

HOPEFIELD HIGH SCHOOL



Subject Choice Information Booklet

Grade 10

Grade 10

OUR STATS – Our pride!

2024	
Matric pass rate	100%
Tertiary Exemption rate	100%
University Exemption rate	91%
A-average learners	7 students
B-average learners	26 students
Achievements	ALL Grade 12 subjects 100% pass rate South African Top 20 list for schools with most A-symbols per Gr12 subject: • Maths Lit 8th • Afrikaans Huistaal 14th • Physical Science 15th HSH ranked 6th on Western Cape Merit List for Afrikaans Huistaal

2023	
Matric pass rate	100%
University Exemption rate	93%
A-average learners	9 students
B-average learners	22 students
Achievements	Mathematical Literacy 1st in the West Coast Mathematics: List of top achieving schools in the Western Cape - class average of 61,4% Afrikaans EAT ranked 5th in South Africa!

2022	
Matric pass rate	100%
University Exemption rate	89%
A-average learners	3
B-average learners	22
Achievements	Top Achieving school on the West Coast! On South African Top 20 list for schools with most A-symbols per Gr12 subject: - Maths Lit - 19th in SA Ranking in Western Cape - Afrikaans EAT - 5th - Afrikaans Huistaal - 19^{de} External Systemic Tests - Grade 3 49% above provincial average - Grade 6 34% above provincial average - Grade 9 56% above provincial average

2021	
Matric pass rate	100% matric pass rate
Tertiary Exemption rate	100%
A-average learners	6 learners
A-average learners	25 learners
Achievements	HSH in South African Top 20 for Afrikaans HL

2020	
Matric pass rate	
University Exemption rate	91.5%
A-average learners	8 learners
B-average learners	24 learners
Achievements	HSH in Western Cape Top 20 for Maths Ranked 3rd in the Western Cape for Gr 12 Afrikaans HL External Systemic Tests - Grade 3 34% above provincial average - Grade 6 23% above provincial average - Grade 9 35% above provincial average

2019	
Matric pass rate	100%
Tertiary Exemption rate	98%
A-average learners	5 learners
B-average learners	17 learners
Achievements	HSH in Western Cape Top 20 for Maths National Top 20 for Gr 12 Afrikaans HL

WHAT IS THE BASIC REQUIREMENTS FOR HSH?

Learners must take the 4 FUNDAMENTAL subjects:

1. A Home Language
2. A First Additional Language
3. Mathematics or Mathematical Literacy
4. Life Orientation

PLUS 3 other elective subjects must be chosen.

WHAT ARE THE REQUIREMENTS FOR A BACHELOR'S DEGREE CERTIFICATE?

The minimum entry requirements for a degree course at a university are:

- Pass one official language at Home Language level at 40% or more
- Pass 4 subjects at 50% or more (excluding Life Orientation)
- Pass 2 other subjects at a minimum of 30%
- Meet the language requirement for entry to further study

This certificate will not in itself guarantee entry to a degree course of your choice. Universities publish their own requirements for programmes. For example, Mathematics and Physical Science are required for Health Sciences, Veterinary Science, Natural Science and Engineering. Most business courses require Mathematics.

HOW SHOULD I GO ABOUT CHOOSING?

You need to know your strengths and interests to make important decisions, like choosing your school subjects. Get honest feedback from your family and friends and take time to reflect on yourself. It is very important that the choice be yours and that you focus on the subject itself.

Ask yourself:

- Do I enjoy this subject?
- Am I any good at it?
- Do I know what the subject involves?
- Do I need it for a particular career?
- Does it align with my passions?

CAN I CHANGE MY CHOICES?

Yes – You will be allowed to change up to 2 subjects in Grade 10. In Grade 11 and 12, you will be able to change 1 subject for another subject. Due dates/deadlines for subject changes are set by the WCED. Courses are designed to last for three years. The latest time a change should be considered is at the end of Grade 11. Better to choose carefully first time, commit to that choice, and avoid the additional stress and expense involved in catching up.

WHAT ABOUT EXTRA SUBJECTS?

Music, Visual Arts and Design can be taken as an 8th subject.

HSH SUBJECT CHOICES

Grade 10-11 learners have to choose **ONE** subjects from the following 7 streams offered (prior aptitude testing recommended):

GROUP 1	Afrikaans Huistaal Afrikaans Eerste Addisionele Taal
GROUP 2	English Home Language English First Additional Language
GROUP 3	Mathematics Mathematical Literacy
GROUP 4	Life Orientation (compulsory)
GROUP 5	Physical Sciences Business Studies Computer Applications Technology (CAT) Engineering and Graphics Design (EGD) Music Visual Art Design
GROUP 6	Consumer Studies Accounting Music Visual Art Design Business Studies Engineering and Graphics Design (EGD) Tourism
GROUP 7	Life Sciences Computer Applications Technology (CAT) Information Technology (IT) Tourism Music Visual Art Design

NOTE:

- Music, Visual Arts and Design can be taken as an 8th subject.
- Learners may change from Mathematics to Mathematical Literacy, but not from Mathematical Literacy to Mathematics.
- Physical Science may only be taken if Mathematics is also selected.

HSH Subjects Offered

Excluding compulsory subjects (Afrikaans, English, Life Orientation)

Accounting	7
Business Studies	8
Computer Applications Technology (CAT)	9
Consumer Studies	10
Design	11
Engineering and Graphics Design (EGD)	12
Information Technology (IT)	13
Life Sciences	14
Mathematical Literacy	15
Mathematics	16
Music	17
Physical Sciences	18
Tourism	19
Visual Arts	20

ACCOUNTING

OVERVIEW		
Accounting is the language of business, allowing you to interpret and communicate a company's financial story. It is also highly relevant to daily life, as everyone interacts with money - whether through purchasing goods and services, managing a budget, or understanding personal finances.		
FOCUS		
PAPER 1: Financial Accounting		PAPER 2: Managerial Accounting
- Record & report of financial transactions - Financial Statements - Analysis of Financial Statements - Companies & Auditing		- Internal Control and Ethics - Budgets - Reconciliation - Cost calculations of products - Stock
ACCOUNTING DEVELOPS THE FOLLOWING SKILLS AND VALUES:		
- The ability to be methodical and logical. - The ability to focus on detail and fine print. - The ability to be meticulous, neat, thorough and accurate. - The capability to organise and manage one's own finances and activities responsibly and effectively. - The ability to be hardworking and disciplined. - Honest and ethical behaviour.		
SKILLS/CHARACTERISTIC TRAITS PUPILS SHOULD POSSESS		CAREER POSSIBILITIES
- A good work ethic - Attention to detail - Analytical skill - Good organisational skills - Good time management - Critical thinker - Perseverance - Self-discipline - Problem-solving skills		- Bookkeeper - Forensic accountant - Chartered Accountant - Financial management - Auditor - Financial consultants - Debtor / creditor clerk. - Taxation Specialists - Managers, etc

BUSINESS STUDIES

OVERVIEW

In Business Studies, you will explore the world of business through real-world scenarios and current developments. You will learn how management, leadership, and decision-making influence key areas such as marketing, production, finance, and human resources to enhance business performance. Additionally, you will examine the impact of external factors like inflation, taxation, imports, and global events, such as pandemics, on businesses of all sizes - both locally and internationally.

FOCUS

PAPER 1:	10	11	12
Business Environments	Features, Components, Inter-relationship of Micro, Market, Macro environment Business sectors Contemporary socio-economic issues	Influences / challenges of business environments Adapting to challenges of the business environments Contemporary socio-economic issues Business sectors	Impact of recent legislation Business strategies Business sectors
Business Operations	Business functions The concept of quality	Marketing function Production function Human Resources	Human resources function Quality of performance
PAPER 2:	10	11	12
Business Ventures	Forms of ownership Business opportunities Presentation of business information Business plan	Benefits of a company over other forms of ownership Avenues of acquiring a business Transformation of a business plan into an action plan Setting up/starting a business Presentation of business information Entrepreneurial qualities and success factors	Management and Leadership Investment: Securities/ Opportunities & Insurance Forms of ownership Presentation and data response
Business Roles	Social responsibility Creative thinking and problem solving Team performance	Creative thinking and problem solving Stress, crisis and change management Professionalism and ethics Team dynamics and conflict Management	Ethics and professionalism Creative thinking and Problem-solving Corporate Social Responsibility (CSR) vs Corporate Social Investment (CSI) Human rights, inclusivity and environmental issues Team performance Conflict management

CAREER POSSIBILITIES

- Human Resource Management - Business Management - Investments - Insurance industry - Finance Management - Retail Business Management	- Debtors & Creditors - Banking - Business Analyst - Entrepreneurship - Marketing Management - Public Relations - Labour Relation
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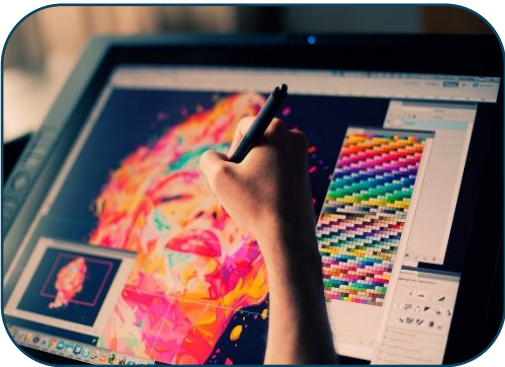
COMPUTER APPLICATIONS TECHNOLOGY

OVERVIEW		
Computer Applications Technology (CAT) is an engaging subject offered to Grade 10, 11 and 12 learners. It focuses on using end-user computing applications and effectively communicating through information and communication technologies (ICTs), which include networks, hardware, and software. CAT enhances both creative and logical thinking while equipping students with essential computer literacy skills - preparing them for the modern workplace.		
FOCUS		
PAPER 1: PRACTICAL		PAPER 2: THEORY
• Computer Management • Solution development, which includes ○ MS Word ○ Excel ○ Access ○ PowerPoint ○ Website design		• Effective use of information and communication technology • Use and understanding of hardware and programs • Networks • Information Management • Social Implications • Dark side of Computers
SHOULD I TAKE THIS SUBJECT?		
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. A computer at home is an advantage, but not a prerequisite for the subject.		
CAREER POSSIBILITIES		CAT DEVELOPS THE FOLLOWING SKILLS
CAT career opportunities can be found in almost every industry, e.g. Healthcare, finance, science to manufacturing and agriculture. • Big data engineers, applications architects, web developers • administrators, computer and software engineers, data security analysts, • information systems security managers, health information technology • careers, statisticians, mathematicians, business intelligence analysts, • computer and information research scientists, • network architects, systems engineers, • computer support specialists and mobile application developers.		• Computer Literacy and Digital Proficiency • Software Application Skills • Data Analysis • Critical Thinking • Project Management • Internet and Online Communication Skills • Web Design • Cybersecurity Awareness • Digital Citizenship

CONSUMER STUDIES

OVERVIEW	
Consumer Studies is a subject that directly applies to everyday life. Since everyone is a consumer, it is important to know how to purchase wisely, select and eat foods that are healthy and be able to live in a home that is both functional and attractive. The subject also covers key business principles, including starting and managing a small business to ensure profitability. Through the practical component, students gain hands-on experience in producing and marketing various products, preparing them for real-world entrepreneurial opportunities.	
FOCUS	
• Develop learners into responsible and informed consumers • Food & Nutrition • Clothing • Housing & Interiors • Entrepreneurship • Practical	
PURPOSE	CAREER POSSIBILITIES
Empowering Consumers – Teaches learners about consumer rights, responsibilities, and decision-making to ensure they make informed choices in purchasing goods and services. Entrepreneurial Skills – Equips learners with business and product development skills, helping them start small businesses and contribute to the economy. Financial Literacy – Develops budgeting, saving, and financial planning skills to promote responsible spending and financial independence. Health and Nutrition Awareness – Covers food preparation, nutrition, and healthy eating habits to encourage a balanced lifestyle. Resource Management – Focuses on sustainability and responsible use of resources to minimize waste and environmental impact. Career Preparation – Introduces learners to career opportunities in hospitality, fashion, retail, and other consumer-related fields.	• Food Technologist • Quality Manager • Baker/chef/cook/caterer • Food Product Developer • Food & Nutrition Consultant • Entrepreneur • Fashion Buyer • Fashion Marketer • Quality and Product Manager • Interior Designer and Decorator • Consumer Rights Advocate • Teacher / lecturer • Dietician
SHOULD I TAKE THIS SUBJECT?	
It is important to realise that although it is a FUN subject, it does entail a lot of hard work and study and one would benefit from possessing the following qualities: Good time management, good work ethic, commitment, passion, dedication, attention to detail, keen interest in health and nutrition, organisational skills and creativity. Consumer Studies can be taken at various universities as part of BA and BSc degrees.	

DESIGN

OVERVIEW	
Design is a creative problem-solving process and includes the study of both design practice and design theory. The design process involves problem identification, planning, research, innovation, conceptualisation, experimentation and critical reflection. This process typically results in new environments, systems, services and products, which may be unique or intended for mass production, or which may be constructed by hand or produced by mechanical and/or electronic means. Design adds value to life by creating products that have a purpose, that are functional and that have aesthetic value. Most importantly, Design equips learners with crucial life skills such as visual literacy, critical and creative thinking, self-discipline, and leadership. It also encourages learners to be resourceful and entrepreneurial, to strategise and to be team players.	
FOCUS	SKILLS DEVELOP:
• Develop life skills such as visual literacy, critical and creative thought processes, self-discipline and leadership • Creative Problem-Solving Process • Creation of new products • Visual communication design • Environmental Design • Product Design • Surface Design	• Creative Problem-Solving: • Critical Thinking • Project Management • Communication • Collaboration • Attention to Detail • Sustainability Awareness • Adaptability
	CAREER POSSIBILITIES
	• Jewellery design • Fashion design • Landscape Design • Interior designer • Decor journalism • Graphic designer • Multi-media artist / technician • Illustrator • Animator/Multimedia Designer • Web designer • Product designer • Design consultant • Photographer • Architecture
Design is offered as a subject by High School Hopefield, in collaboration with the Lientjie Blok Art Centre (Lientjie@imagnet.co.za).	

ENGINEERING AND GRAPHICS DESIGN

OVERVIEW

The study of Engineering and Graphics Design (EGD) equips you to produce drawings required in the mechanical, civil and electrical technology industries. You will be taught a range of drawing techniques and skills through academic and technical application.

As an EGD learner, you need to be diligent, patient and have a keen eye for detail.

FOCUS

- Mechanical and civil drawings are the main focus areas.
- Orthographic Projections
- Descriptive geometry
- Scale, Isometric, perspective drawings
- Helix and cams
- Developments and unfolding of pipes
- Penetrations of real solid bodies
- You will learn a range of instrument and freehand drawing techniques and skills.
- The solving of technological problems through graphical drawings is a key focus area.
- You will receive an introduction to CAD as a tool to assist you with drawings.

DRAWING EQUIPMENT AND INSTRUMENTS

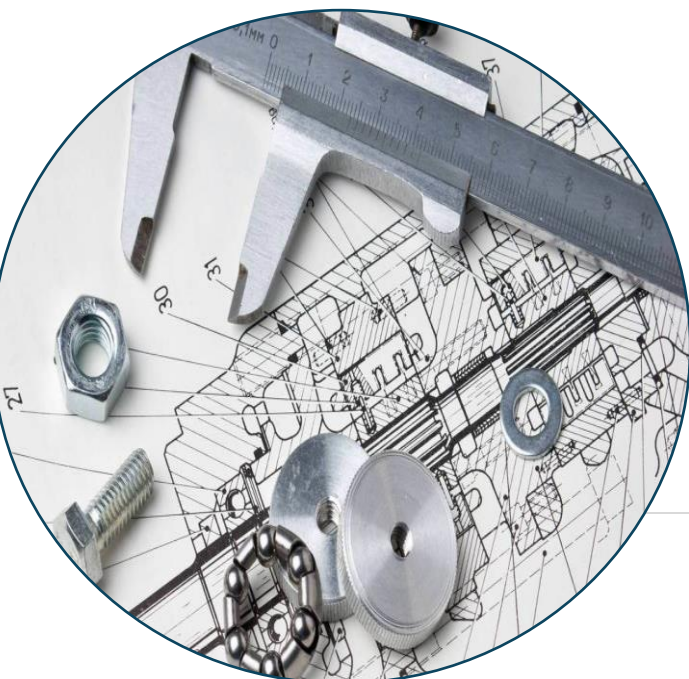
- A3 drawing board and bag
- Compass Set squares
- 30°/60° & 45° degree triangles
- Compass
- Erasing shield
- Good eraser
- Set of three French curves

NOTE THE FOLLOWING:

- You will need dedication and commitment to complete all of the required drawings and sections of work.
- All EGD learners are required to use specific drawing equipment such as protractors and stencils. The drawing-equipment list will be provided to all EGD learners and the items can be purchased at any stationery shop.

CAREER POSSIBILITIES

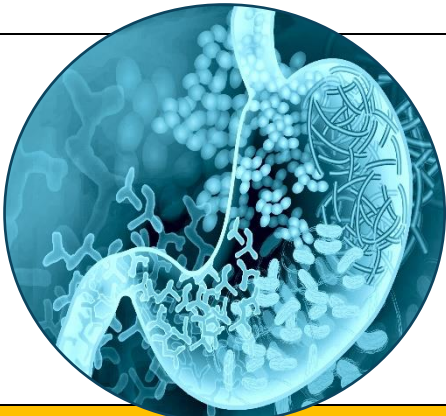
- Architecture
- Engineering
- Aviation, marine, agriculture and mining
- Industrial designer
- Interior home designer
- Landscape architecture
- Quantity Surveyor
- City and Regional planner
- Land meter
- Jewellery designer
- Model Builder



INFORMATION TECHNOLOGY

OVERVIEW		
IT is a subject that teaches learners how computers work, how to write programs, and how technology impacts our world. It covers both theory and practical skills, including computer hardware and software, programming using languages like Delphi or Java, and understanding networks and the internet. Students also learn problem-solving and logical thinking skills. IT explores cybersecurity, ethical issues in technology, and responsible digital citizenship. IT is a challenging yet enjoyable subject. A good mark in Mathematics is a prerequisite. It is strongly recommended that the learner also takes Mathematics as a subject.		
FOCUS		CAT vs IT
• Systems technologies • Internet and communication technologies • Social implications of IT • Data and information management • Solution development		CAT is about learning <u>practical computer skills</u> like using Microsoft Office, sending emails, and understanding basic hardware and software. It helps students become comfortable using technology in everyday life and business. IT is more technical and focuses on <u>programming</u>, problem-solving, networking, and cybersecurity. IT teaches students how to <u>code</u>, <u>develop software</u>, and understand how computers work on a deeper level.
SHOULD I TAKE THIS SUBJECT?		
The subject demands are great, and a high degree of self-regulated learning is expected from you. Information Technology is divided into a theory section and a practical section, each of which comprises 50% of the curriculum. In the theory component, you can expect to study the following topics:		
CAREER POSSIBILITIES		IT DEVELOPS THE FOLLOWING SKILLS
• Software Developer • Web Developer • Mobile App Developer • Game Developer • DevOps Engineer • Cybersecurity Analyst • Ethical Hacker (Penetration Tester) • Security Engineer • Data Analyst. • Data Scientist • Cloud Engineer • Big Data Engineer	• Network Engineer • IT Support Specialist • AI Engineer • Machine Learning Engineer • Robotics Engineer • IT Project Manager • IT Consultant • UI/UX Designer • Multimedia Specialist • Game Designer • Blockchain Developer • IoT Specialist	• Problem-Solving Skills • Programming Skills • Logical Thinking. • Analytical Skills • Computational Thinking. • Attention to Detail • Understanding Computer Systems • Networking Knowledge • Cybersecurity Awareness • Digital Literacy • Creativity • Critical Thinking • Ethical and Responsible IT Use.

LIFE SCIENCES

OVERVIEW		
It helps students understand fundamental life processes and the interconnectedness between living organisms and the physical world. This subject encompasses Biology while also incorporating elements of Physical Geography and Biotechnology, providing a broader perspective on the relationship between life and its surroundings.		
	FOCUS	
	• Systemic study of life • Environmental studies • Tissues, cells and molecular studies • Structures and control of processes in basic living systems • Diversity, change and continuity	
SKILLS LEARNERS DEVELOP		CAREER POSSIBILITIES
• Observation • Hypothesis Formation – Making predictions based on scientific knowledge. • Experimentation – Conducting experiments to test ideas. • Data Collection & Analysis – Recording, analysing, and interpreting biological data. • Logical Reasoning • Decision-Making – Making informed choices based on scientific evidence. • Dissection Skills – Understanding anatomy through hands-on learning. • Safe Handling of Chemicals & Equipment • Scientific Writing – Writing reports and research papers. • Presentation Skills – Explaining scientific concepts clearly. • Teamwork – Working with others in group experiments and projects. • Understanding Human Biology – Learning about nutrition, diseases, and the human body. • Sustainability Awareness – Understanding how human activities impact ecosystems. • Health and Hygiene Practices – Learning about disease prevention and healthy living.		Any career in the following fields: • Medicine • Bio-engineering • Psychology • Nursing • Education • Marine Biology • Environmental Science • Crop Science • Horticulture. <i>NOTE: You can only pursue a BSc or any medical field if you take Physical Sciences and Mathematics. You cannot follow any of those paths without Physical Sciences.</i>

MATHEMATICAL LITERACY

OVERVIEW		
Mathematical Literacy equips students with practical skills for everyday life — skills we often overlook. For example, students learn how to interpret a water bill, plan a holiday budget, and calculate the amount of paint needed for a home. These abilities are invaluable and serve as essential life tools. With dedication and effort, every learner can succeed in this subject. It is important to understand that Mathematical Literacy is not an easy subject or a simplified version of Mathematics. It is not "watered-down" Mathematics. While Mathematics focuses on scientific and abstract concepts, Mathematical Literacy teaches students how to apply basic mathematical principles to solve real-world problems in complex situations.		
SUMMARY OF CONTENT		
10	11	12
Measuring & estimating Banking VAT Direction – maps, plans Reading and interpretation of till slips, household bills Best buys in supermarkets Probability	Budgets – income and expenditure Perimeter, area, volume Scale Profit and loss Inflation, exchange rates Plans – seating, layout, street maps, railway timetables Assembling furniture, cell phones, electrical appliances, toys Probability – compound events	Time conversions Personal Income tax, pension funds Rental options National and provincial statistics Banking Hire purchase, loans Maps – National and provincial Tiling / Painting a house Growth charts Probability – National lottery
MATHEMATICAL LITERACY DEVELOPS THE FOLLOWING SKILLS AND VALUES:		CAREER POSSIBILITIES
Financial Literacy Skills	Budgeting and managing personal / business finances Understanding loans, interest rates, and debt repayment Calculating VAT, tax, and savings	• Entrepreneur • Retail Manager / Consultant • Bookkeeper / Accounts Clerk • Insurance Consultant • Hotel Manager • Travel Agent / Tour Guide • Event Planner • Teacher / Journalist • Social Worker / Psychologist • Marketing / Advertising • Public Relations Officer • Administration & Office Work • Receptionist / Data Capturer • Paralegal • Plumber • Mechanic • Construction Supervisor • Nursing Assistant • Paramedic • Fashion, Interior, Graphic Designer
Problem-Solving & Critical Thinking	Applying math to real-world scenarios (e.g., shopping, travel, home expenses)	
Measurement & Estimation	Working with different units of measurement (length, volume, mass, time) Estimating costs, distances, and time efficiently	
Data Handling & Interpretation	Reading and analysing graphs, tables, and stats Making sense of information in reports, surveys, and real-life situations	
Entrepreneurship & Business Skills	Understanding profit and loss in business Calculating pricing, discounts, and mark-up	
Communication & Logical Reasoning	Explaining financial and mathematical concepts clearly Understanding contracts, invoices, and utility bills	

MATHEMATICS

MATHEMATICS DEVELOPS THE FOLLOWING SKILLS:		
✓ Critical awareness of how mathematical relationships are used in social, environmental, cultural and economic relations; ✓ Confidence and competence to deal with any mathematical situation without being hindered by a fear of mathematics ✓ A spirit of curiosity and a love for mathematics ✓ Deep conceptual understanding in order to make sense of mathematics		
FOCUS	<i>"Mathematics is a language of logic. It is a disciplined, organised way of thinking. There is a right answer; there are rules that must be followed. More than any other subject, Mathematics is rigour distilled."</i> <i>Mastering the language of logic helps to embed higher-order habits in kids' minds: the ability to reason, for example, to detect patterns and to make informed guesses. Those kinds of skills have rising value in a world in which information is cheap and messy."</i> "The Smartest Kids in the World" by Amanda Ripley	
✓ Creative and critical problem solving ✓ Algebra and Geometry ✓ Sequences and Series ✓ Functions, inverses and logarithms ✓ Financial Mathematics ✓ Analytical geometry ✓ Trigonometry ✓ Statistics ✓ Probability, etc.	SKILLS THE LEARNER DEVELOP	
CAREER POSSIBILITIES	✓ the correct use of the language of Mathematics ✓ develop number vocabulary, number concept and calculation and application skills ✓ learn to listen, communicate, think, reason logically and apply the mathematical knowledge gained ✓ learn to investigate, analyse, represent and interpret information ✓ learn to pose and solve problems ✓ build an awareness of the important role that Mathematics plays in real life situations including the personal	
✓ Engineer ✓ Software Developer ✓ Data Scientist ✓ Computer Programmer ✓ Actuary ✓ Chartered Accountant ✓ Financial Analyst ✓ Investment Banker ✓ Physicist ✓ Chemist ✓ Statistician ✓ Forensic Analyst ✓ Patent Lawyer	✓ Doctor (Medical, Dental, Veterinary) ✓ Pharmacist ✓ Optometrist ✓ Architect / Urban Planner ✓ Pilot ✓ Astronomer ✓ Mathematics Teacher / Lecturer ✓ Artificial Intelligence Specialist ✓ Cybersecurity Analyst ✓ Software Engineer	

Prerequisite for all courses requiring Mathematics - achievement level of 4 (50-59%) or higher.

MUSIC

OVERVIEW	
Music education in schools provides students with a comprehensive understanding of music theory, history, and performance. Programmes typically include instrumental and vocal instruction, music appreciation, and composition. Students develop cognitive, creative, and social skills, such as discipline, teamwork, and self-expression. Music education is often integrated with other subjects, like math and language arts, to enhance learning and academic achievement. Effective music programmes foster a lifelong appreciation for music, promote cultural awareness, and prepare students for future careers in music and related fields, contributing to a well-rounded and enriching educational experience. Standards vary by country and institution.	
MUSIC DEVELOPS THE FOLLOWING SKILLS AND VALUES:	  
• Music education has a profound impact on children's brain development and academic performance. • Studies have found that music training improves cognitive skills, such as memory, language, and spatial-temporal skills, which are essential for academic success. • Music education has also been shown to enhance children's math skills, reading comprehension, and language development. • Additionally, music training has been linked to increased grey matter in the brain, improved concentration, and enhanced creativity. • Overall, incorporating music into a child's education can have a lasting and positive impact on their brain development, academic performance, and overall success. (Sources: NAFME, Harvard University, and the National Institute of Health)	
Instruments that may be offered	CAREER POSSIBILITIES
• keyboard instruments • voice • recorder • guitar • orchestral instruments • percussion • band instruments • drum kit	• Musician or Performer • Music Teacher • Music Composer or Songwriter • Music Producer • Professional Musician Composer/Songwriter • Sound Engineer/Technician • Music Therapist • Music Technology Specialist • Music Critic or Journalist • Concert or Event Manager
HSH offers music as a subject or additional subject, in collaboration with the West Coast Music Academy (www.westcoastmusicacademy.co.za). HSH offers the facilities, and the music tutors offer classes at school in piano, wind instruments, string instruments and percussion. Learners are able to do accredited theoretical and practical exams under their expert tuition.	

PHYSICAL SCIENCES

OVERVIEW				
This subject includes both Chemistry and Physics. Both require and develop a wide variety of abilities, including: visualising abstract ideas, understanding difficult concepts, providing clear written explanations, applying knowledge to real-life contexts and performing hands-on practical work. The subject focuses on investigating and understanding various processes that occur around us. Considering the various positive and negative impacts of science on human societies and on the environment is a vital part of the course.				
FOCUS				
CHEMISTRY	PHYSICS			
- Quantitative Chemistry - Chemical Bonding - Energy Change and Rates of Reaction - Chemical Equilibrium - Acids and Bases - Electrochemistry - Organic Chemistry	- Kinematics (motion) - Newton’s Laws and their application - Momentum, Impulse, Work, Energy and Power - Gravitational and Electric fields - Electric Circuits - Electrodynamics - Photons and Electrons			
PHYSICAL SCIENCES DEVELOP THE FOLLOWING SKILLS:				
- to think logically and independently, - to formulate and ask questions, - to work effectively, both alone and as part of a team. - creativity, while others demand that you follow strict procedures.				
NOTE THE FOLLOWING:		CAREER POSSIBILITIES		
- You should be organised, hardworking and analytical and have good mathematical skills. - It is recommended that you obtain at least 60% for Natural Science and Mathematics in Grade 9 if you are to be able to cope with the academic rigour demanded by this subject, and eventually obtain a meaningful mark at the end of Matric. - You may not take Physical Science unless you also take Mathematics. This means that if you decide to change to Mathematical Literacy in the middle of Grade 11, YOU WILL ALSO HAVE TO CHANGE FROM PHYSICAL SCIENCE TO ANOTHER SUBJECT.		<table><tr><td> - Forensics - Engineering (<i>Civil, Biomedical, Aeronautical, Electrical, Mechanical, Chemical</i>) - Surveying - Geology - Archaeology - Dietetics - Medicine </td><td> - Optometry - Physiotherapy - Occupational Therapy - Dentistry - Veterinary Science - Marine Biology - Zoology - Botany - Horticulture - Forestry </td></tr></table>	- Forensics - Engineering (<i>Civil, Biomedical, Aeronautical, Electrical, Mechanical, Chemical</i>) - Surveying - Geology - Archaeology - Dietetics - Medicine	- Optometry - Physiotherapy - Occupational Therapy - Dentistry - Veterinary Science - Marine Biology - Zoology - Botany - Horticulture - Forestry
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TOURISM

OVERVIEW

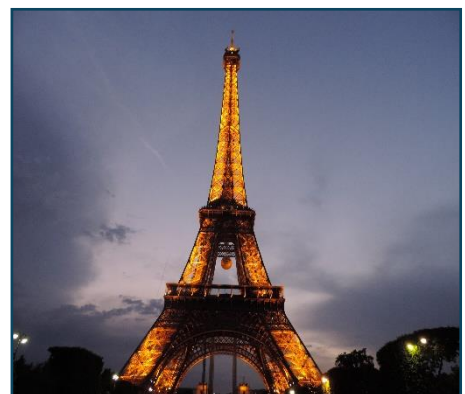
Tourism is an exciting subject that explores the dynamic world of travel and hospitality. This subject introduces you to key aspects of the tourism industry, including travel planning, customer service, marketing, sustainability, and the economic impact of tourism. You will learn about different tourism sectors, popular destinations, travel documentation, and how to provide excellent experiences for tourists. With a mix of theory and practical activities, Tourism equips you with valuable skills for future careers or further studies in the field. Get ready to discover how tourism connects people, cultures, and economies worldwide!

SPECIFIC AIMS OF TOURISM

- different types of tourists and the purpose of their travelling;
- the different tourism sectors, with special reference to transport, hospitality, travel organising and support
- services, and the attraction sector;
- map work;
- foreign exchange concepts and the buying power of different foreign currencies;
- the influence of world time zones on travel;
- South Africa and the SADC countries as tourism destinations;
- world famous icons and World Heritage Sites;
- sustainable and responsible tourism;
- marketing of tourism products;
- technology in tourism;
- customer care and the value of service excellence; and
- tour planning.

CAREER POSSIBILITIES

- | | |
|--|---|
| <ul style="list-style-type: none">• Travel Agent• Tour Guide• Hotel Manager• Front Desk Receptionist• Event Planner• Flight Attendant• Cruise Ship Staff• Car Rental Consultant | <ul style="list-style-type: none">• Tourism Marketer• Entrepreneur in Tourism• Social Media Manager (Tourism)• Eco-Tourism Manager• Wildlife Tourism Guide• National Parks Officer |
|--|---|



VISUAL ARTS

OVERVIEW		
The subject Visual Arts offers an exciting journey of creativity and personal discovery. Art students develop a wide range of skills that help them interpret and engage with the world around them. The syllabus is made up of two integrated facets: History of Art (Visual Cultural Studies), and Practical Art. This allows the Visual Arts student to develop his/her individual visual language by understanding the visual culture of the past and present. Life skills such as problem-solving, collaboration, critical thinking and self-discipline are learnt at the same time as experiencing the great personal satisfaction of developing technical skills to produce aesthetically pleasing artworks. Students can also go on to pursue a career in one of the many fields related to the Visual Arts.		
FOCUS		
• Conceptualising through the development and realisation of creative ideas • Making of creative artworks, innovative designs, management of process and presentation, safe practice • Visual Culture Studies: emphasis on visual literacy • Design Theory: emphasis on Literacy and Socio-cultural and Environment design		
SUBJECT AIMS TO:		CAREER POSSIBILITIES
• Promotes creative thinking • Involves hand, eye, intellect, emotional life and imagination • Stimulates and develops learner's intellect • Conceptualisation through the development and realisation of creative ideas • Making creative works of art and innovative designs, • Explore materials, processes and techniques in an efficient, economical, safe and responsible way • Be exposed to the diversity of visual arts traditions and good design practices • Understand the social and historical role of visual arts and design in transforming societies		• Artist • Curator • Illustrator • Teacher/ University lecturer
Visual Art is offered as a subject by High School Hopefield, in collaboration with the Lientjie Blok Art Centre (Lientjie@imagnet.co.za).		

SOURCE: DBE National Curriculum Statement (NCS), CAPS