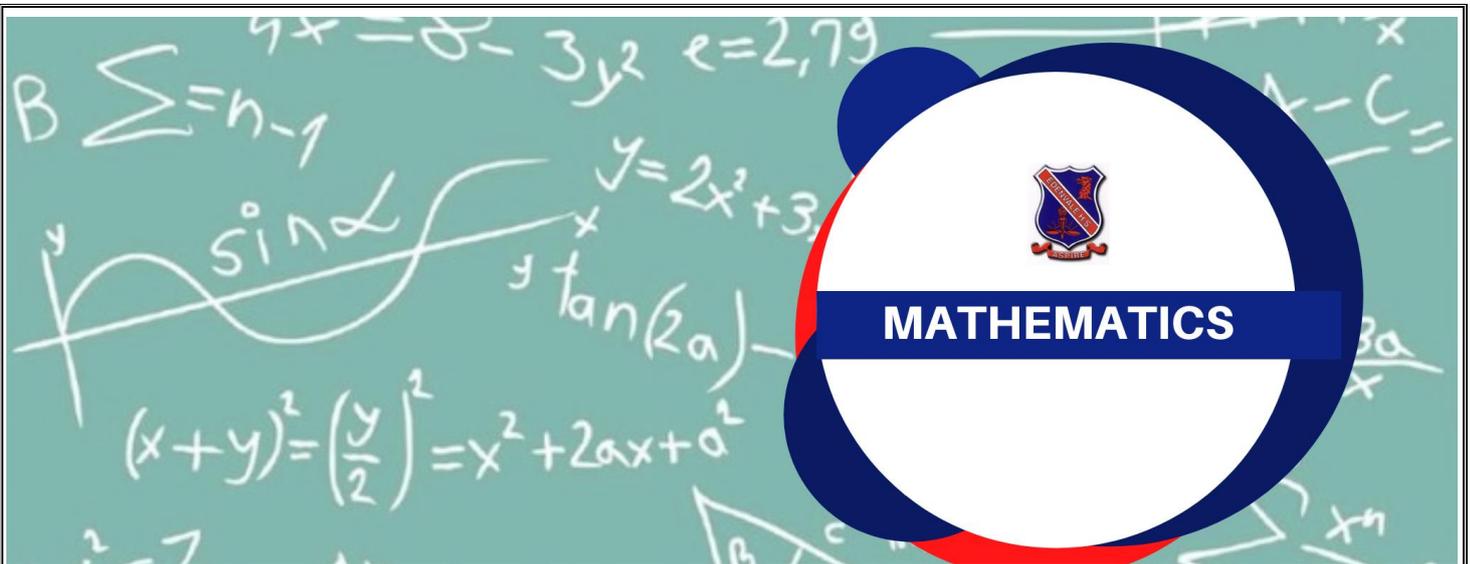
Life Orientation is an inter-disciplinary subject that draws on and integrates knowledge, values, skills and processes embedded in various disciplines such as Sociology, Psychology, Political Science, Human Movement Science, Labour Studies and Industrial Studies.

Human movement, fitness and diet play an important role in living a healthy lifestyle. As such, every student will participate in the LO Sport program which has been specifically designed to make use of all the facilities available at Edenvale High School.

This will represent 10% of the student's term mark.

Life Orientation equips learners with the personal management skills necessary for success in additional and higher education, and in adult life. It prepares learners for careers in the following career fields, among others:

- Education
- Service Industry
- Mental Health Care Professions
- Safety and Security
- Human Resource Development and Management
- Sport and the Fitness Industry
- Media
- Politics



Video download: https://www.weebly.com/uploads/b/24016989-259588954784557001/2022_maths_core_492.mp4

Too often Mathematics is chosen for the wrong reasons or parents insist on Maths because “there is no life without Maths”. There is no doubt Maths is important; in fact, it is vital in the fields of Medicine, Engineering, Science and Economic Science. However, a pass in any other subject is better than a fail in Maths on a Matric certificate.

Success in Mathematics requires:

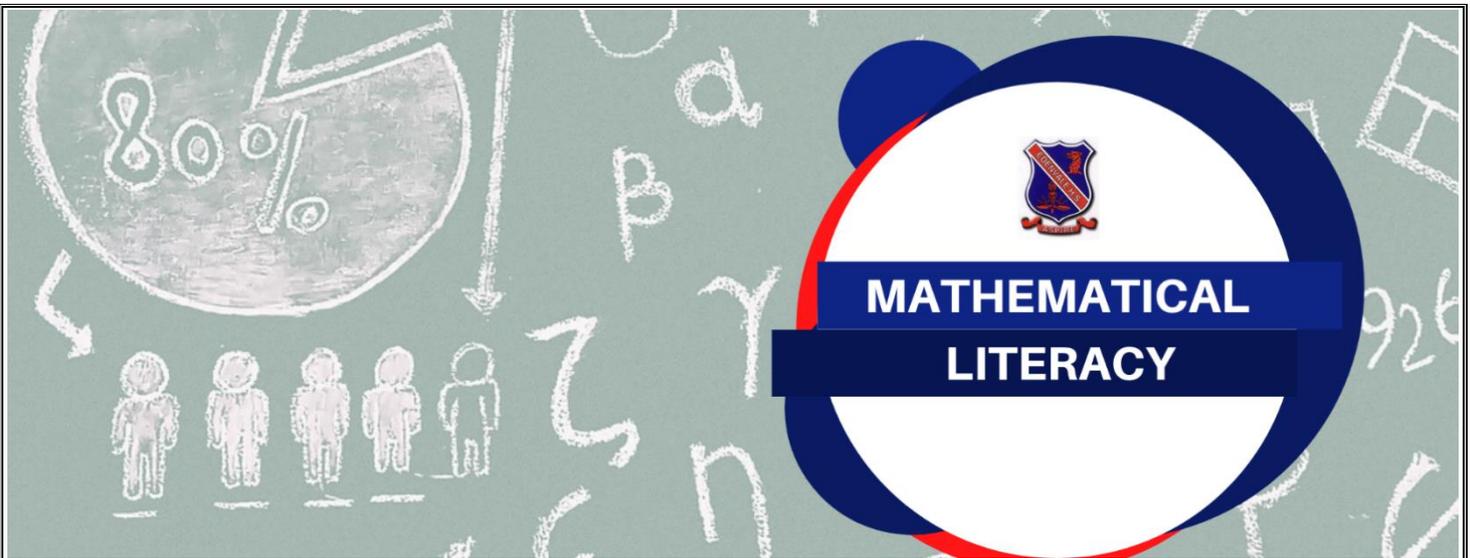
- A **SOLID** foundation
- A genuine commitment to **HOURS** of hard work and practice, practice, practice.
- An ability to think logically and abstractly.
- Potentially requires extra money to be spent on tutors and exam study books (as required by you).

If any of the above describes you, we would love you to do Maths.

Please note the following:

All learners need to have written the Entrance Test before being considered for Mathematics. Learners wanting to take Mathematics will need to attain a pass mark of 60% for this test, as well as 60% for Term 2 Mathematics.

We will also look at the Term 4 Grade 8 mark, and Term 1 Grade 9 mark, alongside this test mark in order to ascertain who will be able to cope with Mathematics in Grade 10.



Video download: https://www.weebly.com/uploads/b/24016989-259588954784557001/2022_mathematical_literacy_601.mp4

Mathematical Literacy is designed to equip learners with mathematical life skills especially in terms of dealing with personal finance. It is **NOT** a “watered down” offering of academic Maths, but rather a completely different syllabus. We are very excited to be offering this very relevant subject. Learners need to attain 70% or more if they wish to study further.

Topics covered:

- Finance
- Measurement
- Maps, scales and models
- Data Handling and Probability

Job Opportunities:

- Teacher
- Occupational therapist
- Accountant
- Beautician
- Social worker
- Dental technology
- Police
- Physiotherapist
- Lawyer
- Biomedical technologist
- Ecotourism Management

Wide varieties of careers are available to learners depending on the marks they achieve in Matric. A booklet is available from the HOD Mathematical Literacy to help attain which career path can be followed with Mathematical Literacy or follow the link: <http://www.careerplanet.co.za/institutions>



Video download: https://www.weebly.com/uploads/b/24016989-259588954784557001/2022_history_409.mp4

WHY YOU SHOULD TAKE HISTORY?

“We study history not to know the future but to widen our horizons, to understand that our present situation is neither natural nor inevitable, and that we consequently have many more possibilities before us than we imagine.”

— Yuval Noah Harari, **Sapiens: A Brief History of Humankind**

- One of the most important reasons is to: understand the current socio-economic context in which we live. Understanding how we got here is important if we are to work out where we go from here. This in turn helps us PREVENT REPEATING PAST MISTAKES. This can be applied to single individuals, as well as entire nations.
- Taking History is a course that will help YOUR WRITING SKILLS, YOUR READING SKILLS and MOST IMPORTANTLY YOUR ANALYSIS SKILLS.
- All these are useful skills to have if you plan on entering a law school, any career of communication or just applying to find any occupation of your choice.
- It is important to know your History, so that you can RIGHT THE WRONGS of the past and PROMOTE UNITY in a divided nation.
- Trains critical reading and thinking skills and orderly presentation of information.
- Develops powers of analysis, evaluation and clear judgment.
- Helps develop tools to understand and identify the worthiness of sources, their reliability and usefulness. This critical thinking is vital as we enter a digital age where determining fact from fiction is becoming harder than ever.

- Develops better understanding of the present, including democratic traditions, racism, and self-determination.
- Teaches a high regard for values of truth and justice.
- Promotes tolerance among people of a diverse society.
- Provides security of identity and heritage through knowledge of traditions, anniversaries and commemorations.
- An asset in developing young minds for careers in Law, Politics and International Relations.
- STEM subjects are in demand but so too are people who have studied the humanities, as someone needs to provide the humanity to guide the science.

Careers in History:

- | | |
|---------------------------------|---|
| • Advocacy | • Liaison Assistant |
| • Administrator | • Liberal Arts |
| • Anthropology | • Librarians |
| • Archivists | • P.A. Secretary |
| • Business People | • People Development - Training Coordinator |
| • Customer Relations Officer | • Philanthropist |
| • Field Service Technician | • Political Science |
| • Historian | • Researchers |
| • Information Managers | • Sociology |
| • Internships at many companies | • Teacher |
| • Journalism | • Tertiary Manager |
| • Lawyer / Advocate / Law | • Tour Guide |
| • Lecturer | • Writers and Editors |

Skills inherited from taking History as a subject:

- Writing skills.
- Reading skills.
- Communication skills (speaking and listening).
- Interpretation skills.
- Extraction skills.
- Comparative skills.
- Analysis skills.
- Utility skills (Determining whether something maybe subjective/objective/neutral/biased/useful).
- Trustworthiness.
- Critical thinking



Video download: https://www.weebly.com/uploads/b/24016989-259588954784557001/2022_geography_586.mp4

Geography is the study of man and his environment, which gives the subject a very broad base indeed. Because of this wide range, Geography occupies an enviable position in both the Humanities and Science fields.

Modern technology has been very kind to Geography. Space travel, satellite photography, seismic research etc. – all these developments, and more, have added immeasurably to our knowledge of our greater world.

Aspects covered in the 3-year course in Grade 10, 11 and 12 are:

1. Climatology – weather and climate affect everything we do, wear and eat. Is South Africa the Lightning Centre of the world?
2. Geomorphology – the scientific study of the earth's crust (and all disasters such as volcanic eruptions.)
3. Urban and Rural Settlements – where, why and how we live. Can South Africa cope with the large influx of rural people to the cities?
4. Economic Geography – the earth's economic resources and their development. Will South Africa run out of gold?
5. Map Work – love it or hate it – but you will never get lost again!



Video download: https://ehslo.weebly.com/uploads/b/24016989-259588954784557001/2022_visual_arts_749.mp4

The Visual Arts for Grade 10 – 12 allow the learner to express personal creativity whilst learning practical techniques in drawing, painting and printmaking.

Visual Culture Studies, the theory component, traces the history of art from ancient civilizations to contemporary art making. Learners are trained to look critically, to question the meaning and relevance of visual images, and to understand the power of the image in today's visual environment.

Learners are required to produce a minimum of three artworks a year and include a visual record of their creative process in the form of a visual diary. Learners must commit to the extra hours after school and at home, as great artwork requires patience, persistence and hours of **HARD WORK!** Learners are expected to adhere strictly to work schedules and deadlines whilst producing work of a very high standard. Commitment, dedication and a striving for perfection are recommended attributes.

The Visual Arts facilitate the opportunity for experiencing one's creative thinking processes. This is an asset in any career where a practical and critical understanding of the creative processes is required.

Job Opportunities

- Advertising art director
- Advertising commercial director
- Advertising illustrator
- Animation director
- Antique restorer
- Architect
- Architectural illustrator
- Auctioneer
- Automobile specialty painter
- Background and stage artist
- Children's book designer
- Children's book illustrator
- Comic or web comic artist
- Consultant
- Critic
- Dealer
- Draftsperson
- Dressmaker
- Game designer
- Graphic designer
- Graphic novel artist
- Greeting card designer
- Landscape architect
- Layout designer
- Lecturer
- Letterer
- Librarian
- Package designer
- Painter and sculptor
- Photographer
- Photography editor
- Photo journalist
- Publisher
- Therapist
- Travel photographer
- TV and film animator
- TV director
- Typographer
- Web designer

Note to the Parents

If your child chooses this learning area, (a centre fee subject to change) is to be paid at the start of each year.

This money is used to cover the cost of the materials supplied for the practical assessment task.

We buy the canvas and correct paper for the students to work on a high-quality material. Each student is also expected to buy an A2 Visual Diary.



Video download: https://www.weebly.com/uploads/b/24016989-259588954784557001/2022_consumer_studies_656.mp4

Consumer Studies focuses on developing knowledge, skills, values and attitudes in learners to enable them to become responsible and informed consumers of food, clothing, housing, furnishings and household equipment and to use resources optimally and in a sustainable manner. The subject also promotes the application of knowledge and skills in the production of quality marketable products that will meet consumer needs.

In the practical component of this subject, our school focuses on the food production. This involves practical lessons on a weekly basis where the learners prepare different food dishes. The aim is that a learner by the end of their Grade 12 can set up their own small business involving the sale of food products.

Syllabus

Learning Areas involve:

- Consumer Education
- Food and Nutrition
- Clothing
- Housing and furnishings
- Food Production/Practical - the learners will cook once a week

Why Choose Consumer Studies?

Consumer Studies is a life skill - you will definitely use the skills you learn every day of your life. So remember...you do not have to study Consumer Studies solely to enter the relevant job opportunity fields, of which there are many, but you can choose it because it will help you in your everyday life and, most of all, it is FUN!

Even though Consumer Studies is fun - remember it is also hard work!

Consumer Studies learners are those people who have a passion for food, clothing, housing, soft furnishings and interiors and have high standards, values and goals in life.

Job Opportunities

- Consumer services and event management.
- Marketing consumer products within a company.
- Promoting products to consumers and dealing with advertising.
- Product development and quality assurance.
- Food or consumer journalism.
- Research (food, nutrition, clothing and housing fields).
- Dietician.
- Field of clothing (clothing designer, dressmaker, merchandiser, fashion buyer).
- Field of housing (interior designer, housing consultant).
- Hotel/restaurant/catering.
Hospitality industry: manage game lodges, offer private catering.
Food services management.
- Teach/lecture at university, technical university, technical college or high school.

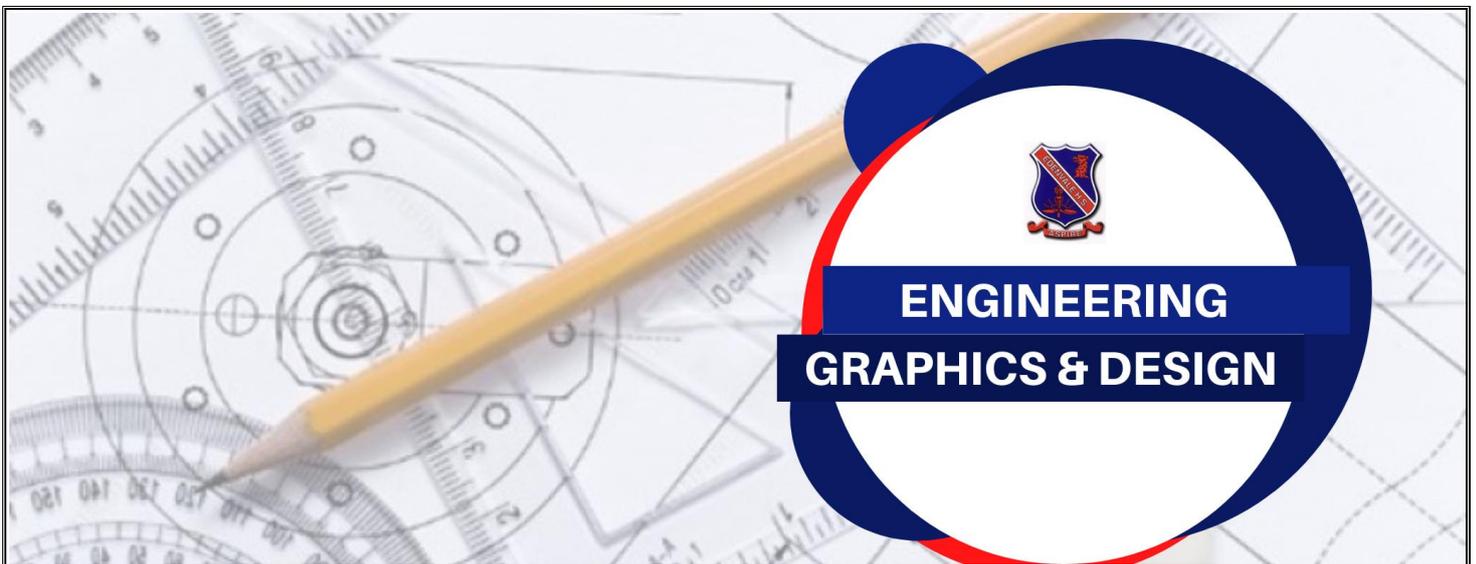
Note to the Parents

If your child chooses this learning area, a **centre fee** of about R 300 is to be paid at the start of each year.

This money is used to cover the cost of the ingredients that are used during the practical lessons.

Each learner is required to purchase a recipe book that is used until the end of Grade 12.

In Grade 10, the learners need to purchase an apron, on which their names are embroidered, these aprons are compulsory for Gr 10 - 12.



Video download: https://www.weebly.com/uploads/b/24016989-259588954784557001/2022_egd_920.mp4

This learning area should not be confused with Graphic Design, Interior Design or Commercial Art.

It is an **Engineering and Civil** technology field of study (formally known as Technical Drawing).

This learning area has content that develops multiple skills.

Observation, listening skills, reading skills, insight and imagination, eye-hand co-ordination, fine motor control, repetitive procedures (self-discipline), computer aided drawing or CAD (2D), research skills to encourage the inquiring mind, application of the Design Process, problem solving, time management, accurate neat drawing habits and not forgetting, subject content.

Learners will graduate from this course with basic skills drawn from a wide spectrum. This opens many doors for them in the future with a wide field of study and career opportunities including:

- Architecture
- CAD Draughtsman
- Dental Mechanics
- Draughtsman
- Engineering (all fields)
- Graphic design
- Interior Decorator
- Management and Planning
- Production Management
- Quantity Surveyor
- Surveying/Estimator/Buyer
- Teaching
- Town Planning

EGD is closely related to and overlaps with many other subjects. These include:

- All technical subjects
- Art
- Civil subjects
- Consumer Studies
- Geography
- Mathematics
- Science
- Technology

This learning area does **not** restrict the learner to a trade or a technical career. It is University Exempt and earns points for entrance purposes. (Core Math's is required for Engineering at University) Learners not wishing to follow any of the fields mentioned will have the ability to interpret drawings, an extremely useful life skill to have.

UNFORTUNATELY: Because of a three-year teaching program, learners may not change learning areas to start EGD after the second term of grade 10.

COST: Drawing instruments should last for three years and beyond, if the learners look after them. Top quality instruments are ordered through the teachers, who acquire stock at less than cost price.

Around R900.00 per learner in grade 10.

We teach from workbooks, google classroom and textbooks. These contain abundant class exercises, enrichment work, support work, briefings, all School Based Assessment tasks as well as past exam paper questions.

The workbook costs around R200.00.

We also have a CAD centre to maintain, so a **levy** of R220.00 per learner per year is required by the end June.

Learners really enjoy this subject and soon find out that it is a "learning" subject and that effort is required to succeed.



Video download: https://www.weebly.com/uploads/b/24016989-259588954784557001/2022_cat_723.mp4

This subject offers the learners both the theory and the practical opportunity to manage and master all the applications in the Microsoft Ms Office package, e.g. MS Word, MS Excel, MS Access, MS PowerPoint, etc.

The learner will develop the skill to discuss and present the different topics of the computer e.g. hardware, software, e-communications, new trends, social implications of the computer etc.

The exciting thing that CAT skills offer the learners is that they can be very creative whilst learning all these new skills. The learner will be equipped to manage all the documents required in the business world. The learners will be able to take part in the Computer Olympiad and enter competitions outside of school

A levy of about **R375** per year is required to pay for the cartridges used and for maintenance.

The learners who want to take CAT will only be considered if the Math mark is greater than 45%. If a learner decides to change to CAT at the end of Grade 10, an ENTRANCE exam must be written and 50% is achieved to be accepted into Grade 11. NB!

In Grade 11, they learn HTML, which is used to design websites.

NB: CAT is recognized as a full university subject

The Institute of Chartered IT Professionals is in partnership with the University of Johannesburg (UJ) after vigorously vetting and researching the CAT/IT curriculums for matriculants in Grade 12, found that the candidates are eligible for Entry Level Practitioner status in the IT industry.



Video download: https://www.weebly.com/uploads/b/24016989-259588954784557001/2022_it_276.mp4

This subject enables the pupils to problem-solve, critically think, discuss, present and provide solutions using a programming language (Delphi).

The focus of IT is to provide the pupils with the practical and theoretical skills in Delphi Programming, MS Word, MS Access, hardware components of the computer, system software, networking, and social implications of the computer, new trends and e-communications.

The pupils will be able to take part in the Computer Olympiad and enter competitions outside of school. The exciting thing is that, by the time the pupils pass Grade 12, they will have completed a percentage of the syllabus content of their first year of a tertiary Computer Science course.

A levy of about R375 per year is required to pay for the cartridges used and for maintenance.

The pupils who want to take IT will only be considered if the Math mark is greater than 50%.



Video download: https://www.weebly.com/uploads/b/24016989-259588954784557001/2022_physical_sciences_296.mp4

Science is largely responsible for the way in which we live. A world without science is a world without medicine, electricity, television, computers, cell phones, iPads, etc.

The subject covers two main study areas:

1. Physics, which includes: Mechanics; Waves, Sound and Light; Electricity and Magnetism; Electromagnetism,
2. Chemistry, which includes; Matter and Materials, Chemical Change and Chemical Systems.

These areas provide a foundation for scientific and technological progress that is vital for our modern society, especially here in South Africa where these skills are lacking.

Physics is concerned with investigating the behaviour of matter and energy. Chemistry is the science of elements and their combinations, and their behaviour under varying conditions. Material Science combines the physical and chemical properties of materials. In the new syllabus, the focus is on Organic Chemistry – the basics for all new textiles, fuels and medicine, chemical systems and chemical changes- in other words the science of the future.

Physical Science provides a challenge for academic students. It requires good use and understanding of **language** as well as analytical, practical, observational and mathematical skills. A prerequisite for Science is **Pure Maths**.

Together with Pure Maths, it allows pupils access to many career opportunities.

These could include:

Pharmacy	Millwright
Medicine	Electrician
Forensic Science	Material Sciences
Architecture	Robotics
Biochemistry	Space Technology
Civil engineering	Aviation
Veterinarian	Mechanical Engineering
Chemical Engineering	Teaching
Mining Engineer	Surveyor
Dentist	Environmental Science

Please note:

- This subject requires critical thinking and problem solving
- Lots of hard work and studying
- A real interest in Sciences



Video download: https://www.weebly.com/uploads/b/24016989-259588954784557001/2022_life_sciences_460.mp4

Life Sciences (formally known as Biology) increases our understanding of life processes. It increases our insight on disease, improving human health, the molecular structure of viruses, bacteria, fungi, plants and animals. The system of classification of life, genetics and genetic engineering, Darwin and his Theory of Evolution. The ascent of humanity with the discovery of DNA and advances in medicine and the human impact on the environment. It also deals with the systems that make up our bodies i.e. digestive, reproductive, nervous, excretory, endocrine (hormonal), circulatory etc.

If one chooses to do Life Sciences as a subject, they will be required to learn theory and do hands on practical work. Some of the careers linked to Life Sciences require you to have Mathematics and Physical Science, but these requirements are not essential and Life Sciences can still be a subject choice without taking these subjects.

Life Sciences opens the door to careers in:

- Medicine
- Zoology and Botany
- Nature Conservation and Game Ranging
- Veterinary Science
- Psychology and Sports Psychology
- Nutritional Science
- Marine Biology
- Genetic Engineering and Biotechnology
- Forensic Science
- Environmental Science



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Why Is Accounting Important?

Accounting plays a vital role in running a business because it helps you track income and expenditures, ensure statutory compliance, and provide investors, management, and government with quantitative financial information that can be used in making business decisions.

Why choose Accounting?

- Because you do not have to be great to start, but you have to start to be great.
- If it was not hard, everyone would do it. It is the hard work that makes it GREAT.

Please note the following:

Learners wanting to take Accounting will need to write an entrance exam during Term 2 Assessments, learners were invited through Google classroom as well as during EMS lessons.

Learners will need to attain a pass mark of 60% for this test. The results will be available at the start of TERM 3 and learners will be informed if they will be able to cope with Accounting in Grade 10.

For those who are interested in the various pay scales within the Finance/Accounting field, here is an estimate of what you can expect to earn per annum (based on years' experience and location of the job):

- Auditor: R95 000 to R 530 000
- General/ Operations Manager: R99 000 to R860 000
- Accountant: R110 000 to R390 000
- Senior Accountant: R115 000 to R472 000
- Internal Auditor: R120 000 to R458 000
- Chartered Accountant: R150 000 to R780 000
- Financial Accountant: R156 000 to R500 000
- Financial Manager: R218 000 to R742 000
- Financial Director: R426 000 to R1 486 000
- Chief Financial Officer (CFO): R495 000 to R1 550 000

Accounting topics condensed summary:

Financial Accounting	Accounting concepts
	GAAP principles
	Bookkeeping
	Accounting equation
	VAT
	Salaries and wages
	Financial accounts and Financial Statements
	Reconciliations
Managerial Accounting	Cost Accounting
	Budgeting
Managing Resources	Indigenous bookkeeping systems
	Fixed assets
	Inventory
	Ethics and Internal control



Video download: https://www.weebly.com/uploads/b/24016989-259588954784557001/2022_economics_807.mp4

Until studying a subject like Economics not a lot of people are aware of how the world works, including industries, businesses and governments. You realise that it is very important to be educated in this type of area even if it gets to the stage where you become annoyed with family and friends for moaning about taxes!

Annual expected income for careers involving Economics:

- Data Analyst *R135 000 - R503 000*
- Quantitative Analyst *R299 000 - R668 000*
- Merchandise Planner *R157 000 - R579 000*
- Finance Manager *R238 000 - R874 000*
- Lecturer / Speaker *R99 000 - R577 000*
- Investment Analyst *R195 000 - R727 000*
- Financial Manager *R265 000 - R893 000*
- Data Scientist *R229 000 - R745 000*
- Financial Analyst *R184 000 - R701 000*
- Research Analyst *R98 000 - R443 000*
- An Economist typically makes between *R149 000 - R703 000*.

The **purpose** of Economics:

Economics learners will be able to:

- Use resources efficiently to satisfy the competing needs and wants of individuals and of society.
- Understand the concept of monetary and real flows in an open economy within the confines of production, consumption and exchange.
- Develop skills to apply demand and supply, and cost and revenue analyses to explain prices and production levels.
- Understand reconstruction, growth and development, as well as a critical approach to initiatives for a fair distribution of income and wealth, human rights and responsibilities.
- Explore a variety of methods and strategies to analyse and explain the dynamics of markets.
- Analyse and assess the impact of local and global institutions on the South African economy.
- Explain economic events and forecast their consequences or predict likely future outcomes.

Note to the Parents regarding *Business Studies* and *Economics*:

If your child chooses this learning area, you will be required to purchase a **notebook** from the front office as stipulated on the textbook list each year.

This *notebook* is a **compulsory purchase** for each year and an additional expense.

This is for: Gr. 10 – 12 Business studies and Gr. 10 – 12 Economics and contains a summary of the work that will be taught in class.