



SUBJECT CHOICE BOOKLET :2022

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1. Commerce Department

1.1 Accounting

The success of an Accounting learner depends on his/her dedication and commitment.

Most learners choose Accounting because of the prestigious career opportunities that the subject carries, yet many learners do not have the analytical skills and drive for perfection that the subject demands of them. Pressure placed on learners by their parents and friends may result in the wrong choices being made and it is common practice that many Grade 10 learners drop out of Accounting by June, thus jeopardizing their chances of achieving better results in another subject.

Other than that, Accounting is very interesting and broad, especially in the tertiary stages of the field. It is of vital importance that the subject be chosen wisely with the intention of working hard on a daily basis.

Career opportunities:

1. Information and Technology Accountant
2. Forensic Accountant
3. Chief Financial Officer (CFO)
4. Chartered Accountant
5. Auditor
6. Financial Analyst



The roots of education are bitter, but the fruit is sweet- Aristotle

1.2 Business Studies

WELCOME TO THE WORLD OF BUSINESS STUDIES

What is Business Studies?

Business Studies is a dynamic course that prepares students for the challenges of the 21st century by introducing them to the world of business. It emphasizes the ever-changing character of business, the diverse nature of the business enterprise, and the interdependence of the various parts of the business world. Although an academic subject, Business Studies is practical, applied, and exciting. It equips pupils with many life skills such as communication, problem-solving, time management, teamwork, and decision-making. Whether your aim is to pursue an academic career, train for a profession, or become an entrepreneur the necessary knowledge and skills will be taught.

What are our Aims?

To maintain and/or stimulate pupil curiosity, interest, and enjoyment in Business Studies.

To enable pupils to be familiar with a body of business and economic knowledge, principles, skills, and vocabulary.

To enable pupils to see Business Studies in the context of a wider body of knowledge and skills.

To enable pupils to understand and use investigative methods.

To enable pupils to develop a range of desirable personal qualities such as politeness, perseverance, initiative, and independence.

To enable pupils to be able to work independently and as part of a team.

To employ teaching methods and resources that allow all pupils (irrespective of their gender, ethnic origin, academic ability, etc.) to have equal access to Business Studies and to experience success and enjoyment in their Business Studies work

To develop an awareness in pupils of the implications of business and industry (past and present) for the individual, the community, and the environment

Career opportunities:

1. Business Analyst
2. Sales and Marketing Manager
3. Business Management
4. Entrepreneurship / Small Business
5. Human Resources



Education is the key to unlock the golden door of freedom- George Washington Carver

1.3 Economics

Economics is the study of the Economy as a whole: There are two main branches that are studied.

- 1) Macro Economics looks at concepts such as gross domestic product, business cycles, inflation, and labor relations, including trade unions. The circular flow, with the four participants, is examined in detail. The four participants are consumers, producers, the government, and the foreign sector. The various sectors, Primary, Secondary, and Tertiary are also looked at.
- 2) Microeconomics looks at the individual or business. Demand and supply are examined in detail. Perfect and imperfect markets are looked at using graphs.

General issues (are covered as well in Economics) such as poverty, globalization, international trade, exchange rates, economic growth and development, and money.

Career opportunities:

1. Economist
2. Quantitative Analyst
3. Actuary
4. Financial planner
5. Investment Analyst
6. Financial Risk analyst



2. Humanities Department

2.1 Geography

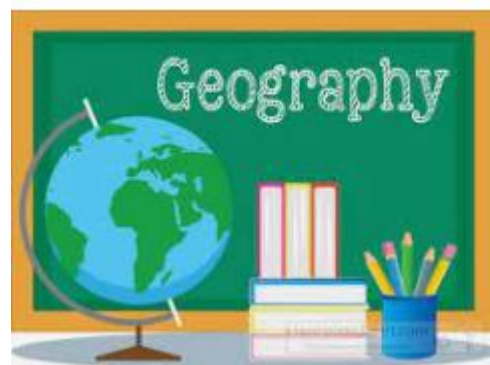
Geography is a science that studies physical and human processes and spatial patterns on Earth in an integrated way over space and time. It examines the spatial distribution of people and their activities, physical and human-made features, ecosystems, and interactions between humans, and between humans and the environment in a dynamic context.

Three major aspects of Geography will be covered:

- Geographical skills and techniques
- Knowledge and understanding
- The application of skills and knowledge to practical issues

Career opportunities:

- Meteorologist or Climatologist: work at weather stations or for TV networks
- Seismologists: People who study earthquakes
- Lecturer / Educator
- Land Surveying
- Town planning
- Nature conservation (Eco-Tourism)
- Geographical Information Scientist
- Environmental Science and Management
- Water Resource Manager
- GIS specialist & Soil Scientist



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3. Mathematical Department

3.1 Mathematics

Mathematics consists of four **broad areas**: problem-solving, communication, reasoning, and connections. The **content of the broad areas includes** estimation, number sense, geometry, and spatial sense, measurement, statistics and probability, fractions and decimals, and patterns and relationships.

But what is Mathematics:

math·e·mat·ics n. (used with a sing. verb). The study of the measurement, properties, and relationships of quantities, using numbers and symbols. [From Middle English *mathematik*, from Old French *mathematique*, from Latin *mathematica*, from Greek *mathematike* (*tekhne*)]

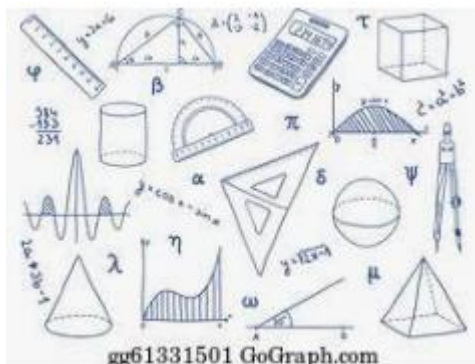
The American Heritage Dictionary

math-e-mat-ics n. ... the science of numbers and their operations, interrelations, combinations, generalizations, and abstractions and of space configurations and their structure, measurement, transformations, and generalizations.

Webster's New Collegiate Dictionary

To those who do not know **Mathematics**, it is difficult to get across a real feeling as to the beauty, the deepest beauty of nature. ... If you want to learn about nature, to appreciate nature, it is necessary to understand the language that she speaks in.

*Richard Feynman. 1918-1988.
American physicist.
The Character of Physical Law*



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3.2 Mathematical Literacy

Mathematical Literacy provides learners with an awareness and understanding of the role that Mathematics plays in the modern world. Mathematical Literacy is a subject driven by life-related applications of Mathematics. It enables learners to develop the ability and confidence to think numerically and spatially in order to interpret and critically analyze everyday situations and solve problems.

Mathematical Literacy learners should be able to handle the math of everyday life, and know something about:

- mortgage bonds, tax
- investments
- how to read a map
- follow timetables
- estimating and calculating areas and volumes
- understanding house plans
- understanding and using dress patterns
- using recipes
- using medicines correctly.



Mathematical Literacy learners will become contributing workers in the workforce. They should be able to:

- deal with work-related formulae
- read statistical charts
- deal with schedules
- understand instructions involving numerical components.

The difference between Mathematics and Mathematical Literacy:

1. Mathematics focuses on the discipline of Mathematics
2. Mathematical Literacy focuses on the role of mathematics in the real world
3. With Mathematical Literacy, relevant, current contexts are used
4. With Mathematics, applications are important but do not have to be only real-life contexts
5. In Mathematics, content is broadened as the learner progress from one year to another
6. In Mathematical Literacy, only basic mathematics is needed. A few new concepts are introduced in Grades 10 and 11.
7. In Mathematics, both content and contexts become more complex and advanced year by year
8. In Mathematical Literacy, contexts become more complex

4. Science Department

4.1 Life Sciences

The broad spectrum of teaching covered in the curriculum for Life Sciences provides an understanding of life and living.

The concepts of energy transfer and transformation from the *Energy and Change* theme assists learners in understanding life processes such as photosynthesis and respiration.

An understanding of the structures of the Earth and processes that occur in the Earth, covered in the *Earth and Beyond* theme, helps learners in Grade 10 to grasp the concepts such as fossilization and mass extinction.

The nature of matter, which is dealt with in the *Matter and Materials* theme of the Life Science curriculum, helps learners to understand the chemical processes that occur in living organisms.

4.2 Physical Sciences

Learners must do Mathematics in order to do Physical Science

Physics is the study of the relationship between matter and energy.

Chemistry is the study of the composition of matter and of the reactions between various forms of matter. Notice that both chemistry and physics deal with the study of matter and we can therefore expect a certain amount of overlapping of subject material.

Both physics and chemistry are to a large extent, experimental sciences. Theories have been developed to explain physical phenomena, but most of these have been a result of painstaking laboratory work. Physical science is a 'doing' science, not merely a collection of facts.

Possible Careers:

- Medicine; Engineering; Geology; Teaching; Actuarial Science; Pathologist; Forensic Scientist; Conservationist; Agricultural Scientist; Architect; Dentist; Vet; Nuclear Physicist.



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5. Technical Department

5.1 CAT (Computer Application Technology)

WHAT IS COMPUTER APPLICATIONS TECHNOLOGY?

Computer Applications Technology is a new subject. It originates from and is a subset of the broader knowledge domain of Information and Communication Technologies (I.C.T.'s). I.C.T.'s are the combination of networks, hardware, and software as well as the means of communication, collaboration, and engagement that enable the processing, management, and exchange of data, information, and knowledge.

WHAT IS THE PURPOSE OF COMPUTER APPLICATIONS TECHNOLOGY?

This is a problem-solving subject developing higher-order thinking skills.

Computer Applications Technology is learning about I.C.T. and working with I.C.T. and is introduced to teach learners:

- * Technology skills – the ability to use the facilities of technology in an end-user environment and operate them purposefully and effectively.
- * Information skills – the ability to access, retrieve, store, organize, manipulate, evaluate, maintain, analyze, interpret, present and communicate information, as well as using I.C.T. to process information.
- * Problem-solving skills – the application of an authentic methodology for solving problems in an irregular range of cases.
- * Creative skills – the ability to design, develop and produce creative and elegant solutions. *
- Collaborative skills – the ability to develop multi-faceted and multi-levelled systems through collaborative teamwork; and
- * Lifelong learning skills – the ability to achieve and maintain the knowledge, skills, values and attitudes required in a dynamic knowledge domain.

The C.A.T. learner should demonstrate the following qualities to excel in the subject:

- * Sound communication skills
- * Language proficiency
- * Fine motor skills
- * Logical and practical thinking skills
- * Creativity
- * Problem-solving skills
- * Visual literacy
- * A willingness to learn and apply skills in different situations
- * A willingness to engage in lifelong learning * Higher-order thinking skills



NB: Learners **MUST** have a computer at home.

Possible Careers:

- Computer hardware engineer; Web developer, Data security analysis, computer software engineer

The roots of education are bitter, but the fruit is sweet- Aristotle

5.2 Consumer Studies

**** Limited to 35 Learners**

Consumer Studies is a practical subject, and all fees must be paid by February in order for learners to complete the practical work.

As a subject, Consumer Studies focuses on developing knowledge, skills, values, and attitudes in learners to enable them to become responsible and informed about the consumption 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.

Job opportunities:

- Marketing and Management
- Public Relations and Media
- Dietician
- Field of Clothing
- Interior Designer



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5.3 Visual Art

What is Visual Arts?

Visual Arts cover a broad field of creative practice that involves the hand, the eye, the intellect, and the imagination in conceptualizing and creating two-dimensional and three-dimensional artworks, objects and environments that reflect the aesthetic, conceptual, and expressive concerns of individuals or groups.

Learners acquire the capacity to make practical and aesthetic decisions in the development of a coherent body of work. The subject of Visual Arts is about self-expression and offers learners a way to engage meaningfully with, and respond to, their world. It provides opportunities to stimulate and develop learners' intellect, engaging their creative imagination through visual and tactile experiences and the innovative use of materials and technology in realizing their ideas.

Specific aims

Grade 10-12 Visual Arts learners aim to:

- explore, develop and realize creative ideas in response to both externally set and self-generated projects, drawing on own experience and own knowledge of visual culture in the past and present.
- explore and manipulate materials, techniques, processes, and technology in the making of imaginative and innovative artworks of personal expression.
- explore materials, processes, and techniques in an efficient, economical, safe, and responsible way.
- understand the social and historical role of visual arts in transforming society

Job opportunities:

- Art consultant
- Art Editor
- Art Gallery Director
- Architect
- Artist
- Cartoonist
- Cinematographer



Art is having
something to say
and having the means to
say it.

The roots of education are bitter, but the fruit is sweet- Aristotle

5.5 Dramatic Arts

What is Dramatic Arts: it is the study of the representation of human experience in dramatic form for an audience.

In drama, students are able to explore intellectual, social, physical, emotional, and moral domains through learning which involves thought, feeling, and action. Drama fosters self-discipline, confidence, and teamwork and develops skills in interpreting, researching, negotiating, problem-solving and decision making.

Things to consider when selecting Dramatic Arts:

1. First and foremost, to have a love for performing in front of an audience.
2. You must not be shy.
3. You must understand and relate to people.
4. Have excellent social skills.
5. You must be able to debate, explore and reflect on the often-difficult subject matter.
6. Very important too, is to be creative.

Career opportunities:

7. Actor
8. Critic
9. Director
10. Drama editor
11. Drama teacher
12. Broadcast presenter
13. Drama therapist
14. Theater director



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5.6 Tourism

The subject of Tourism introduces and orientates learners to the tourism industry. In addition, the knowledge, skills, values, and attitudes gained in this subject will prepare learners for lifelong learning and the world of work. It will also equip learners to identify related entrepreneurial opportunities.

Learners will study:

- Different types of tourists and the purpose of their traveling.
- Different tourism sectors, with special reference to transport, hospitality, travel organization, and support services.
- Foreign exchange concepts and the buying power of different foreign currencies.
- Map work
- Marketing
- Technology customer care and the value of service excellence.
- Tour planning

Top 10 careers in Tourism and Hospitality

1. Travel Agent
2. Hotel Manager
3. Spa Manager
4. Tour Operator
5. Event & Conference Organizer
6. Tour Guide
7. Executive chef
8. Sommelier
9. PR Manager
10. Leisure Activity coordinator



Subject choice information 2023

The subject choice must be finalized before the end of the term to facilitate staffing requirements for 2023. Learners are encouraged to speak to teachers in the respective subjects in order to get a good idea of what the subject entails and the content material for the subject.

As different tertiary facilities have different requirements for specific areas of study, it is wise to contact the subject advisor at the facility you would consider attending to establish what those requirements are.

Compulsory Core Subjects – English HL, Afrikaans FAL, Mathematics/Mathematics Literacy, and Life Orientation, along with the above subjects are offered at Wordsworth High School.

Current Promotional Requirements

To be promoted to Grade 10, a learner must achieve at least:

- 50% in English HL and 40% Afrikaans FAL
- 40% in Mathematics
- 40% in THREE other subjects
- 30% in TWO other subjects

To achieve a diploma pass in Grade 12, a learner must achieve at least:

- 40% in Home Language
- 40% in FOUR other subjects (not including L.O)
- 30% in TWO other subjects

To achieve a bachelor's degree pass in Grade 12, a learner must achieve at least:

- 40% in Home Language
- 50% in FOUR other subjects (not including L.O)
- 30% in TWO other subjects

Grade 10 Subject Streams 2022

Compulsory Subject for all learners:

1. English
2. Afrikaans
3. Life Orientation

Requirements: 50% for Mathematics in Grade 9	Requirements: 50% for Mathematics in Grade 9
<u>Stream A</u>	<u>Stream B</u>
Mathematics Physical Science Life Science Option A: - Geography <p style="text-align: center;">Or</p> Option B – CAT	Mathematics Physical Science Accounting Option A: - Visual Arts <p style="text-align: center;">Or</p> Option B – Economics
Requirements: 50% for Mathematics in Grade 9	
<u>Stream C</u>	<u>Stream D</u>
Mathematics or Math's Literacy Accounting Business Studies Option A: - Economics <p style="text-align: center;">Or</p> Option B – CAT	Math's Literacy Geography Tourism Option A: - Dramatic Arts <p style="text-align: center;">Or</p> Option B – History
<u>Stream E</u>	<u>Stream F</u>
Math's Literacy Geography History Option A: - Life Science <p style="text-align: center;">Or</p> Option B – Visual Arts	Math's Literacy Consumer Studies Business Studies Option A: - Economics <p style="text-align: center;">Or</p> Option B – Tourism

**CAT and Consumer Studies are limited to 35 learners

** Visual Arts and Dramatic Arts are subject to Auditions

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