

Subjects

Innovative, quality driven online school
for learners in Grade R-12

brainline.com

subjects

Subject Choices

To qualify for a National Senior Certificate, a learner should complete 7 subjects:

- ➔ one Home Language,
- ➔ an Additional Language,
- ➔ Mathematics or Mathematical Literacy,
- ➔ Life Orientation,
- ➔ and a minimum of 3 NSC approved subjects.

English or Afrikaans HL and English or Afrikaans FAL



SUBJECT TOPICS

- Reading skills and comprehension
- Visual comprehension
- Vocabulary development
- Communication and listening skills
- Analysis of poetry and prose
- Creative and critical writing skills

REQUIREMENTS

- Taking a Home Language (HL) is compulsory.
- Minimum of 40% is required for promotion.
- Taking a First Additional Language (FAL) is compulsory.
- Minimum of 30% is required for promotion.

CAREER OPPORTUNITIES

Journalist, Copywriter, Writer, Announcer, Programme Presenter, Editor

Mathematical Literacy

SUBJECT TOPICS

Basic Skills:

- Interpreting and communicating answers and calculations
- Numbers and calculations
- Patterns, relationships and representations

Application Skills:

- Finance and measurement
- Maps, plans and other representations of the physical world
- Data handling and probability



REQUIREMENTS

Compulsory if Mathematics is not taken.

CAREER OPPORTUNITIES

Some tertiary fields of study may require Mathematics.

Mathematics



SUBJECT TOPICS

Paper 1:

- Sequences and Series
- Inverse Functions
- Financial Mathematics
- Algebra
- Differential Calculus
- Fundamental Counting
- Principle and Probability

Paper 2:

- Trigonometry
- Analytical Geometry
- Euclidian Geometry
- Statistics

REQUIREMENTS

To take Mathematics from Grade 10 onwards, an average of at least 60% in Grade 9 is recommended.

CAREER OPPORTUNITIES

Finance and Commerce, Teaching and Research, Engineering and Construction, Information Technology, Medical and Health Sciences

Physical Sciences



SUBJECT TOPICS

Physics:

- Kinematics (Motion), Forces, Electrostatics, Electric Circuits, Electrodynamics, Waves

Chemistry:

- Atomic Structure, Chemical Bonding and Reactions, Chemical Reaction Dynamics
- Electrochemistry, Organic Chemistry, Quantitative Chemistry

Practical assessments:

- Scientific investigations using computer simulations – no scientific equipment required.

REQUIREMENTS

- Mathematics is compulsory
- Analytic thinking skills and an enquiring mind

CAREER OPPORTUNITIES

Scientist, Physicist, Chemist, Forensic Scientist, Technologist, Technician, Medical careers

Life Sciences



SUBJECT TOPICS

- Life at molecular, cellular and tissue level
- Diversity and change
- Environmental studies
- Life processes in animals and plants
- Gr 10 and 11: Scientific investigations using basic utensils and homeware
- Gr 12: Compulsory 3-day practical workshop

REQUIREMENTS

- Good language and communication skills
- Good problem-solving skills
- Analytic thinking skills
- Enquiring mind, detail oriented

CAREER OPPORTUNITIES

Biologist, Veterinary Surgeon, Conservationist, Microbiologist, Medical careers

Agricultural Sciences



SUBJECT TOPICS

- Soil Science
- Utilising sustainable natural resources
- Plant Science, Animal Science
- Genetics
- Agricultural Chemistry
- Agro-ecology, Agricultural Economics

REQUIREMENTS

- Good problem-solving and analytic skills
- Interest in agriculture and environment
- Good communication skills
- Understanding of business principles
- Taking Life Sciences is advantageous

CAREER OPPORTUNITIES

Agricultural Scientist, Animal Scientist, Soil Scientist, Horticulturist, Farmer

Equine Studies



SUBJECT TOPICS

- Anatomy
- Physiology
- Nutrition
- Handling
- Stabling and Transport
- Practical Riding Skills

REQUIREMENTS

- Access to a horse on which to compete
- Required horse riding equipment
- Regular riding lessons
- Compete in at least 4 competitions:
 - Grade 11: Novice level
 - Grade 12: Above novice level
- Level 1 SANIP instructor for practical tasks

CAREER OPPORTUNITIES

Equine Veterinarian, Equine Veterinary Technician, Riding Instructor, Farrier, Jockey, Groom, Equine Dental Technician, Horse Breeder

Life Orientation



SUBJECT TOPICS

- Developing life skills
- Learning about social and environmental responsibility
- Democracy and human rights
- Researching career choices
- Study skills
- 10 hours community service
- Skills courses (external)

REQUIREMENTS

- Physical activities may be required.
- Continuous Assessment Tasks and External Certification Tasks in place of a final examination in Grade 12.
- Submitting and passing all assessments is a prerequisite for passing Grade 12.

Geography



SUBJECT TOPICS

- Physical Geography: The natural world around us
- Human Geography: The built-up world around us
- Economic Geography: The spatial representation of money around us

REQUIREMENTS

- Logical thinking skills
- Enquiring mind
- Keen interest in the world around you

CAREER OPPORTUNITIES

Meteorology, Geology, Eco-tourism, Soil Analysis, Environmental Conservation, Demography, Real Estate Analysis, Urban and Regional Planning

History



SUBJECT TOPICS

A detailed study of topics such as:

- Apartheid
- The Cold War
- Independent Africa

REQUIREMENTS

- Good creative and critical writing skills
- Textual and visual analytic ability
- Interest in historical research

CAREER OPPORTUNITIES

Journalism and Tourism, Diplomatic careers, Research, Political Sciences



our Vision

To be a leading innovative, quality-driven, compliant curriculum provider.

our Mission

Brainline aims to provide a valid, reliable, consistent, diverse and uninterrupted online education to learners in Grade R - 12.

Business Studies



SUBJECT TOPICS

- Business Sectors
- Entrepreneurship
- Business Plans

REQUIREMENTS

- Creative minds
- Problem-solving
- Good human relationships

CAREER OPPORTUNITIES

Corporate Entrepreneur, Marketing Manager, Labour Relations Consultant, Logistics Manager

Accounting



SUBJECT TOPICS

- Accounting Concepts
- Accounting Equation
- Financial Statements
- Reconciliations
- VAT
- Cost Accounting
- Budgeting

REQUIREMENTS

- Passionate about numbers
- Innovative problem-solving
- Critical thinking and creative leadership

CAREER OPPORTUNITIES

Chartered Accountant, Accountant, Financial Manager, Forensic Specialist, External/Internal Auditor, Tax Professional, Investment Professional, Business Analyst



Accreditation

Brainline's recognition with the Umalusi-accredited IEB assures you of quality assessment in accordance with policy. This means that you can trust Brainline to assist you on your journey as you work towards your fully accredited National Senior Certificate.

Tourism

SUBJECT TOPICS

- Tour Planning
- Foreign Exchange
- Marketing
- Customer Care
- Entrepreneurship

REQUIREMENTS

- Adventurous
- Good verbal skills
- Computer literate



CAREER OPPORTUNITIES

Tourist Guide, Travel Agent, Flight Attendant

Consumer Studies

SUBJECT TOPICS

- Entrepreneurship
- The Consumer
- Food and Nutrition
- Housing and Furnishings

REQUIREMENTS

- Creativity and flair
- Passion for health and style
- Organisational skills



CAREER OPPORTUNITIES

Chef, Dietician, Clothing and Interior Designer

Computer Applications Technology



SUBJECT TOPICS

- Microsoft Office Applications
- Hardware, Networks
- Solution Development, Internet Technology
- Communication Media, Social Implications
- Microsoft Office Applications
- HTML (Webpage/Site Design)

REQUIREMENTS

- Laptop
- MS Office 365 including MS Access
- Microsoft Windows 10/Mac OS X
- Compulsory final Gr 12 IEB Practical Examination at a dedicated Brainline centre

CAREER OPPORTUNITIES

Fundamental computer skills enable enhanced productivity in all careers and fields of study.

Engineering Graphics and Design (EGD)



SUBJECT TOPICS

- Graphic communication using drawing instruments and computer-based tools.
- Concepts within Mechanical, Civil and Electrical Technology.
- Instrument and freehand drawing techniques.
- Solving technological problems in creative ways through graphic drawings.

REQUIREMENTS

- Drawing Instruments, CAD programme, printer and scanner
- Logical thinking skills and 3D visualisation

CAREER OPPORTUNITIES

Architecture, Engineering, Artisans, Quantity Surveying, City Planning, Land Surveying

BRAINLINE IS ...

- ✓ COMPLIANT
- ✓ IEB-RECOGNISED
- ✓ TRUSTED
- ✓ CONSISTENT
- ✓ ACCESSIBLE
- ✓ INNOVATIVE

A proud history of 35+ years

“This is not just a day job for us, this is a family legacy for the next generation. We are all entrenched in the daily operations of the company to ensure that we offer our clients the best service possible.”

Coleen Cronje, CEO

Dramatic Arts



SUBJECT TOPICS

Theory:

- The history and development of theatre
- Play texts in context
- Theory of performance

Practical:

- Voice development and techniques
- Movement

Practical Assessment:

- Grade 10 and 11: Online
- Grade 12: Compulsory workshop

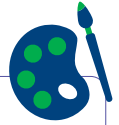
REQUIREMENTS

Innovative, creative, and spontaneous

CAREER OPPORTUNITIES

Performer, Director, Playwright, Theatre Stage Manager, Lighting Designer, Events Manager

Visual Arts



SUBJECT TOPICS

- Theory and practical creation tasks in various Visual Arts disciplines.
- Exploring and reflecting on social issues, past and present, in visual creations.
- Introduction to new ideas, materials, processes and technologies.
- Visual literacy.

REQUIREMENTS

- Artistic ability
- Curious, imaginative, critical thinker
- A time-consuming subject
- A qualified private art tutor is advantageous

CAREER OPPORTUNITIES

Professional Artist, Illustrator, Photographer, Graphic Designer, Artistic Director, Curator

Music



SUBJECT TOPICS

- Music performance and improvisation
 - Solo and ensemble performance
 - Skills in improvisation
- Music theory and notation
- Composition, harmony and music literacy
- General music knowledge and analysis
 - Form, structure, history and music genres

REQUIREMENTS

- Private music tuition.
 - Relevant external practical music exams at own cost.
- Entry into Grade 10 requires Grade 3 Practical and Grade 2/3 Music Theory.

CAREER OPPORTUNITIES

Musician, Sound and Recording Engineer, Tourism



ASSESSMENT
A S P E C T S

Valid Assessment

Brainline's assessment division focusses on quality and compliant assessment. It manages a team of subject specialists who set, mark and moderate assessment items.

OUR PRODUCT OFFERING

Brainline offers unique online programmes that suit the needs of parents with children of all ages who wish to work towards a National Senior Certificate through online education.

Grade 1-3

Edu-123-Go! for Grade 1-3 empowers you as parent/guardian to take control of your child's most precious developmental years in the comfort of your own home.

Grade 12 IEB NSC

Grade 12: This is your home stretch towards your ultimate FET goal – an Umalusi accredited NSC! Dynamic additional support and a compliant assessment a programme empowers a student with the skills required to advance to the NSC.

Gr 8-12 COMPREHENSIVE

Gr 8-12: Provides you with the opportunity to control how, when and where your child studies as well as access to unique resources that you need to provide your child the best learning experience and additional support through this IEB-compliant assessment programme.

Gr 4-7 COMPREHENSIVE

Gr 4-7: The opportunity to control how, when and where your child studies, and allows access to all the resources you need to provide your child with the best learning experience and compliant assessment programme.

EXPRESS

Gr 4-11: Allows you to choose and source study material for your child, and provides an assessment portfolio that your child can complete at his/her own pace.

COMPACT

Adults 18+: BrainlineCOMPACT is an exclusive Brainline interwoven Grade 10 and 11 curriculum that delivers core content in one academic year accommodating time constraints, preparing a student for Grade 12 at Brainline in the following year.

Single Subjects

Gr 10-12: Students can choose from our extensive subject offering to complement or upgrade their academic portfolios. Dynamic support and a compliant assessment programme empowers them with the skills required to advance to the NSC.