



THS CAREL DE WET

GR 9 SUBJECT CHOICE FOR 2025

Program of the day

Programme:	Time:
• Registration at the gate	7:00 - 7:30
• Assemble in the hall	7:30 - 8:00
• Introduction of specialised subjects	8:00 - 9:00
• Tour of Technical centurms (Parents will start in allocated centrum and rotate to all) 9A – Woodwork 9B – Construction 9C – Civil Services 9D– Electronics 9E – Power Systems 9F – Fitting and Machining – Automotive -- Welding and Metalwork	9:00 - 10:20
• Departure	10:30

Why is choosing a subject important

Subject choice in Grade 9 is always a stressful time! Most learners (and their parents), find it difficult to choose subjects for Grade 10.

Subject choice makes a huge impact on every learner's future career and tertiary study options.

The reason being is because most students don't know themselves, they don't know the world of work (what different careers entail) and they don't know university requirements.

The subject choice at the end of Grade 9 could determine the field of study learners can follow once they complete school.

In other words, if learners do not select the correct combination of subjects, they could find themselves unable to enter into certain higher or further education programmes. So when making this important subject choice, learners should consider their options for when they complete school.

Pass requirements for Gr 9

HOME LANGUAGE	50%
FIRST ADDITIONAL LANGUAGE	40%
MATHEMATICS	40%
LIFE ORIENTATION	30%
TWO SUBJECTS	40%
TWO SUBJECTS	30%

CAN FAIL ONE SUBJECT.

IMPORTANT: To apply for MATHS and SCIENCE in Gr 10 a learner must have 50% for MATHS and NATURAL SCIENCE in Gr 9!!!

THS Carel De Wet moving towards **full** Technical

Carel de Wet's vision is to become a fully fledged Technical high School.

2024 learners will be the THIRD group who has the option to choose Civil services and Construction as a core subject.

We will be the only Technical high school in Vanderbijlpark and will make provision for the job market around Vanderbijlpark.

Please take into consideration when choosing subjects that Carel De Wet **will** be a technical school.

We have streams that learners need to select so subject choice is very important as subject changes in later years is not possible except for core subject in technical streams.

Benefits of choosing a technical school

- More Cost Effective Education
- Technical school programs are less expensive than the average bachelor degree
- Smaller Class Sizes and Hands-On Experience
- Career-Focused Curriculum
- Prepare for Profitable Careers in High Demand
- Technical School Graduates Have Higher Rates of Employment.
- The country is moving into the fourth industrial revolution

Terms & Conditions

- Learners must obtain at least **50% for Mathematics and NS in term 3** report to qualify for stream A1. The first 32 learners with the best percentage will be given preference for the class. All other Technical subjects will have *Technical math* and *Technical science*.
- **NOTE: If learner has 50% for Math and wants to take any other technical subject with MATH and PS he/she will be allowed to do so.**

Engineering graphics and design

- Engineering Graphics and Design (EGD) teaches internationally acknowledged principles that have both academic and technical applications.
- The emphasis in EGD is on teaching specific basic knowledge and various drawing techniques and skills so that the EGD learners will be able to interpret and produce drawings within the contexts of:
 - Mechanical Technology
 - Civil Technology
 - Electrical Technology.

ELECTRICAL TECHNOLOGY

A1 ELECTRONICS

- Electronics as a specialization in Electrical Technology introduces the learner to analogue electronics utilizing mainly light current applications.
- Electronics as specialization concerned with the design of circuits using transistors and microchips, and the behavior and movement of electrons.
- Further studies for a learner with the required subject combinations will enable him / her to progress towards becoming an electronic technician / technologist / engineer through a university.

A2 POWER SYSTEMS

- Electrical systems refer to applications of electricity where heavy current from mains supply is used in a number of applications.
- A learner in Electrical Technology may opt to become an electrician and work in the manufacturing industry with specific focus on maintenance and repair of electrical installations and machinery.
- Further studies for such a learner will typically be along the lines of an FET college in conjunction with an internship at a local industry.

Stream A1

– Learner must obtain 50% for MATH and NS in term 3 report card to qualify

COMPULSARY	THREE CORE SUBJECTS	OPTION
ENGLISH HL	PHYSICAL SCIENCE	
AFRIKAANS FAL	ENGINEERING GRAPHIC AND DESIGN	
PURE MATHEMATICS	TECNICAL CHOICE:	
LIFE ORIENTATION	ELECTRICAL (ELECTRONICS)	

Stream A2

COMPULSARY	THREE CORE SUBJECTS	OPTION	
ENGLISH HL	PHYSICAL SCIENCE / TECH SCIENCE		
AFRIKAANS FAL	MATHEMATICS/TECH MATH		
ENGINEERING GRAPHIC DESIGN	TECHNICAL CHOICE:	Math/PS	Tech M/TS
LIFE ORIENTATION	POWER SYSTEMS		

Possible career options in Electrical Technology

A1

- Electrical fitter
- Electrical or electronic engineer
- Electrical draughtsperson
- Electrical or electronic technician
- Electrical or electronic technologist
- Digital / Software Engineer
- Academic in the field of Electrical Technology
- Electronic mechanic
- Auto-electrician

A2

- Electrician
- Radio Technician
- Cell Phone Technician
- Communication Technician
- PLC Programming Expert
- Electronics Programming Engineer
- Computer Technician
- Robotics Engineer
- Mechatronics Technician
- Installation Electrician

CIVIL TECHNOLOGY

B1 WOODWORKING

- Woodworking works hand in hand with construction.
- It focuses on structures such as roof trusses, windows, doors and any part of a building that is made of timber.
- It also focuses on providing temporary supporting structures to construct permanent structures such as concrete floors, stairs, roofs and arches

Stream B1

COMPULSARY	THREE CORE SUBJECTS	OPTION	
ENGLISH HL	PHYSICAL SCIENCE/TECH SCIENCE		
AFRIKAANS FAL	ENGINEERING GRAPHIC AND DESIGN		
MATHEMATICS/TECH MATH	TECHNICAL CHOICE:	Math/PS	Tech M/TS
LIFE ORIENTATION	WOODWORK		

CIVIL TECHNOLOGY

B2 CIVIL SERVICES

- Civil services can be construed as plumbing, which focuses on:
 - *the supply of cold and hot water supplies to a building,*
 - *the installation of a sewerage system enabling soiled waste water*
 - *storm water removal from a site.*
- It focuses on materials and the way they are used to provide water and sanitation on a site, taking into account environmentally friendly technology (*green energy*).

B3 CONSTRUCTION

- Construction focuses on the development of concrete and brick structures in the built environment.
- It focuses on materials and the way they are used to provide infrastructures in the development of sites, taking into account environmentally friendly technology (*green energy*).

Stream B2

COMPULSARY	THREE CORE SUBJECTS	OPTION	
ENGLISH HL	PHYSICAL SCIENCE/TECH SCIENCE		
AFRIKAANS FAL	ENGINEERING GRAPHIC AND DESIGN		
MATHEMATICS/ TECH MATH	TECHNICAL CHOICE:	Math/PS	Tech M/TS
LIFE ORIENTATION	CIVIL SERVICES (PLUMBING)		

Stream B3

COMPULSARY	THREE CORE SUBJECTS	OPTION	
ENGLISH HL	PHYSICAL SCIENCE/TECH SCIENCE		
AFRIKAANS FAL	ENGINEERING GRAPHIC AND DESIGN		
MATHEMATICS/ TECH MATH	TECHNICAL CHOICE:	Math/PS	Tech M/TS
LIFE ORIENTATION	CONSTRUCTION		

Jobs available for the B Stream

B1	B2	B3
<ul style="list-style-type: none">▪Carpenter And Joiner▪Bricklayer▪Tiler▪Painter▪Plumber▪Drain layer▪Roof Specialist▪Cabinet Maker▪Shutter Hand	<ul style="list-style-type: none">▪Civil Technology Educator▪Building Inspector▪Quantity Surveyor▪Architect▪Draughtsperson▪Building Surveyor▪Engineering Technologist (Civil)	<ul style="list-style-type: none">▪ City Planner▪ Project Manager▪ Health & Safety Officer▪ HR▪ Civil Engineer▪ Quality Maintenance

Mechanical Technology

C1 AUTOMOTIVE

Encompassing petrol and diesel driven vehicles, motor cycles, lawnmowers, generators and tractor mechanics.

C2 FITTING AND TURNING

- Focuses on the manufacturing and machining of machines parts using processes such as lathe turning, milling, cutting, shaping, fitting of keys, couplings, bushes, shafts and bearings.
- Turning is a machining process in which a cutting tool, typically a non-rotary tool bit, moves more or less linearly while the work piece rotates.

Stream C1

COMPULSARY	THREE CORE SUBJECTS	OPTION	
ENGLISH HL	PHYSICAL SCIENCE/TECH SCIENCE		
AFRIKAANS FAL	ENGINEERING GRAPHIC AND DESIGN		
MATHEMATICS/ TECH MATH	TECHNICAL CHOICE:	Math/PS	Tech M/TS
LIFE ORIENTATION	AUTOMOTIVE		

Stream C2

COMPULSARY	THREE CORE SUBJECTS	OPTION	
ENGLISH HL	PHYSICAL SCIENCE/TECH SCIENCE		
AFRIKAANS FAL	ENGINEERING GRAPHIC AND DESIGN		
MATHEMATICS/ TECH MATH	TECHNICAL CHOICE:	Math/PS	Tech M/TS
LIFE ORIENTATION	FITTING AND TURNING		

C3 WELDING AND METALWORK

- Includes welding (gas, electric, MIG/MAGS), developments, working with sheet metal and the manufacturing of structures.
- Metalworking is the process of working with metals to create individual parts, assemblies, or large scale structures.

Stream C3

COMPULSARY	THREE CORE SUBJECTS	OPTION	
ENGLISH HL	PHYSICAL SCIENCE/TECH SCIENCE		
AFRIKAANS FAL	ENGINEERING GRAPHIC AND DESIGN		
MATHEMATICS/ TECH MATH	TECHNICAL CHOICE:	Math/PS	Tech M/TS
LIFE ORIENTATION	WELDING		

Jobs available for the C Stream

C1	C2	C3
<ul style="list-style-type: none">▪ Motor Mechanic▪ Diesel Mechanic▪ Motorbike Mechanic▪ Industrial Mechanic▪ Engine Rebuilder▪ Transmission Specialist▪ Auto Electrician▪ Metallurgic Engineer▪ Rigger	<ul style="list-style-type: none">▪ Fitter▪ Machinist▪ Gunsmith▪ Technician/ Engine Diagnostic Analyst▪ Instrument Specialist▪ Suspension/ Chassis/Roll Cage Developer▪ Toolmaker▪ Blacksmith▪ Brake and Clutch Specialist▪ Jeweller▪ Rigger	<ul style="list-style-type: none">▪ Technical Teacher▪ Technical Lecturer▪ Welder▪ Boilermaker▪ Upholsterer▪ City Planner▪ Welder▪ Panel Beater

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- **NOTE: If learner has 50% for Math and wants to take any other technical subject with MATH and PS he/she will be allowed to do so.**
 - **THERE WILL BE A FIRST COME FIRST SERVE POLICY.**
 - **DO NOT DELAY TO AVOID DISAPPOINTMENT.**

Tour of the technical centurms

- Tour of Technical centurms

(Parents will start in allocated centrum and rotate to all in 10 min intervals – *Please keep to the time intervals*)

9A Woodwork (Ms Mofokeng to D8)

9B Construction (Mr Kleynhans to D7)

9C Civil Services - Plumbing (Me Rossouw to E1)

9D Electronics (Mr Dangiaso to D9)

9E Power Systems (Mr Tekenya to D5)

9F Fitting and Machining (Mr Rantsane to D3)

- * Automotive

- * Welding and Metalwork