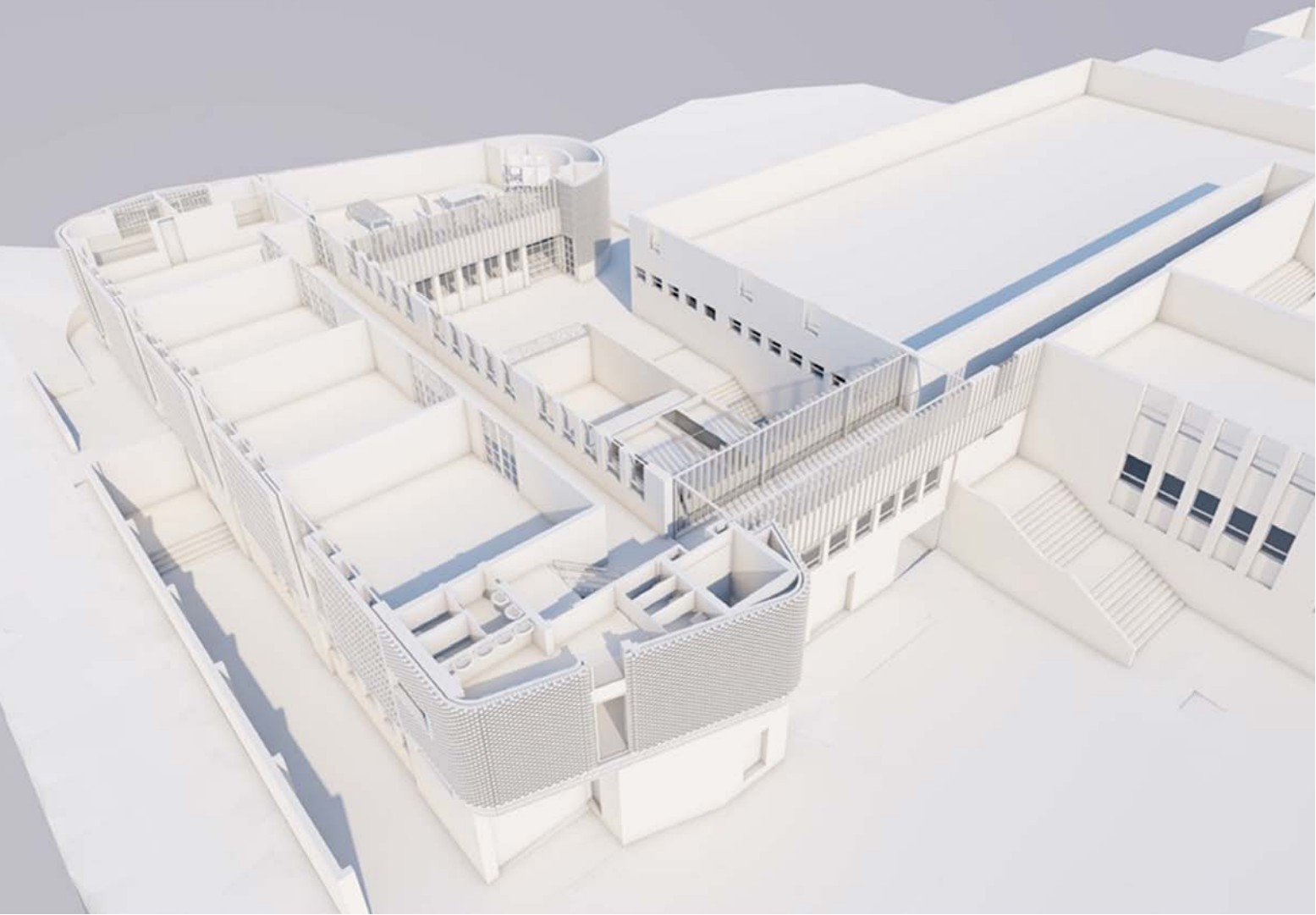




FUNDING PROPOSAL

ENGINEERING AND DESIGN FACULTY

WYNBERG BOYS' HIGH SCHOOL



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PROJECT OVERVIEW

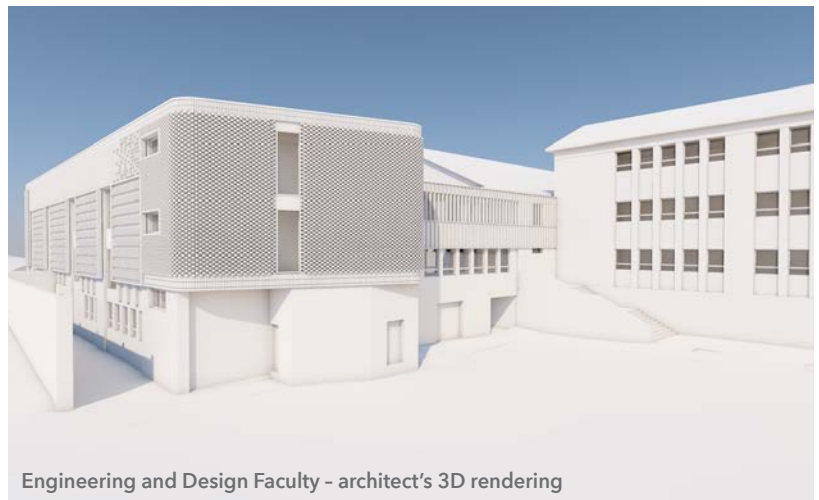
This document introduces the proposed Wynberg Boys' High School Engineering and Design Faculty including Visual and Creative Arts as envisaged in the 2021 Vision Document, the first in a series of capital works projects identified by the school executive.

In order to maintain and improve upon our magnificent facilities and to continuously stay at the forefront of modern technologies in the classrooms, the school has a long term plan of projects for which we are seeking additional funding.

For this project, we have managed to secure several large donations but still require additional funding to complete the 2 phases as outlined under **costings** further on in this proposal.

This proposal serves to source funds to build additional classrooms and workshops to help us cope with increased numbers and proposed upgrades in line with WCED (Western Cape Education Department) *Guidelines for the Implementation of Technology and Technical Subjects*.

The diagrams on the right give an overview of the proposed build and the two phases.



PHASE 1 | Lower Ground Floor (completed)



PHASE 2 | Ground, 1st Floor and Roof



SCOTT + PARTNERS
WBHS | ENGINEERING & DESIGN FACULTY



INTRODUCTION



Wynberg Boys' High School is a traditional, values-based boys' school that mentors young men by providing a wide range of educational opportunities in a stimulating, innovative and challenging environment.

Although steeped in tradition, Wynberg has a modern outlook and is proudly South African. Thriving on diversity, our ethos is brotherhood and our guiding principle 'never give up', reflects the school's motto '*Supera Moras*' - or 'overcome difficulties'.

As one of the oldest schools in the country, we pride ourselves on remaining at the forefront of education both in the use of technology and teacher development. Understanding that technology cannot replace quality teachers, Wynberg emphasises best practice toward academic excellence, particularly in Mathematics and Science.

Whilst we celebrate the successes of our boys, our real achievement lies in offering a world-class education within a caring environment.

Wynberg moved onto our new campus in 1981 into

a building designed to accommodate 600 students. Since moving, there has been very little expansion of teaching and learning facilities despite the number of learners increasing to over 900.

Post 1991 the demand for places at the school increased dramatically. In an effort to promote diversity a decision was taken at Governing Body level to increase the intake at Grade 8, first to 150 per grade and then in 2014 to 180 per grade and in 2017 to 210 per grade.

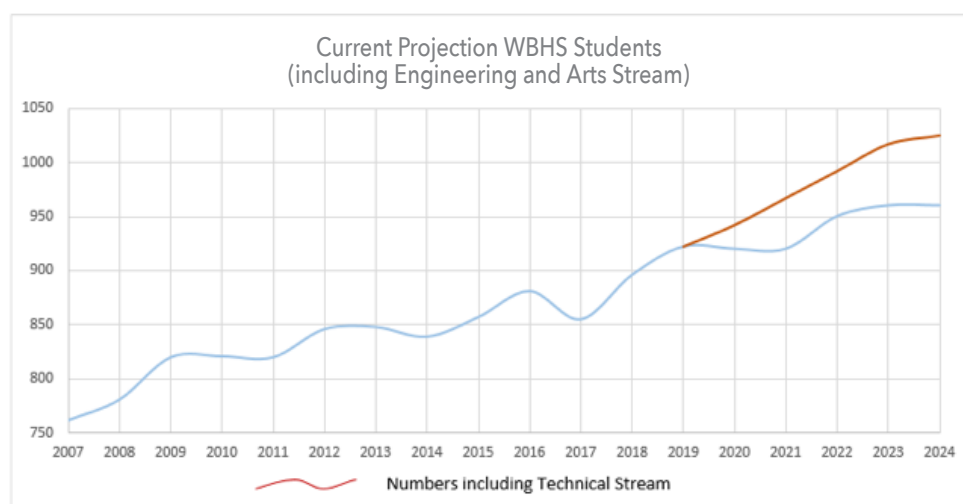
This increase in numbers is due to demand and our reluctance to turn away boys who will make a positive contribution to the school and derive huge benefit from a Wynberg education.

Faced with the prospect of our last three intakes of 180 per grade exiting the school in 2017, 2018 and 2019, and being replaced by intakes of over 210, this immediately increased our student numbers from 855 in 2017 to 920 in 2020. This upward trend will then continue for the next 3 years with numbers stabilising at about 960 students in 2021, well over double the original number the buildings were intended to accommodate.

Table and Graph: Increasing Pupil Numbers since 2007

Wynberg Boys' High School

Year	With Technical Stream	Size of School	Number in Matric
2007		762	148
2008		781	140
2009		820	156
2010		821	154
2011		820	148
2012		846	158
2013		848	178
2014		839	147
2015		857	150
2016		881	179
2017		855	148
2018		896	163
2019	922	922	162
2020	942	920	161
2021	967	920	170
2022	992	950	205
2023	1017	960	205
2024	1025	960	205



TRANSFORMATION AT WYNBERG



At Wynberg we prefer to not distinguish between privileged and under privileged learners, as we believe every boy attending Wynberg is privileged to be here.

As part of our curriculum, learners in Grade 8 and 9 all do Technology as a subject. This subject is an introduction to the courses offered in the Engineering and Design Faculty from Grade 10 – Grade 12, and classes are conducted by fully qualified teachers in this faculty. It also provides all students with basic technical skills which will be required throughout their lives. As a result, all 922 learners that attend Wynberg will benefit from the new Engineering and Design Faculty every year. Broken down, this means that 510 learners (55%) that are non-white will directly benefit from the faculty, every year.

The industry approached us to open this Faculty, highlighting the shortage of technical skills in the workplace today. Being one of the most transformed schools they saw us as the ideal school to pilot this project that will benefit communities at all levels. With the skills obtained through this faculty, there are many doors that will open to the learners. Scholarship and bursary opportunities for further studies, artisan work placement programmes, transferring of skills and knowledge through the job shadow

holiday programmes or simply implementing the skills they have learned to open their own business. The wide-reaching impact of the new Engineering and Design Faculty will be vast.

As mentioned earlier in the proposal, we are very proud of our adult night school CWESI, an avenue for adult education, job creation and the provision of much needed technical skills in South Africa as they too will utilise the facilities.

Holiday programmes will be run utilising these facilities to excite and uplift learners from disadvantaged communities, with the possibility of identifying deserving learners that will eventually be invited to join WBHS Engineering and Design Faculty.

Wynberg currently has 123 learners on Scholarships

- 71 Scholarships funded by Wynberg Boys' High School
 - 52 Individual Scholarships funded by benefactors and foundations
- 123 Total

A further 7% of families currently qualify for a fee rebate. This means a total of 20% of our student population are subsidised in one form or another.

Projected Pupil Breakdown 2020

POPULATION GROUP	GR 8	GR 9	GR 10	GR 11	GR 12	TOTAL
Black/African	17	22	16	13	14	82
Coloured	80	77	85	70	62	374
Indian/Asian	8	12	14	9	11	54
Other	9	2	2	2	5	20
White	84	101	91	68	67	411
Total	198	214	208	162	159	941

PROPOSED CAMPUS UPGRADES



Fees paid by parents are used to meet the operational needs of the school, but to ensure we build enough funds for major capital expenditure, it is imperative that we appeal to funders for assistance, all the while continuing to fundraise and appeal for financial contributions from the alumni of Wynberg and corporate sponsors, to ensure we continue to build on the proud traditions of Wynberg Boys' High School.

Capital Works Projects

During 2016 the staff body engaged in a programme to create a vision for the school for 2021 and identified the Wynberg 2021 Strategy - out of these the following 6 key focus areas were identified:

- Innovative Education
- Modern Facilities
- Diversity & Inclusivity
- Sustainability
- The Wynberg Brand
- The Wynberg Ethos

One of these **key focus areas** is Modern Facilities, where our excellence is enhanced by the development of modern facilities across all four of our pillars, Academic, Culture, Service & Sport. In line with this strategy the following projects, amongst others, have been identified:

- Introduction of an Engineering & Design Faculty
- Expansion and upgrade of the Creative and Visual Art Department
- Additional Teaching Spaces
- Modernising Existing Teaching Spaces
- Upgrading Sports Facilities

Engineering and Design Stream

Due to a lack of learners becoming proficient in various identified skills within the industrial and tertiary educational sector, the WCED presented the school with a discussion paper on *Guidelines*

for the Implementation of Technology and Technical Subjects.

Since 2006, Wynberg have offered the popular subject EGD (Engineering, Graphics and Design) and are further aligning ourselves by introducing additional subjects as follows:

- Electrical Engineering (Electronics) introduced in 2018
- Civil Engineering (Construction) being introduced in 2020
- Automotive Engineering (TBC) being introduced in 2021
- Digital Electronics being introduced in 2022

WBHS engaged with architects and other key role players to devise a strategy to introduce a three-pronged approach, by introducing an Academic, Technical and Adult Vocational stream into their curriculum.

The vocational stream would operate out of technical workshops, outside of school hours under the auspices of CWESI (Constantia Wynberg Education Sharing Initiative), the adult night school. Holiday courses would also be offered to learners wanting to acquire technical skills.

Introducing an Engineering and Design stream will provide Wynberg students with opportunities of real-life work experience as well as entrepreneurial training. The introduction of this model will support youth development, adult education, job creation and the provision of much needed technical skills in South Africa.

Holiday programmes will run utilising these facilities to excite and uplift learners from disadvantaged communities, with the possibility of identifying deserving learners that will eventually be invited to join WBHS technical stream.

Investigations into the feasibility of accepting additional Grade 10 learners into the school has been done and provided they can cope academically with the current school programme, we would like to afford them the opportunity to attend Wynberg Boys' High School.

THE DEPARTMENT OF VISUAL AND CREATIVE ARTS

The top floor of the Engineering and Design Faculty will be home to the Department of Visual and Creative Arts and will include an exciting new space, named The Studio, for creation and display of artwork.

Visual and Creative Arts, which develop invaluable lateral thinking and problem solving skills, are growing in popularity as subjects at Wynberg. The addition of The Studio, new modern art rooms, theory rooms, and offices will offer additional possibilities for exhibitions, presentations and other related activities.

A spacious studio is important to give the boys a comfortable area to explore contemporary forms of art such as installations and mixed media, which can demand a broad spatial canvas.

We also intend opening The Studio to the broader community by having a resident artist, this will provide a creative space for people who would otherwise struggle to gain recognition. The Studio will give our learners the real life experience of a working studio.

Positioning the Visual and Creative Arts practical rooms and The Studio away from the hustle and bustle of the main school buildings will allow our budding young artists to immerse themselves in their artwork in a space conducive to creativity.

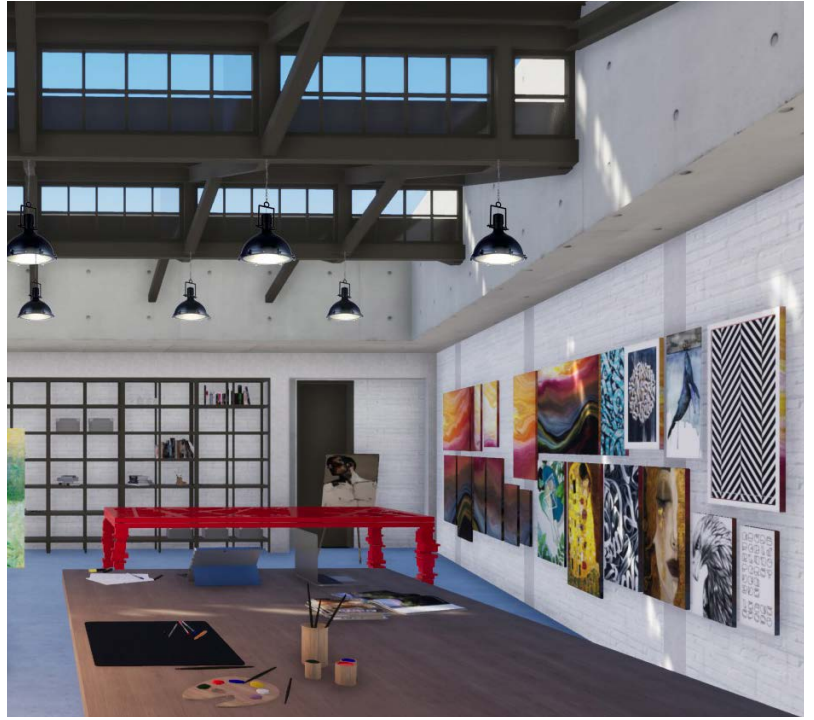
The Studio will display the work of current art students and Wynberg Old Boy artists with the intention of proving to students that a successful career in Art is an achievable reality.

The construction of this exciting new facility is included in the second phase of the Engineering and Design Faculty commencing in February 2020, to be completed in time for the 2021 academic year.



Architect's 3D rendering





PROJECT COSTINGS



There are 2 phases to this project.

PHASE 1

**Lower Ground
and Ground Floor
R7 808 623**

Start Date: 14 June 2019

Completion Date: 14 December 2019

- 4 Classrooms
- 3 Workshops
- 1 Office
- 1 Store room
- 1 Undercover Courtyard

Total Budget - R7 808 623

PHASE 2

**1st Floor and
New Build
R21 392 612**

Start Date: 01 February 2020

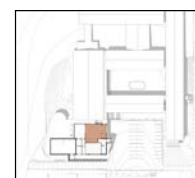
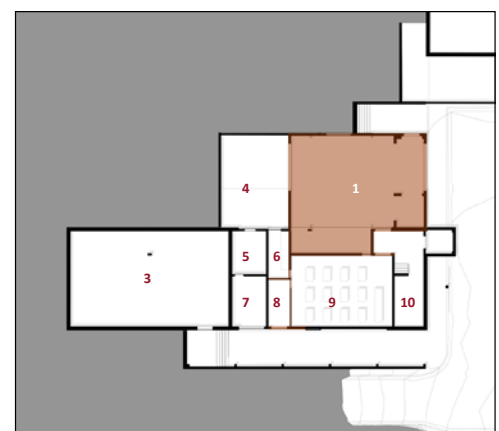
Completion Date: 14 November 2020

- 4 Classrooms
- 2 Workshops
- 6 Offices
- 1 Art Studio
- 2 Store Rooms
- Lift for disabled access

Total Budget - R21 392 612

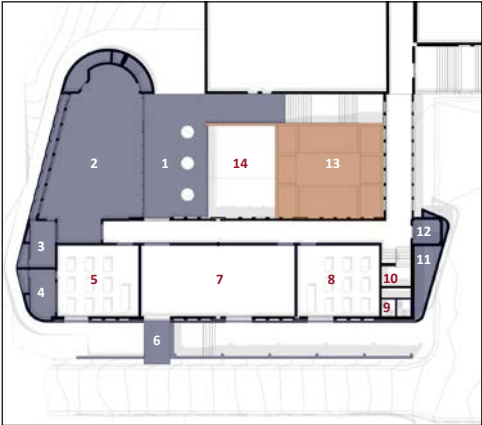
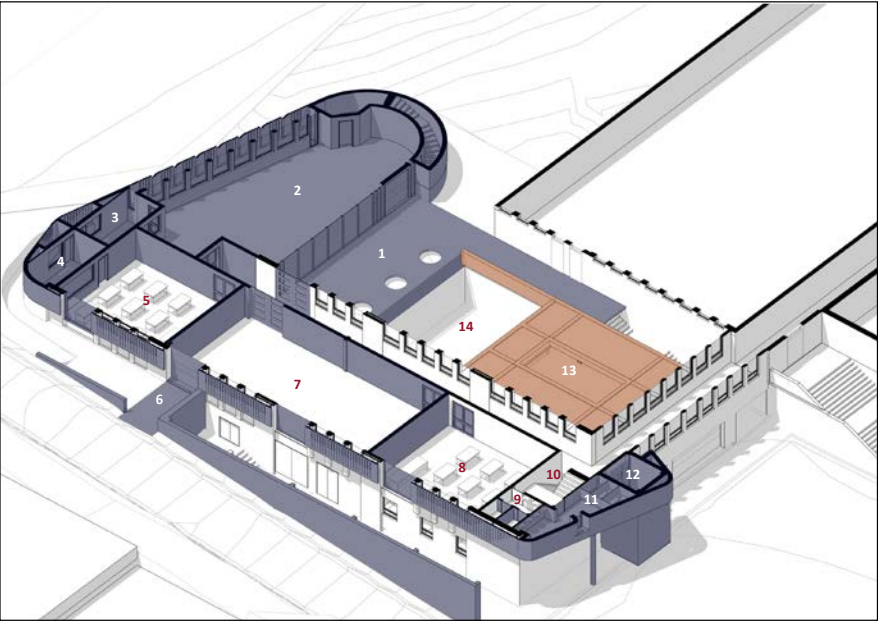
In addition, there are costs associated with a new build that are not included, for example fittings and fixtures, landscaping etc.

PHASE 1 | Lower Ground Floor (completed December 2019)



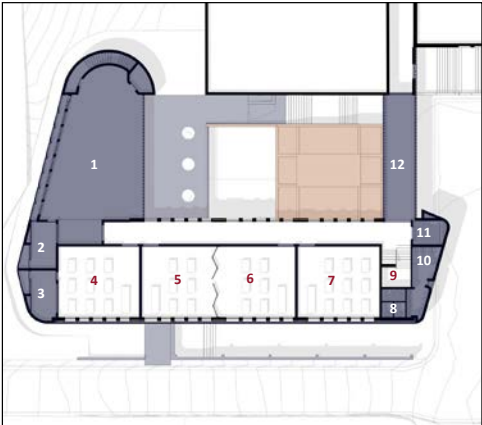
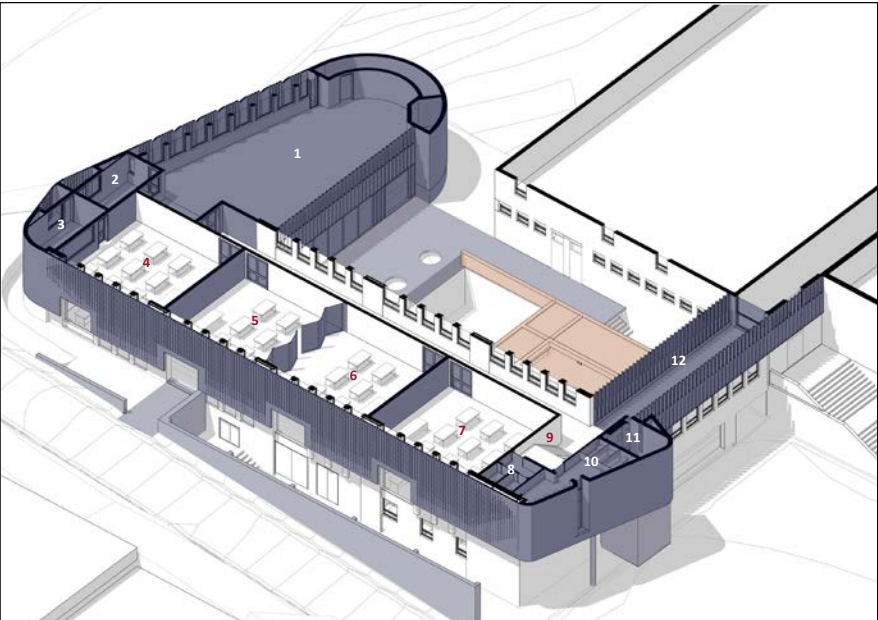
- 0 1 2 5 10 20
- 1 - WORKSHOP 1
 - 2 - DELIVERY CORE
 - 3 - STORE
 - 4 - COURTYARD
 - 5 - SWITCH ROOM
 - 6 - OFFICE
 - 7 - TRANSFORMER ROOM
 - 8 - STORE ROOM
 - 9 - CLASSROOM
 - 10 - CIRCULATION

PHASE 2 | 1st Floor (partially completed November 2019)



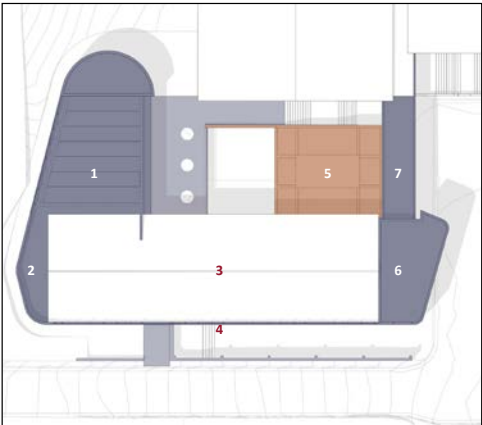
- 0 1 2 5 10 20
- | | |
|---------------------|--------------------|
| 1 - UPPER COURTYARD | 11 - ABLUTIONS |
| 2 - WORKSHOP 2 | 12 - DELIVERY CORE |
| 3 - OFFICE 2 | 13 - WORKSHOP ROOF |
| 4 - OFFICE 3 | 14 - COURTYARD |
| 5 - CLASSROOM 2 | |
| 6 - DELIVERIES | |
| 7 - WORKSHOP 3 | |
| 8 - CLASSROOM 3 | |
| 9 - STAFF WC | |
| 10 - CIRCULATION | |

PHASE 2 | 2nd Floor



- 0 1 2 5 10 20
- | | |
|-----------------|--------------------|
| 1 - ART ROOM | 11 - DELIVERY CORE |
| 2 - OFFICE 4 | 12 - NEW BRIDGE |
| 3 - OFFICE 5 | |
| 4 - CLASSROOM 4 | |
| 5 - CLASSROOM 5 | |
| 6 - CLASSROOM 6 | |
| 7 - CLASSROOM 7 | |
| 8 - STAFF WC | |
| 9 - CIRCULATION | |
| 10 - ABLUTION | |

PHASE 2 | Roof / Overview



- 0 1 2 5 10 20
- | | |
|-------------------------------|--|
| 1 - NEW WORKSHOPS & ART BLOCK | |
| 2 - NEW OFFICES | |
| 3 - EXISTING ROOF | |
| 4 - NEW FACADE | |
| 5 - NEW WORKSHOP | |
| 6 - NEW ABLUTION BLOCK | |
| 7 - NEW BRIDGE | |
| 8 - NEW DELIVERY CORE | |

IMPLEMENTATION PLAN



In 2018 we introduced the first engineering subject, Electronics, and as instruction space becomes available will introduce the additional subjects.

Next year we will have approximately 90 boys taking either Electronics or Construction in Grades 10, 11 and 12.

The projected number taking these subjects is approximately 60 per grade (3 subjects) in Grades 10, 11 and 12, totalling 180 students made up

of approximately half from within Wynberg Boys' and the other half being new entrants to Wynberg at Grade 10 level. This means an additional 100 students over and above the 960 mentioned above, that will be attending Wynberg Boys High by 2022.

In order for this Engineering and Design Faculty to be fully operational we require three workshops and three additional classrooms. All additional classrooms built at Wynberg will be modern in design and environmentally friendly in line with our strategic objectives.

HOW TO GET INVOLVED

There are several ways of getting involved by assisting in the following areas:

1. Financial Assistance

- a. **Donation to the building fund**
(Section 18A Certificates available)
- b. **Scholarship**

2. Professional Services

- (particularly in Construction and Health & Safety)
- a. **Professional Services**
 - b. **Mentorship**

3. Material Donations

- a. **Building supplies** (e.g. paint brushes, ready mix concrete, bricks, roof tiles etc.)
- b. **Soft furnishings** (flooring, blinds)
- c. **Plumbing and bathroom supplies**
- d. **Electrical Supplies**
- e. **Paving**
- f. **Landscaping**
- g. **Signage**
- h. **Equipment for classrooms**

Donor Recognition

All donations received will be recognised on the Donor Recognition Board in the Engineering and Design Faculty. All cash donations as well as donations in kind or services will receive recognition.

DONOR TIERS

Naming Donor - Tier 1

R20 million

This allows the donor naming rights, to the entire building, in perpetuity.

Naming Donor - Tier 2

R5 million

This allows the donor naming rights to a specific department within the faculty:

- Department of Construction
- Department of Electronics
- Department of Visual and Creative Arts
- Department of Automotive Engineering.

Platinum Donor

R1 – R5 Million

Wynberg Blue Donor

Up to R1 Million

All donations to this project are being channelled through the Supera Moras Trust. www.superamorastrust.com



SUPERA MORAS TRUST AND TAX DEDUCTABILITY OF DONATIONS

The Supera Moras Trust is a trust that was established by a number of Wynberg Old Boys in 2008.

The purpose of the Trust is to provide a vehicle for donations to enhance the education of young men attending Wynberg Boys' High School, Cape Town.

Any prospective donation tax benefit accruing to the donor will be regulated by the country in which the donations are made.

The Supera Moras Trust is a registered Public Benefit Organisation (PBO) with the South African Revenue Service (SARS) and enjoys S18A status which permits the issuing of donation tax certificates

to South African tax-payers, who may donate up to 10% of their net taxable income to us without incurring donations tax. Tax certificates will be issued in respect of qualifying donations each year for inclusion in donors' tax returns.

Bequests from the estates of deceased persons in favour of Wynberg Boys' High School may also be exempt from the payment of estate duty in terms of section 4(h) of the Estate Duty Act, 45 of 1955. The stipulation by the donor to Wynberg Boys' High School is that they must state the donation is made: "To cover essential costs which include academic fees, boarding costs, books, uniforms and sporting apparel."

CONCLUSION

Wynberg Boys' High School learner numbers have increased over the last 36 years in our current facility with little physical expansion. In line with the WCED proposal with regards to the introduction of an engineering stream, this will contribute towards significantly expanding the building's original capacity.

**It is with this in mind
that we appeal
for your assistance.**

BANKING DETAILS

Wynberg Boys' High School

Standard Bank

Branch Code: 025309

Acc No: 07 169 122 7

Supera Moras Trust

Standard Bank

Branch Code: 025309

Acc No: 27 618 053 4

**Any additional information required can be obtained from the
Headmaster Mr Jan de Waal at jdewaal@wbhs.org.za or 021 761 2966**



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