



How to develop and deliver an ICT strategic master plan

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Digital Citizenship

Digital Literacy

Digital Fluency

ALL SA PUBLIC SCHOOLS ARE SGB GOVERNED

Whether fee paying or no-fee paying



Vastratech

Fostering People Development




*Principal
Software*



Industry leaders with quality solutions

Technology adoption with a blueprint and roadmap



21st
Century learning
and teaching

Our Aim

Learning | E-Learning | e-Learning | (e) Learning | Learning



Tech adoption maturity

One size fits all – NOT

Stakeholder expectations

The Dilemma

Tech adoption complexities

A blurred black and white photograph of a cyclist in the foreground and a car in the background, suggesting motion. The cyclist is wearing a jersey and shorts, leaning forward on the handlebars. The car is a sedan, also blurred.

4wd2gr8
@
TECHing

Forward to Great Tech-Teaching



Our Plan

Roadmap and Blueprint



4wd2gr8 -TECHing

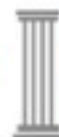
4 FOCUS AREAS

1. Infrastructure
2. Digital administration
3. Digital class
4. Learner devices

2 PILLARS



LEADERSHIP
Vision / Passion
Evaluation



PROFESSIONAL DEVELOPMENT / CPDT
Teacher training
Evaluation

8 ACTIONS

Listening to stakeholders is more important
than keeping up with the neighbours

NAVIGATING THE INFORMATION HIGHWAY



Information Highway

Infrastructure

■ = ENGINE AND SUSPENSION

Class

■ DRIVER = TEACHER
■ CABIN = CLASS

Admin & Finance

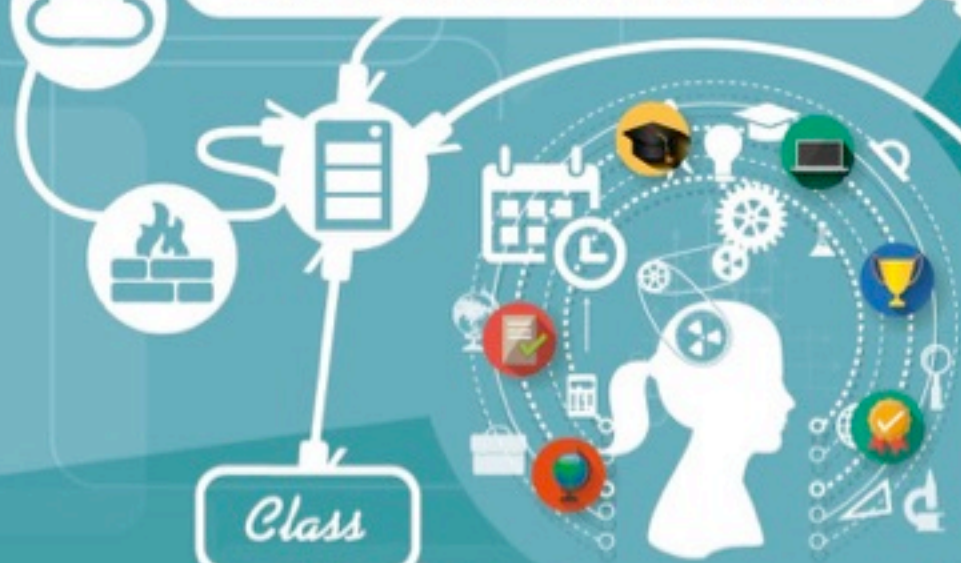
■ DASHBOARD + CONTROLS
■ = FEEDBACK, MANAGEMENT & REPORTING

Learner

■ = PASSENGER



21ST CENTURY LEARNING



Campus

- ACCESS
- BEHAVIOUR
- SOCIAL MEDIA
- SPORTS - SCORE, COMMUNITIES, COACH
- CULTURE - COMMUNICATIONS



Class

TRADITIONAL

- BOOK & PEN
- AUDIO VISUAL
- FACILITATOR GUIDE
- EXERCISES
- ASSIGNMENTS
- RESOURCES



DIGITAL



Office

ADMIN & FINANCE

- DATABASE
- REPORTING
- BEHAVIOUR

- ACADEMICS
- ATTENDANCE
- DISCIPLINE
- MERITS

COMMUNICATION

- SMARTPHONE APP

FINANCE (CASHLESS ENVIRONMENT)

ON CAMPUS

- TUCK SHOP
- BOOK SHOP
- OFFICE
- FIELD TRIP

OFF CAMPUS

- LOCAL VENDOR
- NEIGHBOURING SCHOOLS



FULLY INTEGRATED SOLUTION



Infrastructure

Internet Connection | Local Server
Local Network



Learner

School Devices | Homework & Textbooks
In class devices | BYOD / Flipped Classroom



Admin & Finance

School Administration Software | All devices
Web Based / Networked | Integrated Solution



Class

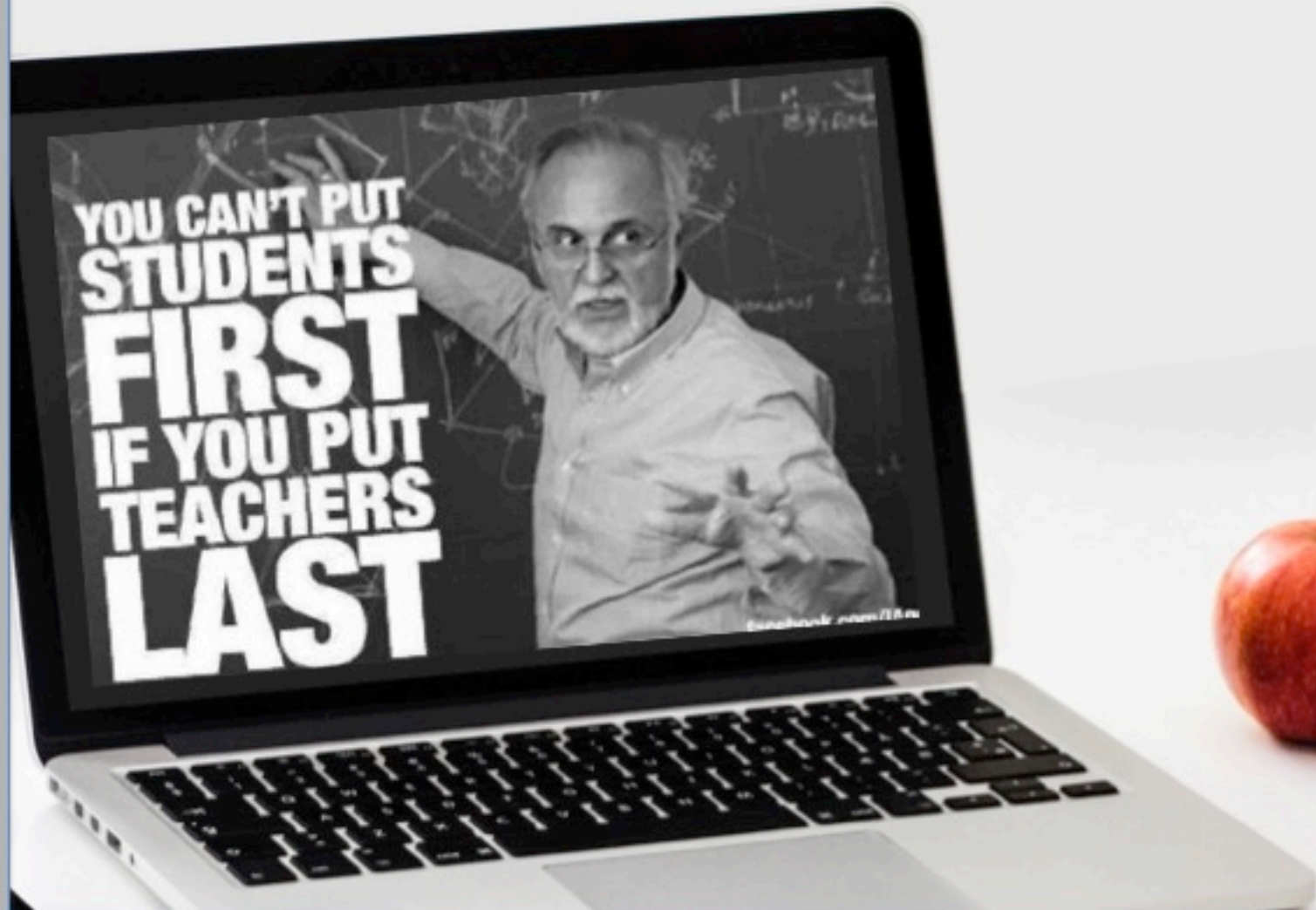
Projector & Screen | IWB
Teacher device | Teaching Platform





LEADERSHIP FOCUS

Strategic management involvement



**Teacher Skills and
Continuous Professional Development**



Infrastructure

Connectivity | Network | Server | Cloud | Security



ADMIN

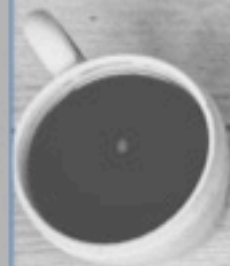
Productivity | School administration |
Finances | Communication | Reporting

Conne



Classroom to

Connected Le



Classroom tools | Teacher



Learner Devices

Consumer devices vs classroom appropriate devices
Grade / Age | Subject matter | Input and /or Output device



Cost and opportunity cost

Technology is expensive –
digital illiteracy is expensive-er

A close-up photograph of a hand writing the words 'learning' and 'schooling' in white chalk on a dark grey chalkboard. The word 'learning' is written on the top line, and 'schooling' is written on the bottom line, separated by a horizontal line. The hand is visible on the left side of the frame, wearing a light-colored sleeve.

learning
schooling

Pedagogy

Personalized learning |
Learning community | Learning environments



Change

Change is as good as a Holiday



Resources

Fedsas.org.za/technology |
[Vastratech](#) | [Principal Software](#) |
Microsoft.com/education | [Google GafE](#)



8 ACTIONS

1. Appoint a champion / leader **#techchampion**
2. Form a team **#techtteam**
3. Master planning **#measuretwicecutonce**
4. Budget **#valueovercost #capexopex**
5. Implement pilot phase **#talkischeap #testing123**
6. Train vs. try **#nopainnogain #olddognewtricks**
7. Manage change **#growingpains #oldhabits**
8. Run (walk before you run) **#21stcenturyteachingandlearning**

Action

Plan your work and work your plan



Technology is not an end in itself...

#meanstoanend



#solutions-
mustnotfall

