

NBTE ACCREDITED • NABTEB CERTIFIED

AVICENNA

INTEGRATED SCIENCE AND TECHNICAL COLLEGE

“...start early, start smart”

SENIOR SECONDARY & TECHNICAL EDUCATION

Admissions Prospectus • National Technical Certificate (NTC) Programme

Growing with your child — from early years to a certified trade.

This prospectus introduces Avicenna Integrated Science and Technical College, the new Senior Secondary and technical arm of Avicenna Childminders Integrated School.

01 WELCOME TO AVICENNA

A trusted foundation, now extended into technical excellence.

Avicenna Childminders Integrated School has provided quality Primary and Junior Secondary education to families in our community for years. Building on that foundation, we are proud to introduce Avicenna Integrated Science and Technical College — our new Senior Secondary level, purpose-built around technical and vocational education.

This is not a new, untested school starting from nothing. It is the next stage of a journey many of our families have already begun with us — now extended so that a child who started with Avicenna at nursery age can continue, without interruption, all the way to a nationally certified trade and a WAEC/NECO-eligible Senior Secondary result.

Our Senior Secondary programme is built around the NABTEB National Technical Certificate (NTC), accredited by the National Board for Technical Education (NBTE). Students combine a full academic General Education curriculum with hands-on training in a trade of their choice — graduating with both a recognised certificate and a marketable, practical skill.

Our Vision

To raise a generation of young Nigerians who leave school not only academically qualified, but immediately employable — equipped with a certified trade, practical confidence, and the entrepreneurial grounding to create their own opportunities.

Our Mission

To deliver rigorous, genuinely hands-on technical education within a small, closely mentored student community — combining strong General Education outcomes with deep, workshop-based mastery of a chosen trade, so every graduate is ready for further study, employment, or self-employment.

02 WHY CHOOSE AVICENNA INTEGRATED STC

- **Dual outcome** — Every student graduates with two things at once: a Senior Secondary result and a NABTEB National Technical Certificate in a chosen trade.
- **Small by design** — Our intake is deliberately kept under 50 students a year, so every student receives close attention from trade instructors and General Education teachers alike.
- **Genuine workshop training** — Students train on real tools and real equipment across dedicated workshop spaces — not just diagrams on a board.
- **Rigorous, purpose-built curriculum** — Every scheme of work is built week-by-week, with specific lesson topics, hands-on practicals, and clear links to General Education subjects — not a generic outline.

- **Industrial exposure where applicable** — Students in trades with a SIWES (Supervised Industrial Work Experience) placement built into the curriculum gain real workplace exposure before graduation; we are working to extend this across every trade.
- **Built-in entrepreneurship** — A dedicated Entrepreneurship component runs through the programme, so students leave understanding how to register a business, price their services, and market themselves — not just how to do the trade.
- **Trades matched to local opportunity** — Our trades were selected to match real, active opportunity in construction, digital technology, and food/agriculture in our community — not chosen arbitrarily.
- **Continuity from JSS** — Students already in our Primary and JSS programme move seamlessly into Senior Secondary with a school and staff they already know.

03 PROGRAMME STRUCTURE AT A GLANCE

The NTC programme blends solid academic grounding with deep, practical trade mastery. The table below summarises how the three years are structured.

Feature	Detail
Duration	3 years, full-time — 3 terms per year (12 weeks teaching + assessment week each term)
Certification	NABTEB National Technical Certificate (NTC), NBTE-accredited trades
Curriculum Split	General Education + Trade/Technical subjects, with industrial exposure built in for trades with a SIWES placement
General Education Subjects	Mathematics, English Language, Physics, Chemistry, Biology, Digital Technologies, Citizenship & Heritage Studies (per the Federal Ministry of Education's current subject combinations; exact mix can vary slightly by trade)
Assessment	Continuous Assessment 40% (projects, tests, assignments) + NABTEB Terminal Examination 60%
Industrial Attachment	Where a trade's curriculum includes a SIWES (Supervised Industrial Work Experience) placement, this runs in the final term, with vetted local employers
Entry Requirement	Minimum age 14; successful completion of Junior Secondary School (JSS3) or equivalent
Annual Intake	Under 50 students, across all trades — kept deliberately small

04 OUR FACILITIES

Electrical & Technical Workshop

Equipped for hands-on training across our electrical and electronics-based trades — from hand tools, measuring instruments (multimeters, oscilloscopes, calipers) and metalwork equipment, to trade-specific hardware such as solar PV panels, charge controllers, batteries, inverters, and electronic-repair diagnostic tools. Every scheme of work is built around genuine practical work in this space, not demonstration alone.

Construction & Masonry Yard

A dedicated outdoor/covered yard for our construction trades — bricklaying, blockwork, concrete production, and plumbing/pipe-fitting practice — with mixing, curing and pipe-jointing stations distinct from the electrical workshop's needs.

Computer Laboratory

Supports both ICT-based General Education and our digital-creative and computer-hardware trades — running industry-relevant software for video editing, audio production, animation and graphic design, alongside standard office and design tools, and hardware for hands-on device-repair practice.

Safety First

All practical workshops follow a structured safety curriculum from Week 1 — covering personal protective equipment, hazard awareness and first aid — before students progress to hands-on tasks. Full PPE (safety boots, overalls, goggles, gloves) is required in all practical sessions.

05 TRADES OFFERED

Avicenna Integrated Science and Technical College offers 10 NBTE-approved trades — the maximum permitted per college — chosen to match real opportunity in construction and building, technology and digital services, and agriculture and food, the active sectors of our local community. All 10 trades are fully developed and ready to receive students now.

Solar PV Installation and Maintenance *(Technology & Digital)*

AVAILABLE

Students learn electrical fundamentals, solar photovoltaic theory, system sizing, panel installation, battery charging and maintenance, and solar thermal technology — building toward the design, installation and maintenance of complete off-grid and hybrid solar systems, one of the fastest-growing skilled trades in Nigeria given the country's power supply context.

Progression: Solar installation technician, renewable energy contractor, further study in Electrical/Electronic Engineering (ND/HND).

Trade-related subjects: *Technical/Electrical & Electronics Drawing, Basic Electricity, General Metal Work.* **Elective:** *Digital Technology*

Catering Craft Practice *(Agriculture & Food)*

AVAILABLE

A hands-on culinary programme covering food preparation, continental and local dishes, food and beverage service, baking and confectionery, and food science and hygiene — developing both kitchen craft and front-of-house service skills.

Progression: Professional chef, caterer, bakery/confectionery entrepreneur, hotel and hospitality careers, further study in Hospitality Management.

Trade-related subjects: *Basic Electricity, General Metal Work.* **Elective:** *Digital Technology*

Social Media and Animation Technology *(Technology & Digital)*

AVAILABLE

Combines social media content strategy and management with 2D/3D animation fundamentals — preparing students to plan, create and manage digital content professionally, and to produce animated work for brands, media and entertainment.

Progression: Social media manager, digital content strategist, junior animator, freelance creator/entrepreneur.

Trade-related subjects: *Basic Electricity.* **Elective:** *Digital Technology*

Fashion Design and Garment Making *(Creative & Applied Trades)*

AVAILABLE

Covers pattern drafting, garment construction, textile knowledge and finishing techniques across menswear and womenswear — building the practical skills behind a career as a designer, tailor, or fashion entrepreneur.

Progression: Fashion designer, tailor/seamstress, garment production, boutique or fashion-house entrepreneur.

Trade-related subjects: *Basic Electricity, Technical Drawing.* **Elective:** *Digital Technology*

Creative Content Production *(Technology & Digital)*

AVAILABLE

A production-focused trade covering photography, cinematography, sound recording, scriptwriting, video editing and industry-standard workflow and data management — using professional free-to-use software including DaVinci Resolve, Audacity and Celtx, so students graduate confident on the same tools used in industry.

Progression: Videographer/photographer, editor, sound recordist, content producer; pathway to Blackmagic DaVinci Resolve and Adobe Certified Professional credentials.

Trade-related subjects: *Basic Electricity*. **Elective:** *Digital Technology*

Welding & Fabrication *(Construction & Building)*

AVAILABLE

Covers arc and gas welding, sheet-metal work, structural steelwork and aluminium fabrication — building the practical skills behind a career in construction, manufacturing and metal-trades entrepreneurship.

Progression: Welder/fabricator, structural steel technician, workshop owner, further study in Mechanical/Production Engineering.

Trade-related subjects: *General Metal Work, Technical/Engineering Drawing*. **Elective:** *Digital Technology*

Electronic Systems Maintenance Craft *(Technology & Digital)*

AVAILABLE

Covers electronic circuit theory, radio, TV and consumer-electronics repair, fault diagnosis and appliance servicing — preparing students to maintain and repair the electronic devices households and businesses depend on daily.

Progression: Electronics repair technician, appliance service engineer, workshop owner, further study in Electrical/Electronic Engineering.

Trade-related subjects: *General Metal Work, Technical Drawings (Electrical/Electronic), Basic Electricity*. **Elective:** *Digital Technology*

Computer Hardware & GSM Repair and Maintenance *(Technology & Digital)*

AVAILABLE

Covers computer assembly and troubleshooting, mobile-phone repair, and device maintenance — a near-zero-marginal-cost trade built on our existing computer lab, with strong self-employment demand in phone and laptop repair.

Progression: Computer/phone repair technician, IT support technician, repair-shop entrepreneur, further study in Computer Engineering.

Trade-related subjects: *Basic Electricity, Technical Drawing*. **Elective:** *Digital Technology*

Plumbing and Pipe Fitting *(Construction & Building)*

AVAILABLE

Covers pipe systems, fittings, water supply and drainage installation, gas installation, and sanitary work — hands-on training in the plumbing skills every residential and commercial building depends on.

Progression: Plumber, pipefitting technician, building-services contractor, further study in Civil/Building Engineering.

Trade-related subjects: *General Metal Work, Technical/Building Drawing*. **Elective:** *Digital Technology*

Brick Laying, Block Laying and Concreting *(Construction & Building)*

AVAILABLE

Covers bricklaying, blockwork, concrete production and structural finishing — building the practical skills behind a career in building construction, one of the most consistently active trades in Southern Nigeria's construction sector.

Progression: Bricklayer/mason, site supervisor, construction contractor, further study in Building Technology/Civil Engineering.

Trade-related subjects: *Technical/Building Drawing.* **Elective:** *Digital Technology*

Subject combinations above follow the Federal Ministry of Education's current Subject Combinations for Technical Colleges; General Education subjects (Mathematics, English Language, Physics, Chemistry, Biology, Digital Technologies, Citizenship & Heritage Studies) apply across all trades and are not repeated per trade above.

06 ADMISSION REQUIREMENTS & PROCESS

Who Can Apply

- Candidates must be a minimum of 14 years old at the point of admission.
- Successful completion of Junior Secondary School (JSS3) or an equivalent qualification is required.
- Students transferring from other schools are welcome, in addition to students progressing from our own Junior Secondary programme.

How to Apply

1. Contact the Admissions Office to request an application form and arrange a facility tour.
2. Submit the completed application form along with the candidate's JSS3 result (or equivalent) and birth certificate/age declaration.
3. Attend an entrance assessment and a trade-interest conversation, to help the student and family choose the right trade.
4. Receive an admission offer confirming the assigned trade and Senior Secondary class.
5. Complete enrolment and fee registration to secure the student's place — places are limited by our small-intake policy.

Tuition & Fees

Avicenna Integrated Science and Technical College is a fee-funded institution. Full tuition and fee information, along with available payment plans, is provided directly by our Admissions Office.

[Please contact the Admissions Office for current tuition fees, payment plans, and application deadlines.]

07 CERTIFICATION & PROGRESSION PATHWAYS

Every graduate leaves Avicenna Integrated Science and Technical College with a NABTEB National Technical Certificate (NTC), recognised across Nigeria, plus practical, employer-ready skill in their chosen trade. From here, graduates can:

- **Work** — Enter direct employment or self-employment in their trade, supported by the entrepreneurship training built into every programme.
- **Further study** — Progress to National Diploma (ND) and Higher National Diploma (HND) programmes at Polytechnics, or degree programmes where the NTC is recognised as an entry qualification.
- **Professional certification** — Where relevant, graduates are encouraged to pursue recognised industry certifications alongside their NTC — for example, Blackmagic Design DaVinci Resolve and Adobe Certified Professional credentials for our Creative Content Production students — to strengthen their portfolio for the job market.
- **Industrial exposure where applicable** — Students in trades with a SIWES placement built into the curriculum gain a real reference and workplace experience before graduation; we are working to extend SIWES placement across every trade offered.

08 ENQUIRIES & CONTACT

We welcome visits from prospective families. Contact our Admissions Office to arrange a facility tour, ask about a specific trade, or begin your child's application.

Address	<i>Opposite Platinum Embassy Specialist Hospital, Dr Abdurrazaq Akindele Street, off Owode-Ede Road Stadium Area , Ede Osun State.</i>
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Email	<i>avicennachildminders@gmail.com</i>
Office Hours	<i>8:00am to 4:00pm Mondays – Thursday 8:00am to 2:00pm on Fridays</i>
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