



KINGSMEAD
COLLEGE

SUBJECT CHOICES

$y = ax + b$
 $y = 2x, b = ?$
 $b = 0$

x	0	3
y	0	6



CONTENTS

01 CORE SUBJECTS

English Home Language	06
First Additional Languages:	
• Afrikaans	07
• isiZulu	08
• Sesotho	09
Life Orientation	10
Mathematics	12
Mathematical Literacy	14

02 ELECTIVE SUBJECTS

Accounting	18
Business Studies	20
Computer Applications Technology	22
Consumer Studies	24
Dramatic Arts	26
French - Second Additional Language	28
Geography	29
History	31
Information Technology	32
Life Science	34
Music	37
Physical Science	38
Tourism	40
Visual Arts	42

03 FURTHER STUDIES SUBJECTS

Further Studies English	46
Further Studies Mathematics	47
Further Studies Physics	48
Further Studies Chemistry	50

CORE SUBJECTS

01	English Home Language	06
02	Afrikaans (FAL)	07
03	isiZulu (FAL)	08
04	Sesotho (FAL)	09
05	Life Orientation	10
06	Mathematics	12
07	Mathematical Literacy	14



English Home Language

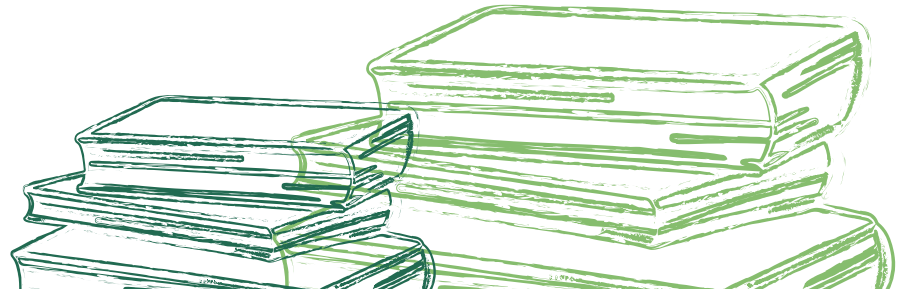
The study of English at home language level is vital as it underpins students' understanding of and success in their other subjects. In the spirit of our founder D.V. Thompson, the Kingsmead English Department strives to:

- Foster and nurture an appreciation for and love of the English language in our students beyond preparation for assessments.
- Encourage students to become critical thinkers and problem solvers through meaningful engagement with a wide variety of texts.
- Stimulate curiosity and creativity in our students so that they can produce their own original and insightful texts.
- Develop an understanding of the importance of reflective thought.

Our students' IT and collaboration skills are extended through their participation in the following Kingsmead programmes: the Kingfishers advertising collaboration module in Grade 9 and the Young Readers' Award in Grade 10.

Further opportunities for students to develop their English speaking and writing abilities are provided through voluntary participation in annual external events and competitions:

- The annual De Beers English Olympiad. Kingsmead has been placed in the Top 100 for over ten years.
- SACEE Creative Writing Competition.
- Speech and Drama College of South Africa Public Speaking Festival.



Afrikaans

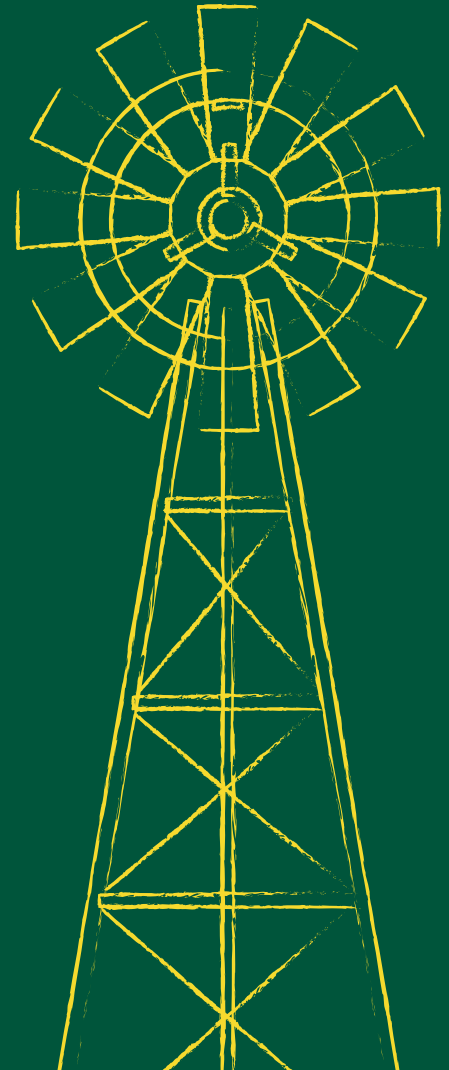
First Additional Language

Awê, Dagsê, Salam Alaikum, Hallo

Afrikaans is more than just a subject, it's a living, breathing language that extends far beyond the classroom.

At Kingsmead, students don't just learn Afrikaans; they experience it. From crafting their own children's books to immersing themselves in the vibrant arts at festivals like Aardklop, they engage with the language in ways that make it come alive.

Afrikaans thrives on creativity, taking pride in coining its own words soos tuimeltrein (roller coaster) en hommeltuig (drone). It is a language full of character, humour, and an inherent rhythm that makes it both expressive and accessible. After all, everyone knows that a good braai is lekker, especially when paired with melktert and koeksisters! Afrikaans is more than just the names of delicious dishes—it is a language that shapes the way we think, feel, and engage with the world.



isiZulu

First Additional Language

Unlock opportunities & embrace culture!

Did you know that isiZulu is the most spoken language in South Africa? By choosing isiZulu as a subject, you gain more than just language skills, you open doors to deeper cultural understanding, better communication, and exciting career opportunities. At Kingsmead, we offer isiZulu First Additional Language because we believe that language is a bridge to unity and success. Our commitment to excellence has ensured a 100% pass rate since the programme's inception!

Why choose isiZulu?

- Boost your career options, isiZulu is essential for fields like medicine, law, and media.
- Gain an edge in the job market, where multilingual skills are in demand.
- Connect with more people and play a role in fostering social cohesion in South Africa.

Benefits of learning isiZulu

- Cultural and historical knowledge: IsiZulu is more than just a language; it carries rich traditions, history, and beliefs that connect students to African heritage.
- Better communication: IsiZulu is part of the Nguni language family, making it easier to communicate with isiXhosa, isiSwati, and isiNdebele speakers.
- Enhanced thinking and speaking skills: Learning isiZulu sharpens analytical thinking, public speaking, and comprehension abilities.
- Preserving indigenous languages: By studying and using isiZulu, students help keep the language alive for future generations.

Career opportunities

You may be any of the above and more. Here at Kingsmead, we mould our students into the perfect specimens for the following career paths:

- Teaching
- Creative writing
- Academia & research
- Editing
- Language practice
- Motivational speaking
- Broadcasting & advertising
- Translating & interpreting
- Journalism
- Entrepreneurship & business

In Sesotho we say, "Sefate se tsejwa ka ditholwana" ("a tree is known by its fruit"). We continue to look for additional events and opportunities to immerse ourselves in the Sesotho culture:

- We attend cultural events with some of our neighbouring ISASA schools, such as the Sesotho Cultural Day at St Stithians College.
- We celebrate Heritage Day.
- We attend a Meet the author workshop at St Stithians for our Grade 12 novel.
- We celebrate Idiom Dress up Day.
- We have a Soweto tour with the Grade 10s



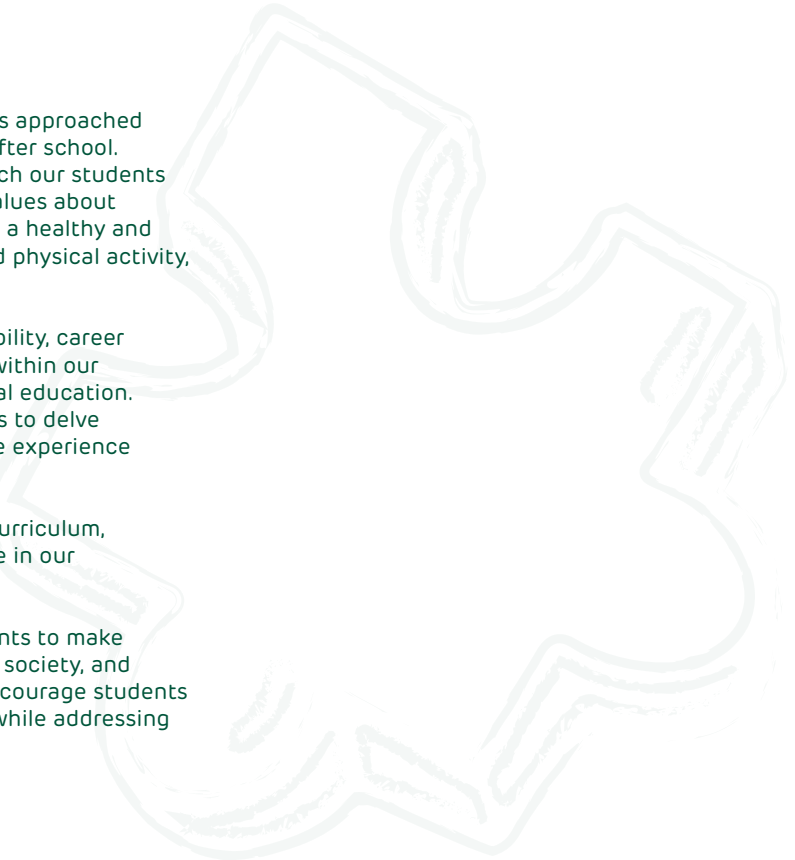
Life Orientation

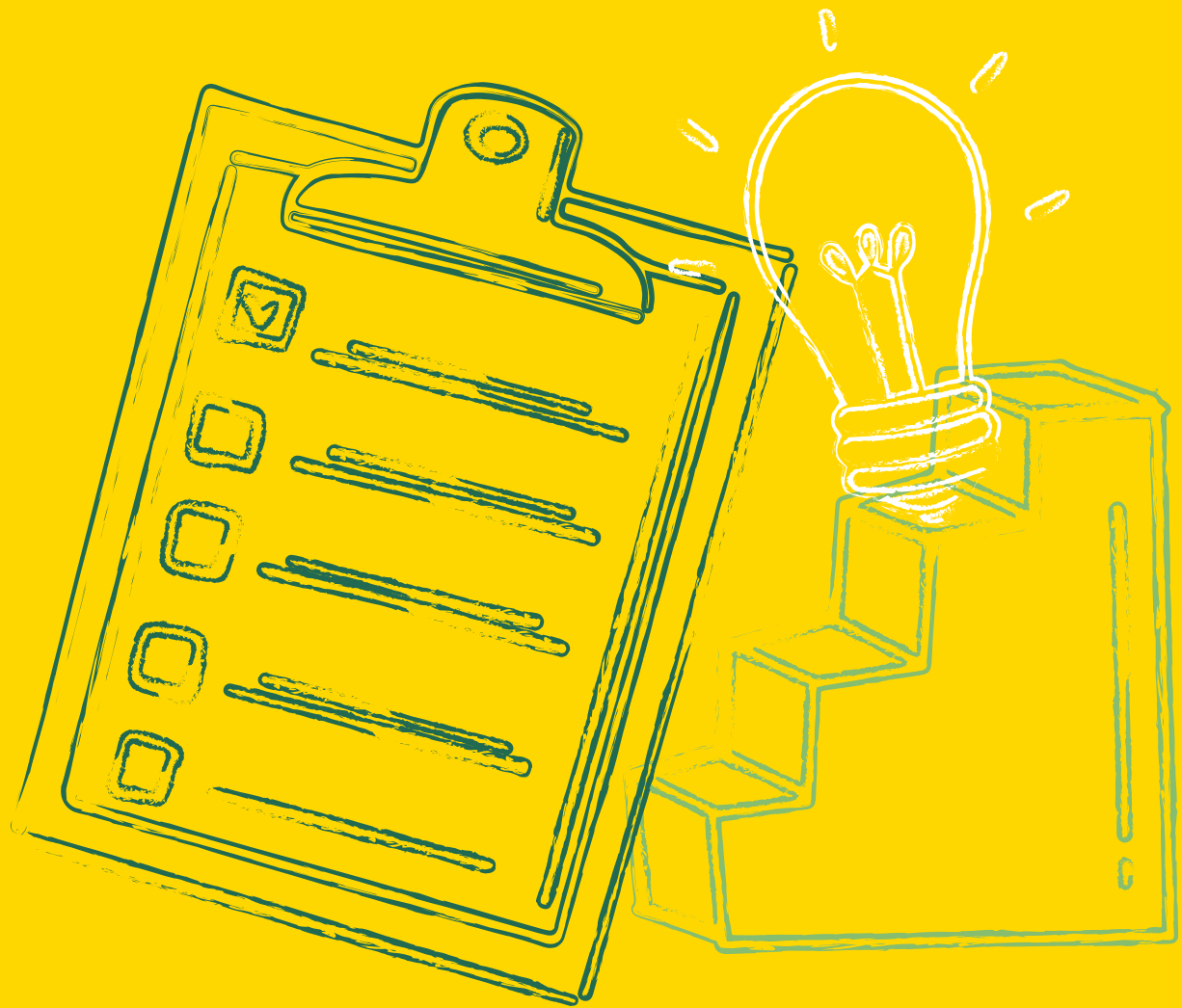
The time used for Life Orientation at Kingsmead is approached with a passion to get our students ready for life after school. We focus on current and relevant topics with which our students can grapple. It addresses skills, knowledge, and values about the self, the environment, responsible citizenship, a healthy and productive life, social engagement, recreation and physical activity, careers and career choices.

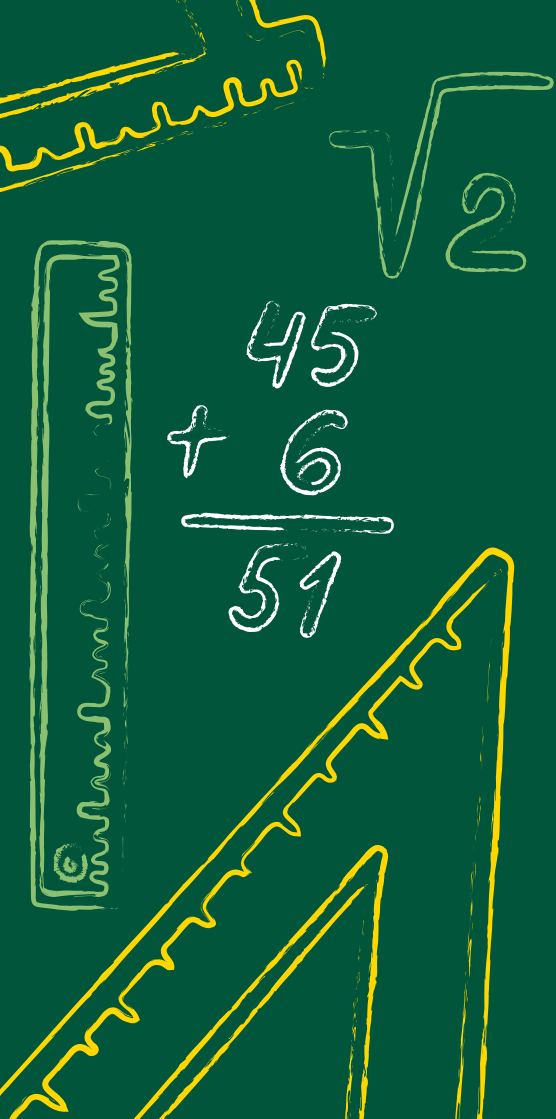
Topics include social and environmental responsibility, career options and subject choice, development of self within our society, democracy and human rights, and physical education. We focus on research projects that allow students to delve into interesting topics. Students also gain real-life experience from their projects, such as a job shadowing task.

Community Service is an integral part of the LO curriculum, which encourages students to actively participate in our prestigious Service offered at Kingsmead.

The subject specifically focuses on guiding students to make informed decisions, become active citizens in our society, and develop research and summarisation skills. We encourage students to develop interpersonal and intrapersonal skills while addressing real-life scenarios.







Mathematics

Mathematics is compulsory if you are taking Physical Science.

This subject is great if you enjoy the challenge of logical, analytical, and abstract thinking. It is ideal for the student who is confident working with algebra, geometry, and graphs. It develops logical reasoning, problem-solving, critical thinking, and analytical skills.

Success in Mathematics requires perseverance, attention to detail, curiosity, and the ability to work systematically. It is recommended that you take Mathematics if you achieve above 55% in your examinations; however, you must achieve at least 45% overall.

Why choose Mathematics?

Mathematics is ideal for students who enjoy challenges, logical reasoning, and abstract thinking. If you are confident with algebra, geometry, and graphs, this subject will suit you well. It develops essential critical thinking, problem-solving, and analytical reasoning skills—key for academic and career success.

What skills will you develop?

By studying Mathematics, you will strengthen your ability to:

- Solve complex problems
- Think critically and reason logically
- Analyse patterns and relationships
- Work accurately and systematically
- Communicate mathematical ideas effectively

These skills are vital for Mathematics and are highly valued across a range of academic disciplines and professions.

What Skills Do You Need?

To succeed in Mathematics, you need:

- Perseverance and resilience when facing challenges
- Attention to detail and a methodical approach
- Curiosity and a willingness to explore multiple solutions
- Confidence in numerical and symbolic manipulation
- The ability to work independently and manage time well

Recommended performance

To take Mathematics, you must achieve at least 45%, but it is strongly recommended that you achieve above 55% in Grade 9 to cope successfully in Grades 10–12.

Career opportunities

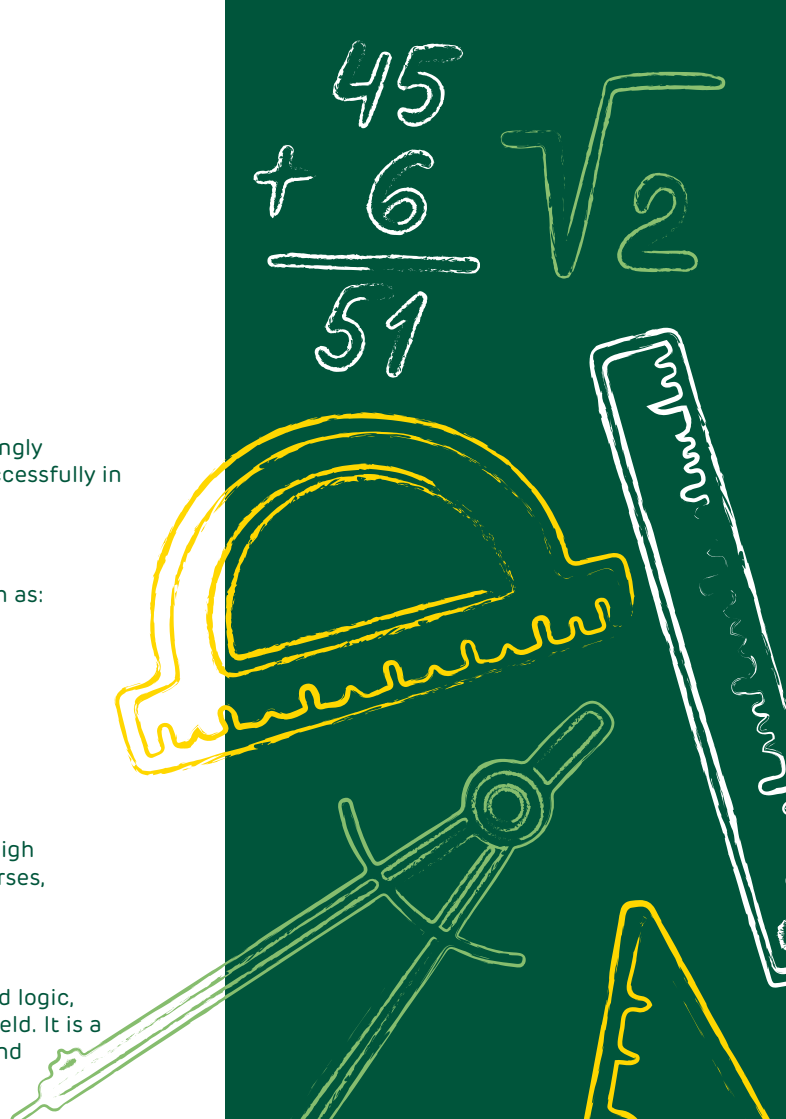
Mathematics opens doors to a wide range of careers in fields such as:

- Engineering
- Physical and life sciences
- Computer science and data analysis
- Architecture and design
- Finance and actuarial science

Note: Many degree programs that require Mathematics demand high achievement, typically above 60%, and for highly competitive courses, over 80%.

In summary

Choose Mathematics if you are motivated by abstract thinking and logic, and if you're aiming for a career in a mathematically demanding field. It is a challenging subject but offers rich rewards in skill development and future opportunities.



Mathematical Literacy

Recommended for students who prefer practical, everyday applications of maths and are pursuing careers in the humanities, arts, or service industries. It equips you with practical skills for real-life contexts such as budgeting, interpreting data, finances, and informed decision-making. You should have the ability to interpret information, reason logically, apply mathematics to everyday situations, and communicate solutions clearly.

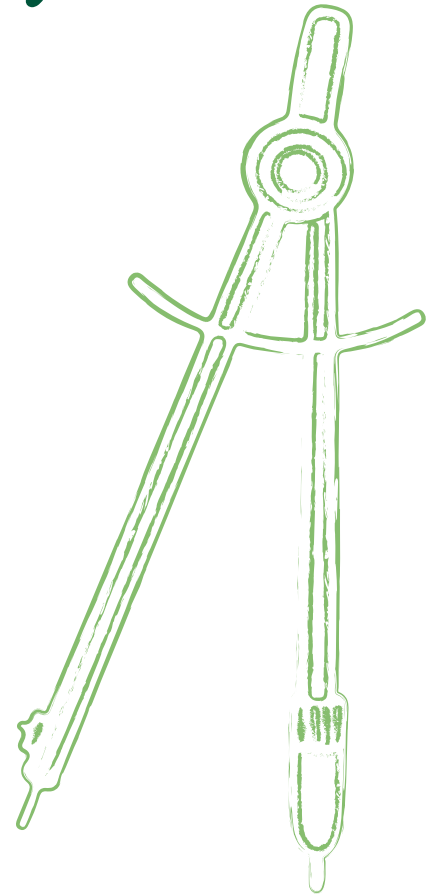
Why choose Mathematical Literacy?

Mathematical Literacy is suited to students who prefer working with practical, real-life situations over abstract mathematical concepts. If you find algebra challenging and enjoy applying numbers to everyday contexts, this subject offers a meaningful and relevant alternative.

What will you learn?

Mathematical Literacy equips you with practical mathematical skills that you can apply in real-world situations. Key learning areas include:

- Budgeting and managing personal finances
- Understanding interest, credit, and basic financial planning
- Interpreting graphs, tables, and data
- Making informed decisions using numerical reasoning
- Solving real-life problems involving measurement, time, and probability
- These skills are vital for responsible citizenship and daily decision-making



What skills do you need?

To succeed in Mathematical Literacy, you should be able to:

- Interpret and evaluate information accurately
- Apply logical reasoning to everyday scenarios
- Use mathematics as a tool for solving real-life problems
- Communicate solutions and justifications clearly and confidently

You should also demonstrate:

- Consistent effort and engagement in class
- A willingness to learn through practical examples
- A positive attitude towards improving mathematical confidence

Career pathways

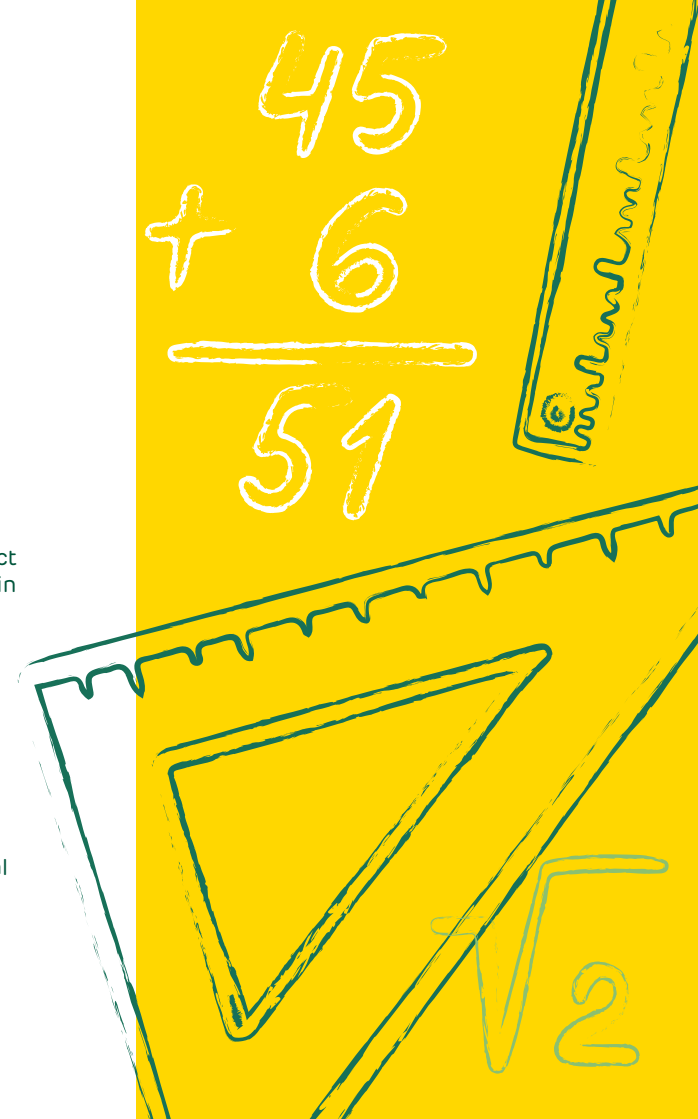
Mathematical Literacy supports careers that do not rely heavily on abstract or advanced mathematics. It is particularly suited for students interested in fields such as:

- Humanities and Social Sciences
- Arts and Design
- Education
- Media, journalism, and communication
- Hospitality, tourism, and public service

These professions often require basic numerical understanding and logical reasoning, but not formal mathematics at an advanced level.

In summary

Mathematical Literacy is a valuable option if your strengths lie in applying mathematics to real-world scenarios. It builds confidence in dealing with everyday numbers and is ideal for students planning careers that require practical, rather than theoretical, mathematical skills.



ELECTIVE SUBJECTS

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Accounting



While many associate Accounting with Chartered Accountants (CA), the subject is essential for careers in banking, investment analysis, financial planning, auditing, and corporate finance. It's a stepping stone to roles in management and entrepreneurship, where financial literacy is crucial. Beyond careers, accounting teaches students how to manage their own finances. It helps them understand how loans work, how to budget, and how to plan for future expenses — skills that will benefit them throughout their lives.

Accounting is more than just a pathway to becoming a CA — it's a vital skill that opens doors to a wide range of careers and personal financial management. Offered in Grades 10 to 12, Accounting provides a foundation for students interested in finance, but also for those wanting to develop practical life skills

Accounting builds critical thinking, problem-solving, and attention to detail. Students learn to prepare financial statements, balance budgets, and understand economic forces. These skills are applicable in any profession, from business leadership to creative industries, making them versatile and valuable. A strong foundation in Mathematics is hugely beneficial in Accounting, as it enhances students' ability to work with numbers, formulas, and financial calculations.

Moreover, accounting provides a pathway for further study in finance, business, and economics, and opens doors to professional qualifications. Even if students don't pursue a career in finance, the ability to interpret and manage finances will always be an asset.

Accounting Olympiad:

The Olympiad is an excellent opportunity for the students to showcase their skills and knowledge. It is also an informal way to test themselves without added pressure to assess where they are in the subject.

It exposes students to different ways questions could be phrased or formatted. With Grade 12 final examinations in mind, this is a great preparation tool.

Each topic that is covered, will be covered in the following year, and assists in the scaffolding of the next topic better. Students will get an overall picture of the financial world and why it helps you with basic financial skills.

Minimum requirement for Accounting:

- Core Mathematics in Grade 10
- Grade 9 Mathematics must be at 60%.
- Accounting in Grade 9 must be 60%.

Grade 10 content

- General ledger
- Accounting equation
- Ethics and VAT
- Salaries and wages
- Final accounts
- Financial statements

Grade 11 content

- Ethics and internal control
- Reconciliations (creditors and debtors)
- Fixed assets management
- Partnerships
- Inventory systems
- VAT
- Cost accounting (manufacturing)
- Budgets

Grade 12 content

- Companies
- GAAP, year-end procedures and final accounts
- Financial reporting
- Cash flow statements
- Analysis and interpretation of financial statements
- Audit reports
- Fixed assets
- Internal control and internal audit
- Inventory systems
- Reconciliations
- VAT
- Cost accounting

Valuable skills gained through Accounting:

- Business intelligence
- Time management
- Analytical skills
- Decision making
- Financial analysis
- Active listening
- Strategic thinking
- Communication
- Problem-solving
- Data-analysis
- Adaptability
- Creative thinking
- Reading



Business Studies

Business Studies teaches the knowledge, skills, attitude, and values critical for informed, productive, ethical and responsible participation in the formal and informal economic sectors. The subject encompasses the business principles, theory and practice that underpin the development of entrepreneurial initiatives, sustainable enterprises and economic growth.

Although theory based, the subject is presented in as practical a way as possible.

In class, students will be confronted with real life scenarios in the form of case studies – these will be solved both individually as well as in groups. Students will be given practical exercises to apply the theory learned. A perfect subject for students who see themselves entering the business environment after school.

Learning outcomes:

The student should be able to

- Analyse the impact of the environment on business practice.
- Explore business opportunities through business ventures.
- Fulfil a variety of business roles by using contemporary knowledge and skills.
- Perform business operations successfully by applying a range of management and specialised knowledge and skills.

Why you should consider taking Business Studies:

- If you are interested in the business environment and/or business ventures; how businesses operate and the role of business owners today.
- Students will acquire and apply essential business knowledge, skills, and principles to productively and profitably conduct business in changing business environments.
- Students can create business opportunities; creatively solve problems and take risks; apply basic leadership and management skills and principles. Students should be motivated, self-directed, and committed.

Olympiads:

Proverto National High School Olympiad

Excursion and enrichment:

Banango Traders facilitated by Johannesburg School of Finance
Media Review

Grade 10 - 12 Business Studies content:

- Business environments
- Business functions
- Corporate Social Responsibility
- Legislation
- Entrepreneurship
- Forms of ownership
- Business related information
- Investments and insurance
- Creative thinking and problem-solving
- Professionalism and ethics
- Teamwork and conflict management
- Performance management



Computer Applications Technology

Master technology, own the future!

In today's fast-paced digital world, being tech-savvy is no longer optional—it's essential. The subject of Computer Applications Technology is more than just learning how to use a computer; it's about mastering the digital tools that drive modern workplaces, industries, and everyday life. Whether you dream of becoming a business leader, an entrepreneur, or a creative professional, this subject gives you the practical technology skills you need to excel in any career.

What is Computer Applications Technology all about?

This subject bridges the gap between technology and real-world application. It teaches you how to use software and digital tools efficiently, effectively, and professionally. The curriculum is a combination of theory and hands-on learning, giving you practical experience with some of the most widely used technologies today.

Here are the five key areas covered:

- **Solution development:** Learn how to create professional documents, data-driven spreadsheets, databases, and websites. Master programs like Microsoft Word, Excel, Access, and HTML to build digital solutions that are used in business and industry.
- **Systems technologies:** Understand the hardware and software that make up a computer. Learn how to troubleshoot technical problems, optimise performance, and understand how different components work together.
- **Network technologies:** Explore how devices connect and communicate through networks such as Wi-Fi, LANs, and the Internet. Learn about cyber security, online safety, and how to protect digital information.
- **Internet technologies:** Gain the skills to navigate, communicate, and work in the digital world. Learn how to manage emails, use cloud storage, and understand the impact of e-commerce and digital communication.
- **Information management:** Learn how to find, analyse, organise, and present information effectively. Whether it's conducting research, creating reports, or managing data, you'll develop essential skills to work smartly and efficiently.

Why is Computer Applications Technology so important?

- Technology is everywhere: From business and healthcare to entertainment and education, every industry relies on technology. Knowing how to use computers effectively is a life skill that will benefit you in every career path.
- Boost your career prospects: Employers value candidates who know how to work with data, use digital tools, and communicate effectively online. This subject gives you a strong foundation to compete in today's job market.
- Develop problem-solving skills: Creating spreadsheets, managing networks, and troubleshooting computers require logical thinking and problem-solving — skills that are valuable in any profession.
- Prepare for the future: The world is rapidly evolving with artificial intelligence, automation, and digital transformation. With a strong foundation in Computer Applications Technology, you'll be ready for the careers of tomorrow.

Your future starts here!

This subject is not just about using computers—it's about becoming a confident, skilled professional in the digital age. Whether you want to start your own business, work in a corporate environment, or pursue a career in technology, these skills will set you up for success. Embrace technology today and unlock endless opportunities tomorrow!



Consumer Studies

Consumer Studies is a subject that focuses on developing educated, responsible consumers with a strong focus on sustainable consumption and entrepreneurship. Kingsmead College offers the food production option for the practical aspect of Consumer Studies; however, a sewing module is covered in Grade 10 for enrichment. Students leave the Consumer Studies classroom at the end of Grade 12 confident, educated, and sustainable consumers.

Subject content:

- Housing and interior
- Fibers & fabrics
- Food production
- Design elements & principles
- Clothing & fashion entrepreneurship

You should consider taking Consumer Studies if you are interested in:

- Food and nutrition: nutrients, dietary guidelines, food safety, meal planning, and deficiency disease.
- Fashion and clothing: fashion, fibres, and fabrics.
- Housing: types of ownership, contracts, estate agents, interior design, tax, inflation, and interest.
- Consumerism: consumer rights, and responsibilities.



Dramatic Arts



"Why should my child take Drama? They don't even want to be an actor"

As a Dramatic Arts teacher, I am often asked by parents "Why should my child take Drama? They don't even want to be an actor!" and THAT, in fact, is the misconception. Drama is so much more than standing on stage or in front of a camera. It provides students with a unique set of skills that can be applied to any walk of life and very often these same skills change their lives and perspective on things.

Students who engage in Drama and the dramatic arts develop a higher level of empathy and a heightened understanding of what others are thinking and feeling. This naturally nurtures emotional intelligence and allows for students to recognise beauty and have greater compassion. This, in turn, develops and enriches analytical thinking, and studies have shown that students involved in Drama coursework outscore their peers academically in areas such as English and Maths.

Drama, specifically the theatre, builds confidence and resilience like no other subject can. The mere act of walking on stage to perform in front of others is a skill. That initial bravery of walking onto stage then turns into

confidence and that confidence fosters a sense of identity and belonging for the student to thrive in all environments and situations.

"DON'T BE LATE FOR REHEARSAL!!" – or, as you and I might know it, self-discipline and commitment. These are traits that are valued in all walks of life and are necessary for success anywhere. Drama students must go above and beyond, and, like any intensive extra-curricular, regularly sacrifice evenings, weekends, and holidays. While schoolwork can be put off and completed later, being involved in the dramatic arts holds you accountable and consumes you for entire spells. This is reflected in the National Arts Education Partnership's findings that Drama students were 3 times more likely to win awards for school attendance, and that students in high-dropout areas that completed high school often cited Drama classes as their reason for staying in school.

Perhaps most obviously, it encourages creativity and problem-solving skills, and these are characteristics that the world is desperately in need of. CEOs and businesses are often looking for people to solve a problem in the most creative (or cost effective) way. Nothing could



better prepare them for that than the problems that a Drama student encounters daily. "Where are we going to get a telephone booth from?" "How do we build a set completely out of Rubik's cubes to symbolise the 80s?" or "How do we stage the themes of time and existentialism in Beckett's Waiting for Godot?"

Finally, passion. Just raw, unbridled passion. Students LOVE drama and theatre. You don't just "do" Drama; you live it, you breathe it, you become a part of it. I cannot adequately put into words what acting, directing and writing means to students but what I do know, is that they have something to say, and they desperately want you to listen.

Of course I am biased, I have to be! But I truly believe that those students who spend every free moment in my theatre rehearsing, or the one student who asks me to lend them a play to read over the weekend, or the students who ask me to organise a Q&A with the director and cast after a show, have something special about them. They offer something more than your "drama-less" student.

They offer... the X-factor. And this X-factor is what I think ties this decision together. It's an intangible quality that makes one person stand out from the crowd and allows them to shine brightest. Over and above all the tangible skills and proven benefits I've mentioned above, this uniqueness radiates out and is the way in which I see students changing the world.



French



Is your dream to become a diplomat, a journalist, deal with French companies in the business world or become a chef? Maybe you are considering joining Médecins Sans Frontières or working in the hospitality industry. Even if you just have a passion for la langue de Molière and want to study in France, you should consider French.

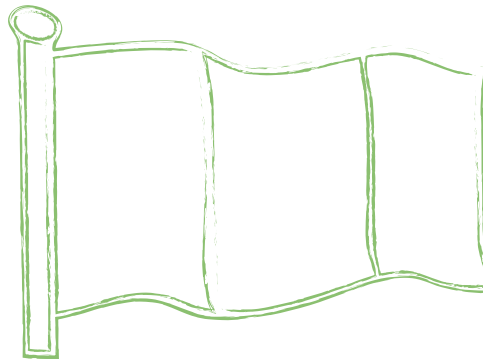
The cognitive-developmental advantages of learning additional languages are well documented. At Kingsmead, our French course comprises of an oral, aural and written component. The aim is for students to understand authentic French and to converse confidently on a variety of topics by the time they reach Grade 12. We use various textbooks, current articles, films, songs and online websites, to prepare the students not only for the oral and written examinations, but also for their continued interactions with French-speaking individuals - whether it be in their personal or professional lives. We also organise student exchanges with French schools.

We encourage all our students to partake in Levels A1, A2, B1 and B2 of the DELF (Diploma of French as a Foreign Language), written under the auspices of the Alliance

Française. This is an international benchmark examination, certifying that students can communicate on a specific level in French. It is very useful for university applications and an advantage on one's Curriculum Vitae.

More than 270 million people around the world speak French, and an ability to speak English and French opens many opportunities within the international job market.

For more information on Campus France, which opens doors to study in various French universities, please speak to your French teacher.



Geography



Keep it relevant, relatable and real!

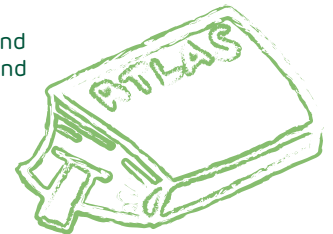
In Geography we learn to:

- Analyse and interpret data and different types of sources.
- Think creatively and independently.
- Integrate theory with real world examples.
- Understand man's interaction and impact on the environment.
- Develop environmental responsibility.
- Work with accuracy and precision.
- Write reports and essays.

Why do we study Geography

Geography is an exciting subject that opens the door to many career opportunities. If you're interested in the environment, cities, or how the world works, Geography can lead to careers in environmental science, urban planning, GIS (mapping technology), disaster management, climate research, tourism, and international business. It develops valuable skills like problem-solving, critical thinking, data analysis, and teamwork—skills that are useful in any career. Geography also helps you understand global issues like climate change and sustainability, making you a more informed and capable global citizen.

"It is impossible to understand history, international politics, the world economy, religions, philosophy, or 'patterns of culture' without taking geography into account." Kenneth C. Davis



Grade 10 - 12 Content

- **Climatology:** The study of atmospheric processes and weather patterns over time, including global and local climate systems.
- **Fluvial studies:** The study of river systems, their processes, landforms, and the impact of human activity on drainage basins.
- **Development studies:** The exploration of economic and social progress across regions, focusing on inequalities, development indicators, strategies for sustainable growth, trade, globalisation and foreign aid.
- **Economic geography:** The study of how economic activities such as agriculture, mining, industry, and trade are distributed and their impact on environments and societies in a South African context.
- **Geographical Information Systems (GIS):** A technology-based approach to collecting, analysing, and interpreting spatial data for decision-making and problem-solving.
- **Geomorphology:** The study of landforms and the natural processes, like mass wasting and plate tectonics, that shape the Earth's surface.
- **Population studies:** The investigation of population distribution, growth, structure, and movement, and how these influence development and the environment.
- **Resources and sustainability:** The analysis of natural resource use, environmental challenges, and strategies for managing resources responsibly for future generations.
- **Settlement studies:** The study of how and why people establish rural and urban settlements, their patterns, functions, and the challenges and planning of human habitation.
- **Water and resources:** The study of water as a vital natural resource, including its availability, use, management, and the sustainability of water and other natural resources.

Geography Olympiad

We participate in the South African National Geography Olympiad from Grades 8-12.



History

Why study History?

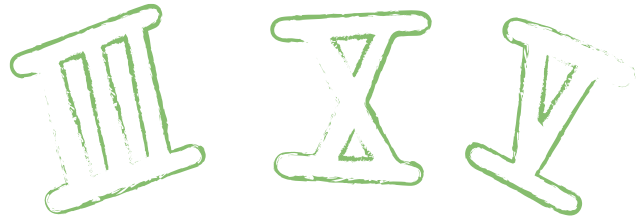
- History helps us to understand people and societies.
- History helps us understand change and how the society we live in came to be.
- The importance of History in our own lives.

In History we learn:

- How to analyse sources.
- How to construct discursive and source-based essays.
- To debate and discuss various topics.
- About current affairs and the world we live in.
- About the History of: South Africa, Africa, Europe, and the Americas.

You should study History as a subject if:

- You are interested in understanding the past and the future.
- You are interested in understanding the world as it is today, and as it might be in the future.



- You enjoy working with written, visual, and oral sources presented using different media.

You will need to be accomplished in the following areas to consider selecting the subject:

- Comprehension.
- Reading and writing.
- Vocabulary and style of writing.
- Visual literacy and analytical/interpretive skills.
- The ability to manage time, especially during exams and tests, is important.

A result of 60% in Grade 9 is recommended in History and English to consider History as a subject to Grade 12.



Information Technology

Why choose Information Technology (IT)?

In today's world, technology is everywhere, and understanding how it works is a valuable skill. Information Technology (IT) is about more than just using computers—it's about learning how to program, solve problems, and understand how digital systems function.

What will you learn?

IT focuses on problem-solving, logical thinking, and software development. The subject is built around key areas that will help you understand how computers process information and how to create efficient digital solutions.

- **Programming and software development**
Learn how to write code using Java, a widely used programming language. Develop programs that solve problems and automate tasks.
- **Data and information management**
Work with databases to store and retrieve data efficiently. Learn how data is used in businesses and technology systems.
- **Networking and the internet**
Understand how computers communicate, how the internet works, and how to protect digital information from security threats.
- **Fundamentals of hardware and software**
Develop logical reasoning and algorithmic thinking skills that help break down complex problems and find efficient solutions.
- **The role of IT in society**
Explore how technology impacts industries, workplaces, and everyday life, including artificial intelligence, automation, and digital ethics.

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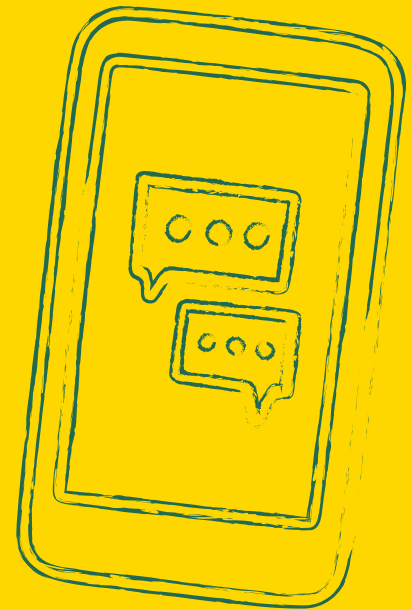
Why take IT?

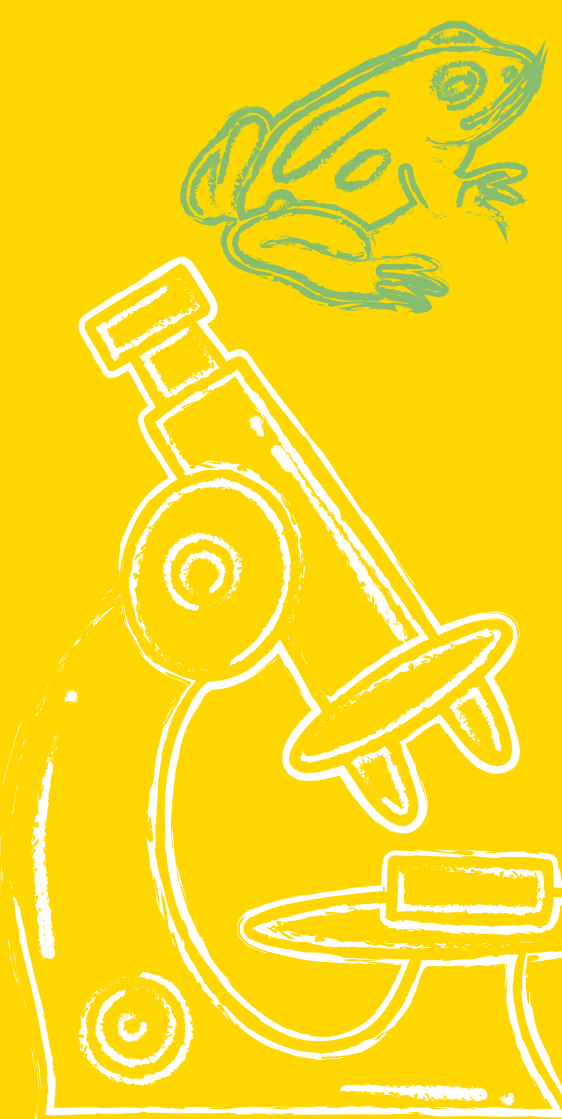
- **It develops critical thinking skills**
Programming and troubleshooting require logical reasoning and problem-solving, which are useful in many careers.
- **It helps you understand the technology shaping the world**
Knowing how software and networks work helps you navigate an increasingly digital world.
- **It's a practical subject**
IT involves hands-on learning, where you write code, build programs, and apply concepts to real-world problems.

Who should consider IT?

IT is a good choice if you enjoy solving problems, working with technology, and thinking logically. While it involves coding, it's more about learning how to think systematically and create solutions rather than just memorizing code.

If you're interested in software development, engineering, business, or technology-driven careers, IT provides a strong foundation for further studies and future job opportunities.





Life Sciences

Dive into the world of Life Sciences: discover, explore, and innovate

Are you fascinated by how life works, from the smallest cells to complex ecosystems? If so, Life Sciences promises an exciting journey packed with discovery and exploration. Here's a glimpse of what awaits you in this dynamic subject.

Unleash your curiosity with essential skills:

- **Scientific inquiry:** Develop the ability to ask insightful questions and design experiments to uncover nature's secrets.
- **Hands-on practical skills:** Engage in exciting practical work, including organ dissections, where you can explore the intricate structures of animal tissues and organs firsthand.
- **Scientific method:** Master the process of developing hypotheses, conducting experiments, and presenting your findings with clarity.
- **Critical thinking:** Enhance your ability to analyse and solve complex biological problems independently and in teams.

Explore the intricacies of life:

- **Structure and function:**
Discover what plants and animals are made of, from microscopic cells to sophisticated organ systems.
- **Metabolic processes:**
Delve into the biochemical reactions that power life in humans and plants.
- **Body systems:**
Understand how different systems work together to keep organisms alive and thriving.
- **Genetics and biotechnology:**
Explore the genetic blueprint of life and the exciting advancements in genetic engineering.
- **Ecology and environment:**
Learn about ecosystems and the vital interactions that sustain them.
- **Evolution:**
Investigate the theories of evolution, incredible fossil finds, and human evolution, especially in the Cradle of Humankind.





Music

Why Music?

- Explore the evolution of music, its role in history, and its significance in modern society.
- Music develops long-term, transferable skills such as research, reflection, creation, comparison, analysis, evaluation, questioning, critical thinking, and collaboration.
- Music is not only for the best performers or students who are considering a career in the Arts, but also a wonderful opportunity for any musician to broaden their knowledge and enrich their musical journey.
- Music as an academic subject can be a powerful differentiator on a resume, allowing you to stand out from other candidates applying for a tertiary institution, scholarship, or employment.
- Music students are known to be disciplined, hard-working people who are good at time management.

Requirements

- You should already play an instrument/take voice lessons and have obtained a practical level of Grade 2 by the end of Grade 9.
- Instruments include piano, voice, and all orchestral and contemporary instruments such as guitar, bass, and drum kit.
- A basic knowledge of Music Theory is an advantage. Ideally, Grade 2 should have been completed.

What can you look forward to?

- Further your instrumental or vocal skills.
- Learning to improvise and compose, using an exciting software programme.
- Study a wide range of styles and genres, such as jazz, music theatre, opera, South African urban music and many more.

Physical Sciences

- **Relevance to everyday life:**

Show students how Physical Sciences applies to daily life, from understanding how household appliances work to the principles behind weather patterns and technology.

- **Career opportunities:**

Highlight the diverse career paths that stem from studying Physical Sciences, such as engineering, medicine, environmental science, and technology.

- **Hands-on experiments:**

Engage students with practical experiments and demonstrations that make the concepts more tangible and exciting.

- **Real-world applications:**

Discuss how Physical Sciences contributes to solving global challenges, like renewable energy development, space exploration, and medical advancements.

- **Inspiring role models:**

Introduce students to scientists and innovators who have made significant contributions to the field, showing them the impact they can have.

- **Interactive learning:**

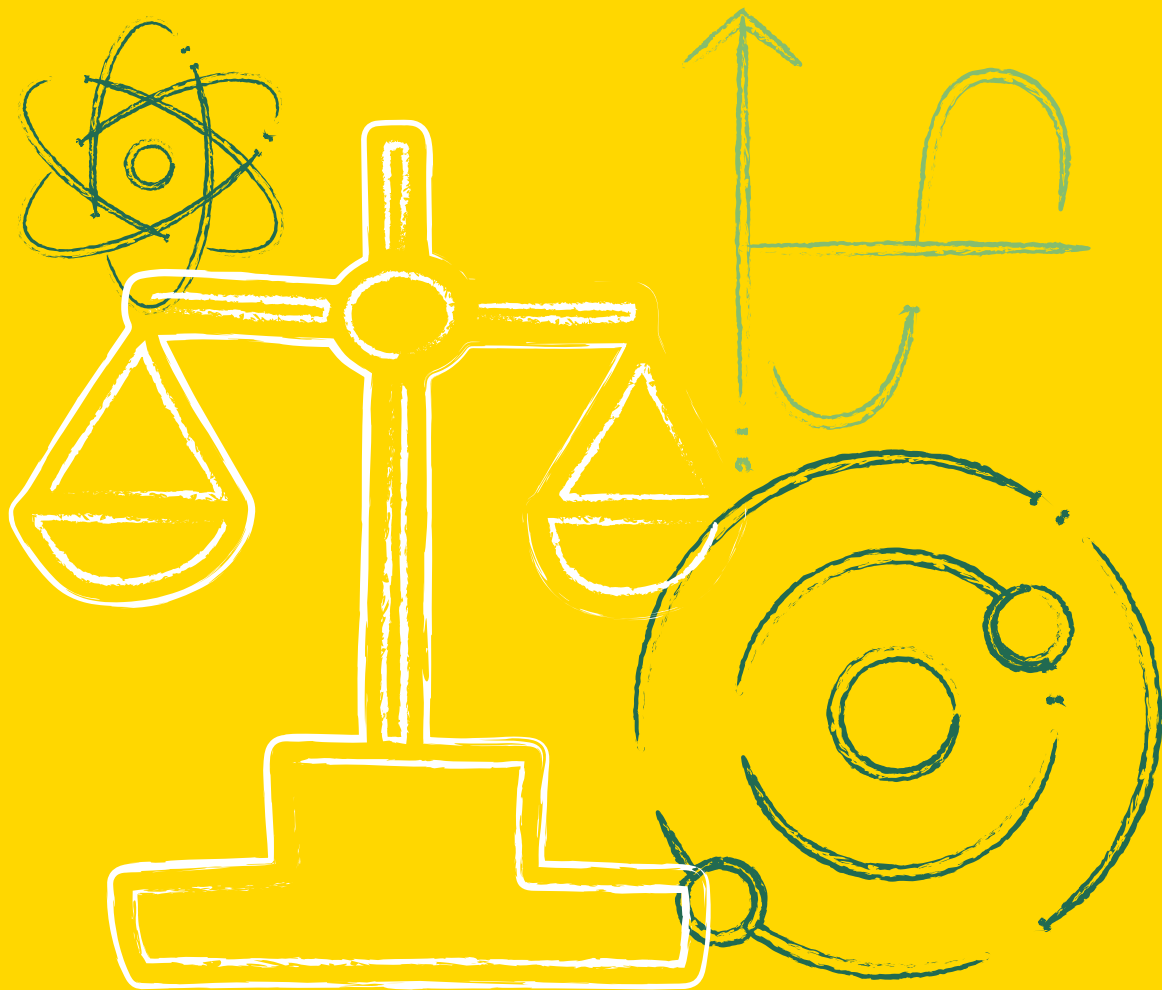
Utilise technology and interactive tools to create a dynamic learning environment. Virtual labs, simulations, and multimedia resources can make learning more engaging.

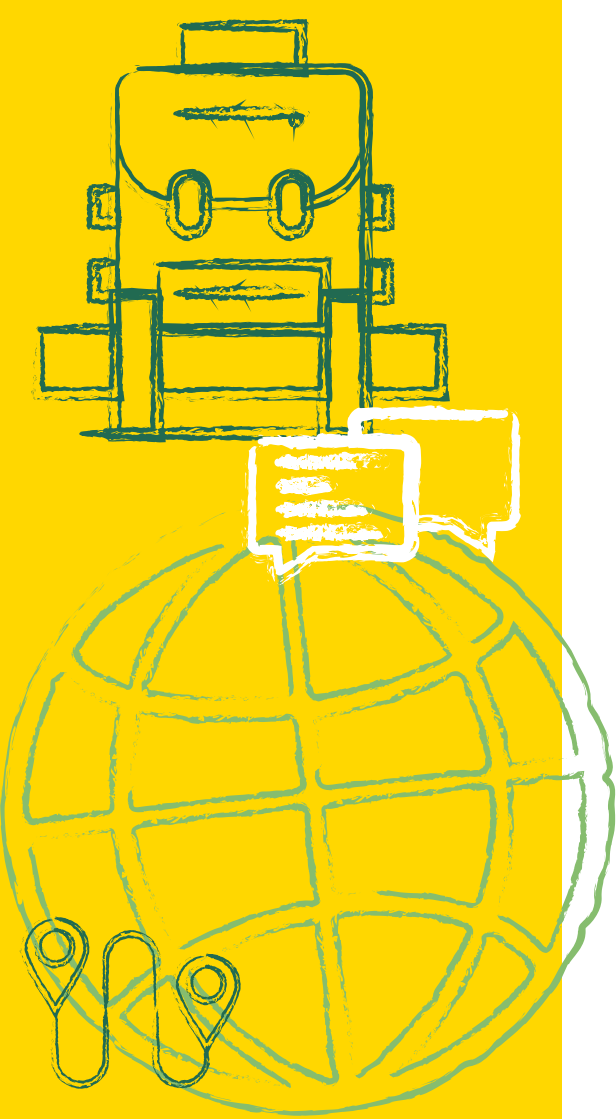
- **Problem-solving skills:**

Emphasise the problem-solving and critical thinking skills that students develop through studying Physical Science, which are valuable in any field.

To qualify for Physical Sciences in Grade 10, students must meet the following criteria:

- Achieve at least 60% in Mathematics by the end of Grade 9.
- Take Mathematics instead of Mathematical Literacy, as per IEB guidelines.
- Maintain a minimum of 55% in Mathematics during the FET phase to continue with Physical Sciences.
- Attain at least 65% in the Physical Sciences section of their Natural Science in Grade 9.





Tourism

Tourism is an exciting and dynamic subject that explores the travel and tourism industry, both locally and globally. This subject equips students with valuable skills in customer service, marketing, tour planning, and sustainable tourism, preparing them for careers in one of the fastest-growing industries worldwide.

Why choose Tourism?

- Develop essential life and business skills, including problem-solving and customer service.
- Explore the world of travel, culture, and heritage.
- Gain insights into career opportunities in a growing industry.
- Apply knowledge in practical projects, industry-related tasks, and field trips.

If you enjoy discovering new destinations, engaging with different cultures, and working with people, Tourism is an excellent choice. This subject teaches adaptability, creativity, and industry-relevant skills, opening doors to exciting career opportunities in travel, hospitality, and beyond.

Grade 10 content:

- Introduction to tourism: domestic, regional, and international tourism
- Tourism sectors: accommodation, transport, travel services, and attractions
- Tourism attractions: world-famous sites and South African tourism hotspots
- Sustainable and responsible tourism: environmental and social responsibility
- Map work and tour planning: world time zones, travel documentation, and health and safety
- Communication and customer care in the tourism industry

Grade 11 content:

- Advanced tour planning: transport services, visas, and health precautions
- Marketing in tourism: advertising, branding, and customer engagement
- Tourism and the economy: the impact of exchange rates and global events
- Domestic tourism and the South African tourism market
- Entrepreneurship in tourism: identifying business opportunities
- Responsible tourism: sustainability and ethical tourism practices

Grade 12 content:

- Global tourism trends and the impact of current affairs
- Professional image and service excellence in tourism
- Foreign exchange and its role in travel and tourism
- The role of technology in tourism
- Multidisciplinary teamwork and communication skills
- Practical research and project-based assessments



Visual Arts

Studying Visual Arts from Grade 10 to 12 offers numerous benefits and opportunities for students. Here are some compelling reasons to consider:

- Visual Arts provides a platform for students to express their emotions, ideas, and individuality through various artistic mediums. It encourages creativity and innovation. You'll learn various techniques and methods across different mediums such as drawing, painting, sculpture, and digital arts. This includes mastering specific tools and materials.
- Students develop the ability to analyse and interpret visual information, enhancing their understanding of art, culture, and the world around them. This skill is increasingly valuable in our visually-driven society.
- The subject fosters critical thinking by encouraging students to evaluate artworks, question artistic intentions, and understand historical and cultural contexts.
- Through the study of diverse art movements and artists, including South African and international figures, students gain a deeper appreciation and understanding of different cultures and historical periods.
- Engaging in research-driven art projects helps students to

develop strong research skills, which are applicable across various academic disciplines. You'll develop the ability to conceptualise and create artworks that communicate ideas and emotions, balancing both form and content.

- Planning and executing art projects require effective time management and organisational skills
- Visual Arts enhances students' ability to communicate effectively about artworks, both orally and in writing, using appropriate art terminology.
- The subject can lead to various career paths, including graphic design, fine arts, animation, architecture, and art education, among others. The priority is to foster creative thinking in our students to better equip them for the AI revolution.
- Art education encourages self-reflection and personal growth, helping students build confidence and resilience.

Visual Arts as a subject links well to subjects such as History, Literature, and Information Technology, which provide a comprehensive educational experience. Skills such as creativity and adaptability are crucial in a rapidly changing world.



FURTHER STUDIES SUBJECTS

01	Further Studies English	46
02	Further Studies Mathematics	47
03	Further Studies Physics	48
04	Further Studies Chemistry	50



Further Studies English

This subject extends and challenges students beyond the core English Home Language curriculum. It is an exciting opportunity to engage with literature and film at an advanced level and to explore texts through workshops, tutorials, and discussions.

Further Studies English is recognised as being comparable with A-level equivalent subjects. It focuses on philosophical reflection, thematic exploration through chosen texts and the analysis of selected poetry.

This course is offered over three years at Kingsmead College: from Grade 10 to Grade 12. The expectation is that students participate in tutorials for a minimum of one hour per week as an extra subject.

Students who choose to do FS English should be self-motivated critical thinkers who are creative and who possess a genuine love of the language. They will be required to use high order thinking skills in their engagement with a range of stimulating and challenging texts. At the same time, we encourage the students to develop their own voice when critiquing texts.

The aim of this course is to deepen the students' appreciation for the language and to equip them with the skills to confront texts with a heightened awareness as well as to prepare them for the demands of tertiary study in any field. Additionally, this course usually improves the students' ability and performance in Core English.

You should consider taking Further Studies English as an 8th subject if:

- Your English Home Language mark is over 70%
- You possess a love of the English language and reading
- You are a critical thinker who enjoys confronting issues in texts
- You can make meaningful connections between different texts



Further Studies Mathematics

The Further Studies Mathematics (FS Maths) curriculum extends and enhances our students' knowledge of Mathematics, sharpens their problem-solving ability and greatly facilitates the transition to the demands of university, whether in South Africa or overseas.

Further Studies Mathematics is ONLY offered as an eighth subject. As one of the main aims of the course is to develop intellectual and academic independence, there are no extra lessons offered for FS Maths; instead, assistance is offered in typical university type tutorial sessions where students make appointments with their teacher to discuss difficulties they are experiencing.

Further Studies Mathematics is divided into two courses; standard and extended. The standard course covers algebra, calculus, and applications of calculus. The extended course includes all the topics of the standard course as well as statistics and probability. Students will only differentiate between the two courses in Grade 12.

The Further Studies Mathematics course is designed to challenge talented Mathematics students. This is a very demanding and interesting course, and students must have excellent self-discipline to cope with the workload.

Lessons are normally held after school hours and could be at an extra cost. This changes every year according to the requirements of the official timetable and students.

You can choose Further Studies Mathematics as an eighth subject if:

- Your Mathematics result at the end of Grade 9 is 70% or higher.
- You are passionate about Mathematics.
- You are tenacious and have a lot of self-discipline.
- You are very interested in problem-solving.
- You are a lateral out of the box thinker.

$$y = ax + b$$

$$y = 2x, b = ?$$

$$b = 0 \begin{array}{c|c|c|c} x & 0 & 3 & \\ \hline y & 0 & 6 & \end{array}$$

$$9x^2 + 3x - 2 > 0$$



Further Studies Physics

Physics - the study of matter, energy and their interactions - is an international enterprise, which plays a key role in the future progress of humankind.

The support of Physics education and research in all countries is important because:

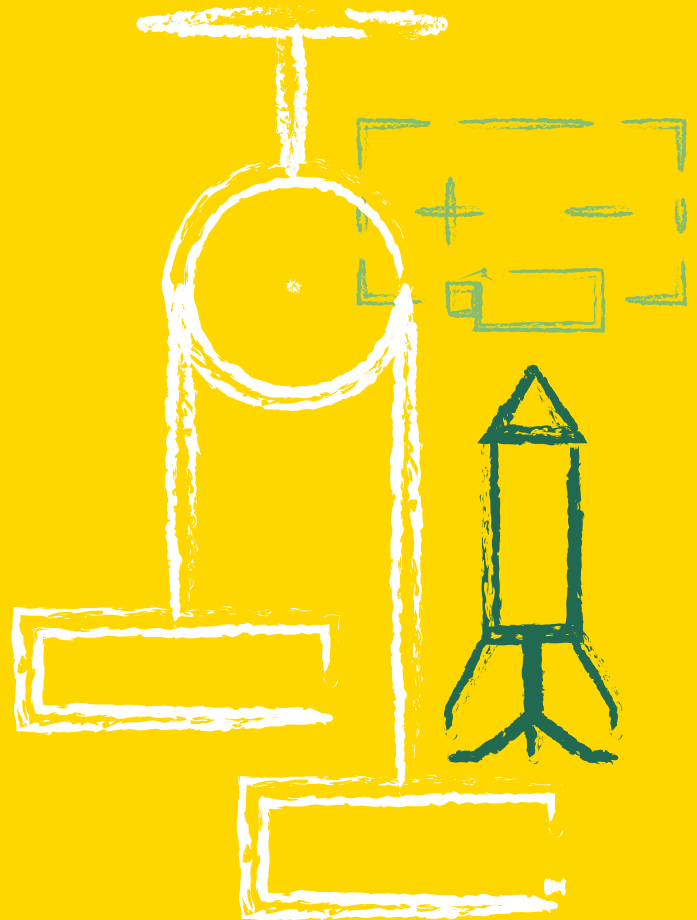
- Physics is an exciting intellectual adventure that inspires young people and expands the frontiers of our knowledge about nature.
- Physics generates fundamental knowledge needed for the future scientific advances that will continue to drive the economic engines of the world.
- Physics contributes to technological infrastructure and provides the trained personnel needed to take advantage of technical advances and discoveries.

The FS Physics programme was first proposed by the IEB to the scientific community at the beginning of 2018. Despite some logistical issues, the need for such a programme in South Africa was clearly identified. The IEB hopes to give its Physical Science students a better chance of being accepted at international universities with the FS Physics programme which is closely aligned to the A-Levels in the United Kingdom. The curriculum extends beyond that of the national Physical Science syllabus so that topics covered internationally are included. The challenging nature of the subject must be noted and certain prerequisites must be met.

There are several benefits for the FS Physics student:

- Improved chances of being accepted into international universities
- Greater chance of passing first year of tertiary education
- Development of critical thinking and problem-solving ability
- Further development and inspiration in the scientific field.

To be eligible for Further Studies Physics, students must achieve over 75% in Mathematics and Physical Sciences. FS Physics is a two-year course and starts in Term 1 of Grade 11. Students must be able to commit to attending all classes (2 hours per week).



Further Studies Chemistry

Chemistry is often described as the “Central Science” because it connects and intersects with various other disciplines such as Biology, Physics, Environmental Science, and even Engineering.

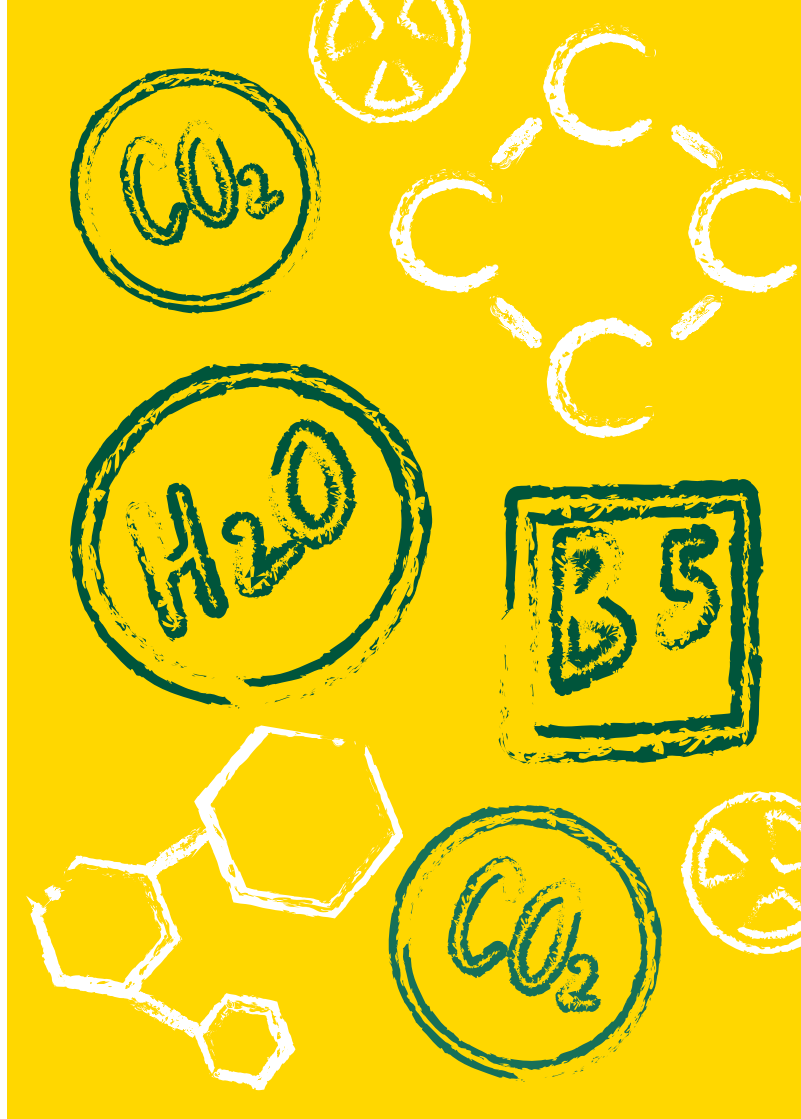
Several reasons why students should consider pursuing Further Studies Chemistry:

- **Understanding the world:** Chemistry provides a deeper understanding of the world around us. It explains the composition, structure, and properties of matter, from the tiniest atoms to complex chemical compounds. This knowledge allows students to comprehend the substances they encounter daily; from the food they eat to the medicines they take.
- **Problem-solving skills:** By studying Chemistry, students develop analytical and critical thinking skills essential for problem-solving. They learn to formulate hypotheses, design experiments, and interpret results, fostering a scientific mindset that is valuable across various professions.
- **Innovation and discovery:** Chemistry drives innovation and discovery in fields such as medicine, energy, and materials science. Through further studies in Chemistry, students can contribute to ground-breaking research and advancements that address global challenges like climate change and healthcare.
- **Career opportunities:** A background in Chemistry opens doors to diverse career opportunities. Whether it's working in pharmaceuticals, environmental protection, forensic science, or research and development, the skills gained from studying Chemistry are highly sought after in the job market.
- **Global relevance:** Chemistry provides insights into environmental issues, sustainable development, and the impact of human activity on the planet. By studying Chemistry, students can become informed global citizens capable of addressing pressing environmental and societal challenges.

The benefits of Further Studies Chemistry:

- **Enhanced problem-solving skills:** Further Studies Chemistry challenges students to tackle complex problems, honing their problem-solving abilities and logical reasoning.
- **Preparation for higher education:** For students aspiring to pursue higher education in science, engineering, or medicine, Further Studies Chemistry provides a solid foundation. It prepares them for the rigours of university-level coursework and research.
- **Laboratory experience:** Further Studies Chemistry involves extensive laboratory work, allowing students to gain hands-on experience in experimental techniques and chemical analysis. This practical exposure is invaluable for future scientific pursuits.
- **Critical thinking and creativity:** Advanced Chemistry encourages critical thinking and creativity. Students are often tasked with designing their experiments, fostering independence and innovation.

To be eligible for Further Studies Chemistry, students must achieve over 75% in Mathematics and Physical Sciences. FS Chemistry is a two-year course and starts in Term 1 of Grade 11. Students must be able to commit to attending all classes (2 hours per week).



01 CORE SUBJECTS

English Home Language

Afrikaans

isiZulu

Sesotho

Life Orientation

Mathematics

Mathematical Literacy

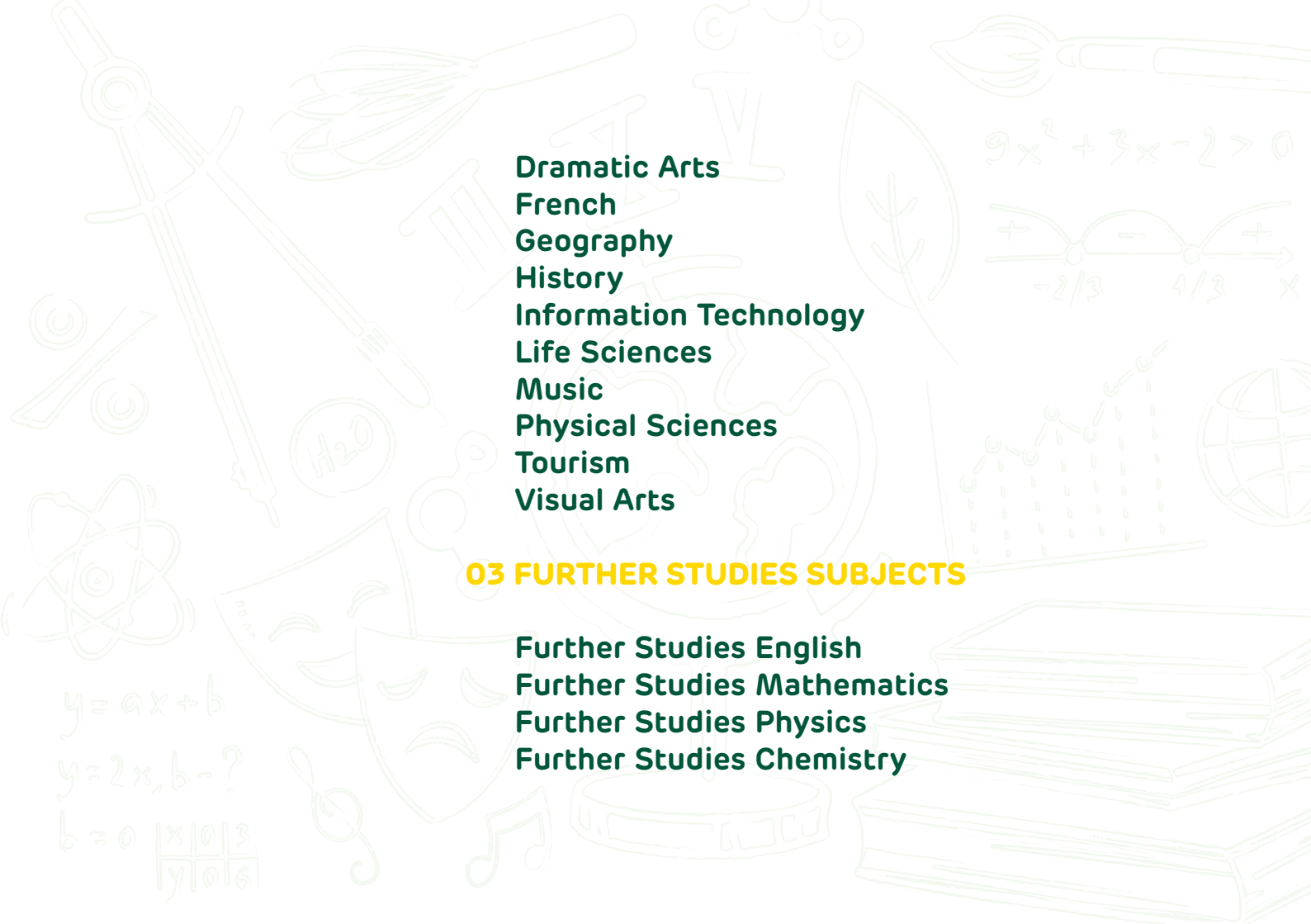
02 ELECTIVE SUBJECTS

Accounting

Business Studies

Computer Applications Technology

Consumer Studies



**Dramatic Arts
French
Geography
History
Information Technology
Life Sciences
Music
Physical Sciences
Tourism
Visual Arts**

03 FURTHER STUDIES SUBJECTS

**Further Studies English
Further Studies Mathematics
Further Studies Physics
Further Studies Chemistry**

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