



JB Education

WE MAKE THE DIFFERENCE

EXERCISE 1

Sketch the graphs of the following functions, showing the axes.

(a)

$$y = 3x^2 - 3$$

(d)

$$y = 3^{x-1}$$

(g)

$$y = \frac{4}{x} + 2$$

(j)

$$y = -2(x-2)^2$$

(m)

$$y = 2$$

(b)

$$y = (x+2)^2$$

(e)

$$y = \left(\frac{1}{2}\right)^x - 1$$

(h)

$$y = 2x^2 + 1$$

(k)

$$y = 2x - 4$$

STANDARD FORMS OF THE DIFFERENT TYPES OF FUNCTIONS

All three transformations (a, p and q) may occur together in the same function.

$$y = a \cdot M(x + p) + q$$

- $y = a(x + p)^2 + q$
- $y = \frac{a}{x + p} + q$
- $y = a \cdot 2^{x + p} + q$

COMPANY PROFILE >



WE ARE TRULY:

“A company
dedicated to
South African
education”

ABOUT JB EDUCATION

Jurgens Basson is an innovative Educational Consultant with broad-ranging track records in Mathematics; Educational Initiatives; Business Development and Project Management. He is a committed, accountable and ethical individual, a strategic and analytical thinker.

He started his career as a Mathematics teacher and then became a Mathematics lecturer at the University of Johannesburg. While at the University of Johannesburg he established the UJ/Oracle Saturday School of Mathematics initiative in 2003. This initiative was aimed at previously disadvantaged learners from Soweto with a sponsorship from Oracle SA.

During his career he has had the opportunity to train more than 20 000 teachers and more than a 100 000 learners throughout South Africa.

Jurgens and his team at JB Education make a positive difference in the community by aiming to alleviate poverty and unemployment through educational interventions.

We are committed to ensure that more learners qualify for learnerships and obtain university exemption.

He is rated as the best Mathematics Consultant in South Africa because of his unique ability to train teachers in Mathematics at primary, secondary and tertiary level.

He has the ability to empower learners to achieve better results and is used by all the different Departments of Education and many schools to train Mathematics teachers and learners in English and Afrikaans.

He is also the founder and owner of The Maths Centre, an additional tuition centre where learners receive assistance in Mathematics, Physical Science and Accounting from qualified tutors. The Maths Centre has been successfully assisting learners to improve their results for the past 30 years.



DIRECTORS

{PAGE 1 OF 2}

JURGENS BASSON

CEO



QUALIFICATIONS

B.Sc (Mathematics and Psychology) and further Diploma in Education

WORK EXPERIENCE

- Serving as the CEO of JB Education - 12 years
 - Mathematics Lecturer at University of Johannesburg for 8 years
 - Co-Author of the "Mind Action Series Mathematics" Textbooks
-

DAVID NGUBANE

COO



QUALIFICATIONS

Degree in Mining Eng. Post Graduate in Business Management B-Tech Certificate in Project Management

WORK EXPERIENCE

- 21 years in the Mining Industry of that 4 years as a Mine General manager and 2 Years as a Mining COO
 - Serving as a Director at Oretsetse Investments
 - Managing Director at Makhamisa Extreme Force
 - Chairman/Founder – Kaleb Capital
-

DIRECTORS

{ PAGE 2 OF 2 }

NOLAN ANTONIE

Marketing Director



QUALIFICATIONS

- Project Management
- Fitter & Turner

WORK EXPERIENCE

- 30 years in the Mining Engineering Industry of that 7 years as Project Lead
 - Serving as a Director at Mihandzu Holdings Pty Ltd
-

JURGEN BASSON

Managing Director



QUALIFICATIONS

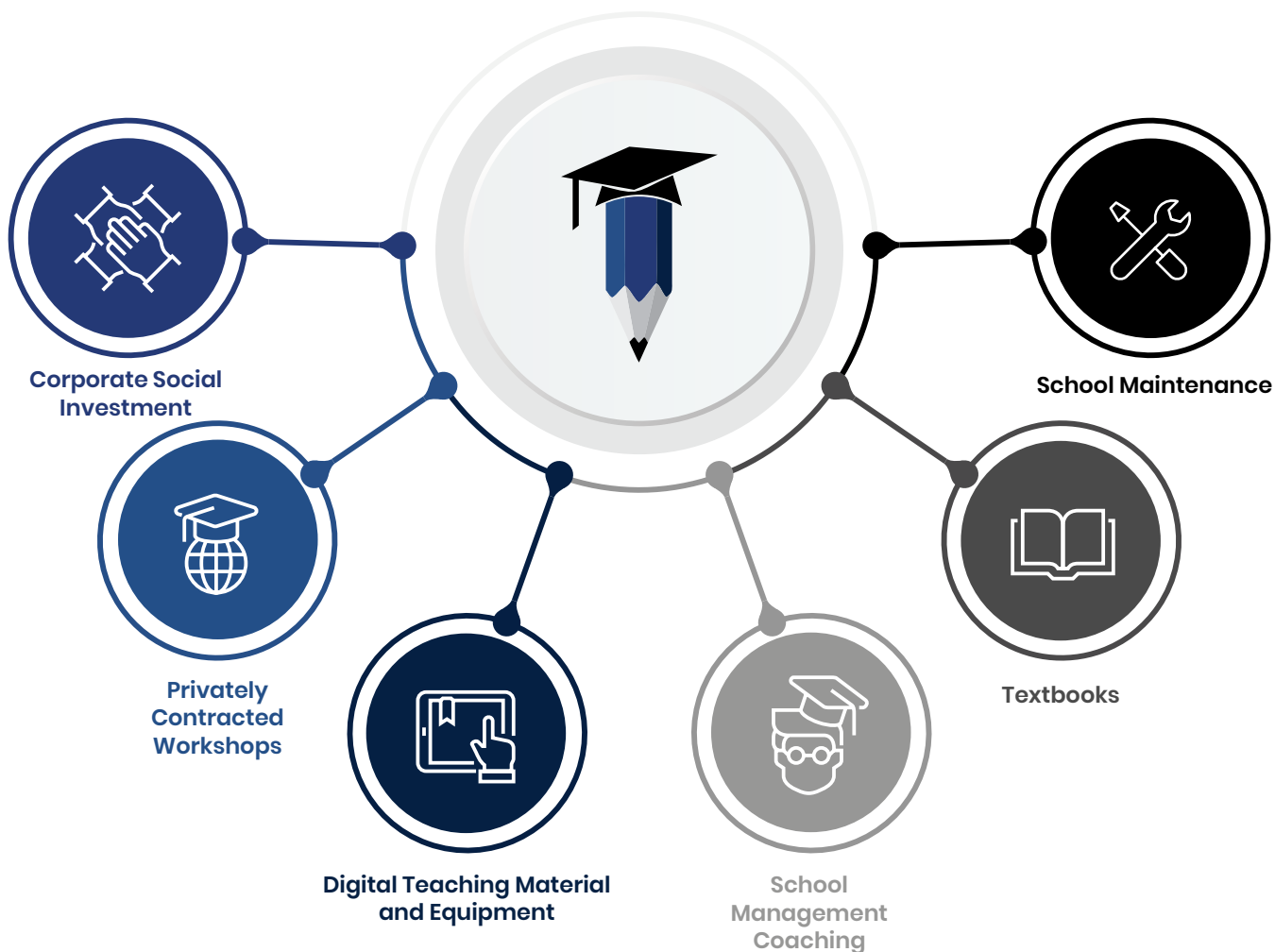
- Coaching for Development – University of Cape Town, Centre for Coaching
- Project Management

WORK EXPERIENCE

- Director at Divine ICT Placements Pty Ltd – 10 Years
 - Project Manager at QBIT Group – 1 Year
 - Co-Owner at The Maths Centre – 6 Years
 - Director at JB Education – 3 Years
-

OUR SERVICES

CLICK ON THE LINKS BELOW FOR MORE INFORMATION



[< Back to Services](#)

OUR SERVICES

CORPORATE SOCIAL INVESTMENT



Jurgens' passion for community work, education, Mathematics as well as learners and teachers inspired him to obtain various corporate sponsorships. This has resulted in the establishment of many successful Saturday and Holiday School programmes over the years.

One such project was sponsored by Anglo Coal and voted Community Project of the year in 2012 amongst all Coal Mining Houses. The project was identified as one of the top 15 projects in Anglo world-wide.

JB Education Pty Ltd is currently running several national projects for corporate sponsors which include ACSA/ATNS, Oracle SA and EXXARO.

These projects are implemented in five provinces and are making a difference in the lives of hundreds-of-thousands of learners and teachers who are attending the Saturday and Holiday School programmes.



[Back to Services](#)

OUR SERVICES

PRIVATELY CONTRACTED WORKSHOPS



Focussing on learners will not only help them achieve better results, but it also eases the workload of the teacher.

Our learner programmes have been very successful and in certain cases we have achieved a 400% improvement in year-end results. Through our learner programmes we have assisted in improving the results of almost 100 000 learners across South Africa to date. Our highly qualified staff know where to focus their training to make sure learners achieve excellent results.

We understand the frustrations that learners experience and we know which areas require the most guidance and improvement. We provide them with world-class material and solutions to empower them to focus and study at home.

Helping our learners to achieve better results is imperative as we all need to work collaboratively to create a better livelihood for future generations.



[Back to Services](#)

OUR SERVICES

DIGITAL TEACHING MATERIAL AND EQUIPMENT



We supply schools with the most current technology to improve the teaching environment in the classroom. Our services include:

- iPad deployment
- Digital textbooks
- Digital teaching material
- Laptops with all digital material pre-loaded
- Visualizers
- Data projectors
- Digital material for subjects from Grade 1 - 12



[Back to Services](#)

OUR SERVICES

SCHOOL MANAGEMENT COACHING



The management of schools has an extremely important impact on the school's overall performance.

For this reason, JB Education has developed and successfully implemented a hands-on coaching programme for School Management Teams (SMT's).

The coaching process enables principals and their management teams to manage their schools more professionally and efficiently.

As a result learner and teacher performance improves, results improve and all stakeholders are proud of their school. When a school achieves excellent results, it has a positive impact on the entire community.



[Back to Services](#)

OUR SERVICES

TEXTBOOKS



Jurgens was a member on the panel who wrote the new CAPS Syllabus. He is also the co-author of the “Mind Action Series Mathematics Textbooks”, nationally approved by the Department of Basic Education.

These textbooks have received the highest ranking from the National Panel amongst all the Mathematics textbooks. During training sessions, we use these textbooks and refer to specific modules in the books.

This assists teachers in referring back to the content of the training programme after the completion of the programme. Thus, we provide teachers with the tools to continue on their own and become the best teachers they can be.



[< Back to Services](#)

OUR SERVICES

SCHOOL MAINTENANCE



- Architectural Designs, Draughts & Building Plans
- Building Plan Submissions
- Project Management
- Structural Engineering
- Building (incl. after service maintenance)
- Brick & Mortar Teams
- Scaffolding Setup
- Erecting Boundary Walls
- Dry Walls & Partitioning
- Swimming Pool Installations
- Perimetre Fencing
- Interior & Exterior Painting
- Wall & Floor Tiling
- Paving
- Plumbing
- Electrical
- Waterproofing
- Roofing
- Bathroom Remodelling
- Final Finishes
- Rubble Removal
- Renovations
- Audio Visual installations and layouts
- Security





OUR TOP 5 PROJECTS

CLICK ON THE LINKS BELOW FOR MORE INFORMATION



**ANGLO
AMERICAN**

ORACLE®

exxaro

POWERING POSSIBILITY



**AIRPORTS COMPANY
SOUTH AFRICA**



education

Department of
Education
FREE STATE PROVINCE

OTHER CLIENTS INCLUDE:



OUR TOP 5 PROJECTS



2009 – 2014

WHAT DID WE DO?

- Mathematics, Mathematical Literacy, Physical Science and Accounting Learner Development Programme (Saturday and Holiday School) in the Kwazamokuhle Township, Mpumalanga.
- Teacher Development Programme in the Mpumalanga area.
- School Management Coaching.

WHAT WAS THE OUTCOME?

- We started with a pass rate of 22% and in 2 years we were achieving a 90% pass rate.
- We were also awarded with the 2012 Community Project of the year among all Coal Mine Houses in SA.
- Upliftment of teachers.
- A very sustainable project.

OTHER CLIENTS INCLUDE:



[< Back to Projects](#)

OUR TOP 5 PROJECTS

ORACLE®

2011 - CURRENT

WHAT DID WE DO?

Mathematics, Physical Science & Accounting
Learner and Teacher Development Programmes
for Penolopele Secondary School.

WHAT WAS THE OUTCOME?

We have managed to work with the school to
develop the teachers and help the learners to
achieve very good results every year.

2007 - 2010

WHAT DID WE DO?

Teacher Training in Gauteng, Free State, Kwazulu
Natal and the Western Cape.

WHAT WAS THE OUTCOME?

A very successful project with guaranteed
sustainability.

OTHER CLIENTS INCLUDE:



[< Back to Projects](#)

OUR TOP 5 PROJECTS



POWERING POSSIBILITY

2015 - 2017 (1)

WHAT DID WE DO?

Learner Development Programme (Saturday and Holiday School) in the Kwazamokuhle Township, Mpumalanga.

WHAT WAS THE OUTCOME?

After Anglo left the project Exxaro took over the sponsorship. We are still maintaining a 90% pass rate and the project is very successful.

2015 - 2017 (2)

WHAT DID WE DO?

Teacher Development Programme in the Mpumalanga area.

WHAT WAS THE OUTCOME?

- Upliftment of teachers.
- A very sustainable project.

OTHER CLIENTS INCLUDE:



[< Back to Projects](#)

OUR TOP 5 PROJECTS



AIRPORTS COMPANY SOUTH AFRICA

2017 - CURRENT

WHAT DID WE DO?

Mathematics, Physical Science and Accounting Learner and Teacher Development Programme for Walmer High School (Port Elizabeth), Umtiza High School (East London) and Dondashe Senior Secondary School (Centane Village).

WHAT WAS THE OUTCOME?

Walmer High Schools' pass rate increased from 22% to 73% in one year.

OTHER CLIENTS INCLUDE:



[< Back to Projects](#)

OUR TOP 5 PROJECTS

**education**Department of
Education
FREE STATE PROVINCE

2015 - CURRENT

WHAT DID WE DO?

Mathematics Learner Holiday Programme for 300+ learners from Sasolburg.

WHAT WAS THE OUTCOME?

Fezile Dabi was the top performing District in Mathematics in 2017 & 2018.

OTHER CLIENTS INCLUDE:



CONTACT US



+27 82 900 2742



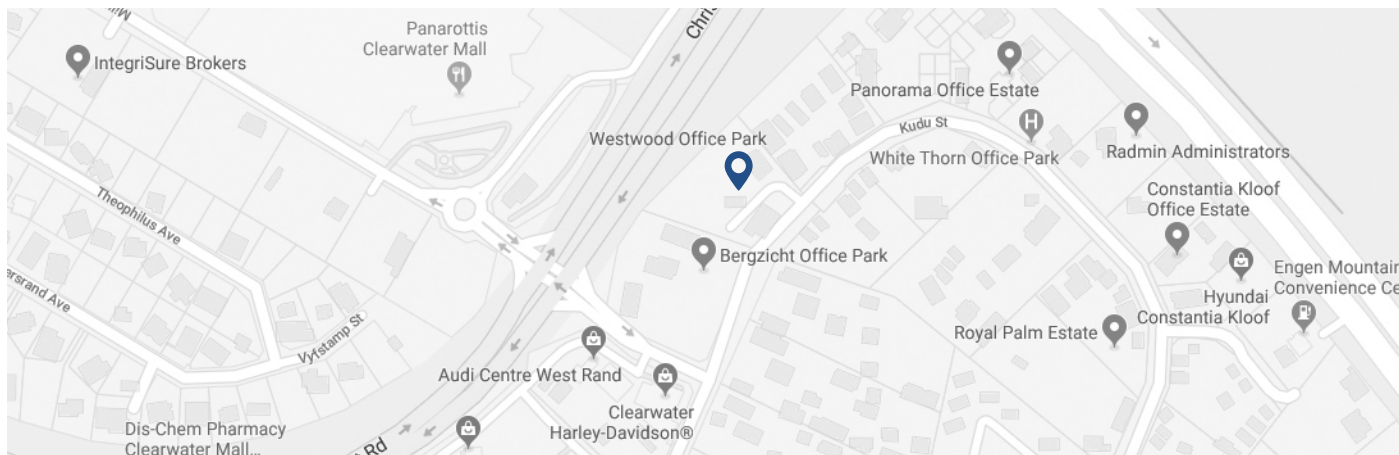
Email Us



Follow us



Follow us



Head Office:

BI Westwood Office Park, Allen's nek, Johannesburg, Gauteng, South Africa

WWW.JBEDUCATION.CO.ZA

