

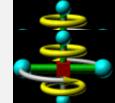
Building on what we Know

Eusebius J. Mukhwana, PhD

Kenya National
Qualifications Authority

Shaping the Future of Kenya



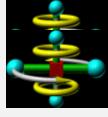


- Website de KNQA: http://www.knqa.go.ke/
- Niveaux du CNC: http://www.knqa.go.ke/index.php/level-descriptors/
- Organigramme de KNQA: http://www.knqa.go.ke/index.php/organogram/
- Loi du CNC du Kenya et Règlementation (2014, 2018):
 http://www.knqa.go.ke/wp-content/uploads/2018/10/KNQF-Regulations-2018.pdf
- Sur l'enregistrement des certifications:
 http://www.knqa.go.ke/index.php/registration-of-qualifications/
- Registre des certifications: http://www.knqa.go.ke/index.php/registered-qualifications/
- Sur l'accreditation: http://www.knqa.go.ke/index.php/accreditation-process/
- Sur l'accreditation institutionnelle:
 http://www.knqa.go.ke/index.php/institutional-accreditation/



The Origins of the KNQF





- The KNQA was established under the KNQF Act of 2014
 & the KNQF Regulations 2018;
- It's the Custodian of all Kenyan qualifications;
- Inter-relationships between them;
- And creates International comparability;
- KNQA defines various qualifications offered in Kenya by:-
 - ✓ The Levels of Qualifications;
 - ✓ The Volume of learning,
 - Learning outcomes, and
 - Admission Requirements



Challenges facing Qualifications



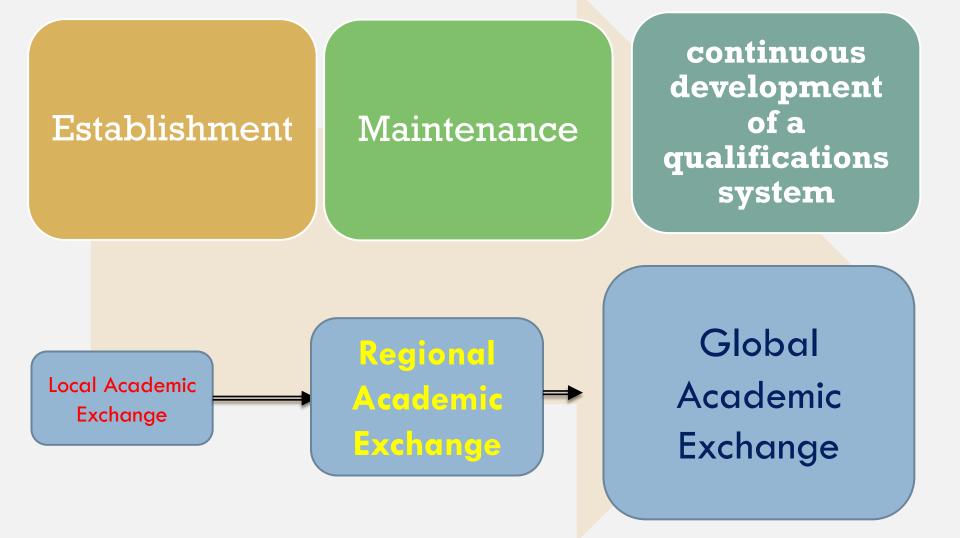
- Lack of a Nationally accepted institutional and program accreditation system and standard(s);
- Lack of a Nationally accepted Quality
 Assurance system and standard(s);
- Lack of a Nationally accepted Examination and/or Assessment system and standard(s);
- Disconnect between Qualifications and actual skill needs in the workplace;
- Poor documentation of who has been awarded which qualification in the country;
- Lack of coherence and fragmentation of our qualifications system;
- Rampant production of fraudulent certificates and/or fake certificates and qualifications;

- Public and private training institutions awarding qualifications for which they have no legal mandate to do so;
- Many sub-standard local and foreign qualifications that do not meet the local standards;
- Lack of nationally accepted admission requirements;
- Lack of integration of curricular for different levels leading to poor progression of students across levels;
- Lack of a nationally accepted Credit accumulation and transfer system (CATs);
- Difficulties in getting international students to study;
- High levels of student drop outs, and road blocks;
- Lack of a central register/inventory of various qualifications; and
- Existing TVET curriculum are provided under various settings which include formal, non-formal and informal with no uniform guidelines;



Sharing Information on Q







Mandate of KNQA



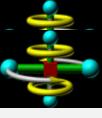


- Establish and Maintains the KNQF;
- Register Institutions;
 - National Qualifications Awarding Institutions (NQAIs);
 - Foreign Qualifications Awarding Institutions (FQAIs);
 - Recognizing and working with Professional Bodies;
- Register Qualifications;
- Certificates of qualifications Equivalence (CoQE);
- Register Learners;
- Policies on Recognition of Prior Learning;
- Credit Accumulation and Transfer Systems;
- Recognition, Equation & Verification of Local & Foreign Qualifications.



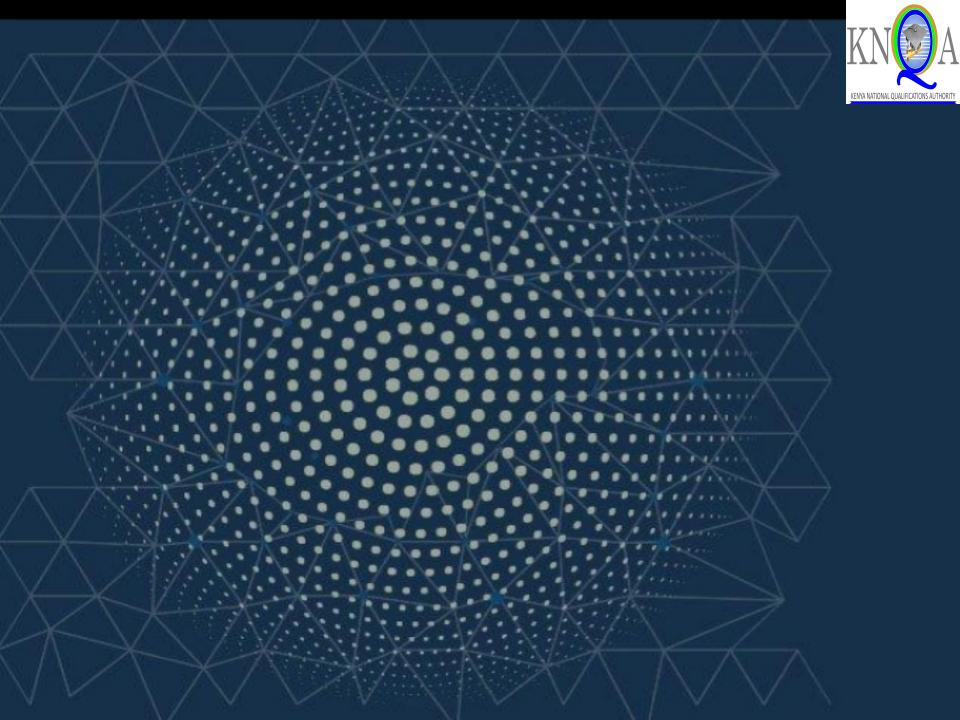
Why KNQA?





KNQA was established to address the following:-

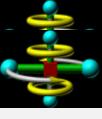
- □ Fragmented qualifications awarded in Kenya;
- □ Skills' mismatch/skill gaps/relevance;
- Rigidity/Lack of clear and standardized progression pathways within & between levels of education;
- □ Failure to recognize other forms of learning;
- □ Need for a transparent, fair, equitable and standardized way of acquiring qualifications;
- Increasing rate of fraudulently acquired academic credentials;
- Deteriorating quality of qualifications;
- Lack of a clear way of regulating foreign qualifications awarded in the country;





KNQA Achievements



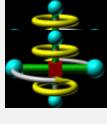


- Standardized Qualifications in Kenya across disciplines and levels;
- □ Provided a level playing ground for all;
- Made is easier to recognize, equate and verify qualifications;
- National accreditation, QA standards;
- □ Promoted internationalization of Kenyan Qualifications;
- Provided a framework for engaging with industry and all other stakeholders;
- □ Made it easier for learners to progress;
- Portability of Qs;



Curriculum & Learning outcomes





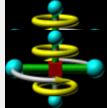
- Coding and classifying Qualifications and QAIs;
- Mapping Qs into the KNQF;
- Developing standards and regulations on Mgt of Qs;
- Setting up a National Accreditation system;
- Establishment and mgt of national and sector skills councils;
- National Quality Assurance Standards and guidelines;
- Policies on National Assessment and Examination system;
- Guidelines for developing National Occupational Standards;
- Linking with industry to ensure relevance of national Qs;





Enablers of the KNQF





- □ Policies, Regulations, Standards and guidelines;
- □ Legislation; (KNQF Act 2014, KNQF Regulations)
- □ Goodwill from the government & the stakeholders;
- □ Enabling ICT environment- automation of services;
- An accepted international growing practice (ACQF, RQFs;
- Realization and producing quality and consistent Qs requires many players, processes and systems;
- Growing need for relevant and Quality Qs;
- □ Increased mobility of learners and workers;;





Consultations...and More Consultations







THE KNQF STRUCTURE

KNQF	Ceneral and	Further Education and I	Fraining Sub-Framework	Notional hours (minimum)
Level		ruither Education and I	Taining Sub-TTainework	,
10	Doctorate Degree			3600 after KNQA level 9
9	Master's degree			2400 after KNQA level 7
8	Post-Graduate Diploma	Professional Bachelor's Degree	Professional Master Craft Person	1200 after KNQA level 7 or 6000 after KNQA level 2
7	Bachelor's Degree		Master Crafts Person –I or Management Professional or HND or CPA III	4800 after KNQA 2 or 2400 after KNQA level 6
6		National Diploma	Master Crafts Person –II/ Professional Diploma or CPA II	2400 after level 2 or 1200 after KNQA level 5
5		National Craft Certificate National Vocational Certificate- IV	Master Craft Person III or CPA I	1200 after KNQA level 2 or 600 after level 4
4	National Vocational Certificate- III/Artisan Certificate		National Skills Certificate –I GTT-I	600 after KNQA level 2 or 300 after level 3
3		National Vocational Certificate-II	National Skills Certificate -II /(GTT – II)	300 after KNQA level 2
2	Secondary Certificat	National Vocational Certificate- I	National Skills Certificate -III /Government Trade Test (GTT-III)	Depending to skills acquisition or Level 1
1	Primary Certificate		Basic Skills/Skills for Life	Birth Certificate

KNQF	Qualification type	Minimum admission requirements
level		
10	Doctorate Degree Qualifications/KNQF level 10	Master degree
9	Master's Degree/Chartered Professional/KNQF	Bachelor's degree with at least 480 credit in a qualification
	level 9	of KNQF level 7 in relevant study area
8	Post Graduate Diploma/ Professional bachelor's	Bachelor's degree with 480 credits in relevant subjects
	degree Diploma/Management Professional/	area or equivalent prior learning experience and / or a
	Professional Master Craft Person	qualification in relevant subject area or 600 credits after
	qualification/KNQF level 8	KNQF level 2
7	Bachelor's Degree/Management	KCSE C+ or equivalent or A level two principals and 1
	Professional/Master Craft Person I Qualifications	subsidiary or equivalent in relevant subjects or CPA II/CPS
		II/CIPS II or equivalent for commerce and art and should
		have attained an aggregate of C- (minus) in KCSE or O-
		level division III or completion of KNQF 6.
6	National Diploma/Professional Diploma/Master	KCSE C- (Minus) or KCE division III, KACE 1 Principal and 1
	Craft Person II Qualifications	Subsidiary or an equivalent qualification or KNQF 5
5	National Craft certificate /National Vocational	KCSE D (plain), KCE Div. III or equivalent qualifications or
	Certificate IV (NVC- IV)/Master Craft Person III	completion of KNQF level 4
4	Artisan Certificate/National Vocational Certificate	Primary level qualification, junior secondary qualification,
	III (VTC- III)/ National Skills Certificate I (NSC	KCSE E, KCE Div. IV, or completion of KNQA level 3
	I)/Government Trade Test I (GTT-I)	
3	National Skills Certificate II (SC II)/ National	Primary Education, junior secondary education, KNQA
	Vocational Certificate II (NVC II)/ National Skills	level 1 &2
	Certificate II (NSC-II) /Government Trade Test II	
	(GTT-II)	
2	Secondary certificate/ National Skills certificate	Primary certificate (KNQF level 1)
	III(NSC-III)/GTT III/NVC I/Pre-Vocational	
1	Primary certificate/C I/Basic Skills/Skills for life	Birth certificate

LEMEN 10: DOCTORATE

Purpose

KNOA ANTIONAL QUALIFICATIONS AUTHORITY

The level qualifies Individuals who apply a substantial body of knowledge to research, investigate and develop new knowledge, in one or more fields of investigation, scholarship or professional practice

Knowledge

Graduates at this level will have:

- •A substantial body of knowledge at the frontier of a field of work or learning including knowledge that constitutes an original contribution
- Substantial knowledge of research principles and methods applicable to the field of work or learning

Skills

Graduates at this level will have:

- •Cognitive skills to demonstrate expert understanding of theoretical knowledge and to reflect critically on that theory and practice.
- •Cognitive skills and use of intellectual independence to think critically, evaluate existing knowledge and ideas, undertake systematic investigation and reflect on theory and practice to generate original knowledge
- •Expert technical and creative skills applicable to the field of work or learning
- •Communication skills to explain and critique theoretical propositions, methodologies and conclusions
- •Communication skills to present cogently a complex investigation of originality or original research for external examination against international standards and to communicate results to peers and the community

LEVEL 10: DOCTORATE

Expert skills to design, implement, analyze, theorize and communicate research that makes a significant and original contribution to knowledge and/or professional practice

KENYA NATIONAL QUALIFICATIONS AUTHORITY

Competence

Graduates at this level will demonstrate the application of knowledge and skills:

- •With intellectual independence
- •With initiative and creativity in new situations &/or for further learning
- •With full responsibility and accountability for personal outputs
- To plan and execute original research
- With the ongoing capacity to generate new knowledge in the context of professional practice

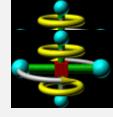
Minimum Volume of learning

The minimum volume of learning is 360 Credits



Our Qualifications Ecosystem





Professional
Bodies
Nursing council;
Council for legal
education etc.

TVET: ΓΑ, CDA

TVETA, CDACC, KNEC, KICD, NITA and Industry

Steering Committees

- 1. For NQF; and
- 2. KNLRD
- 3. CATs
- 4. RPL

Basic Education:

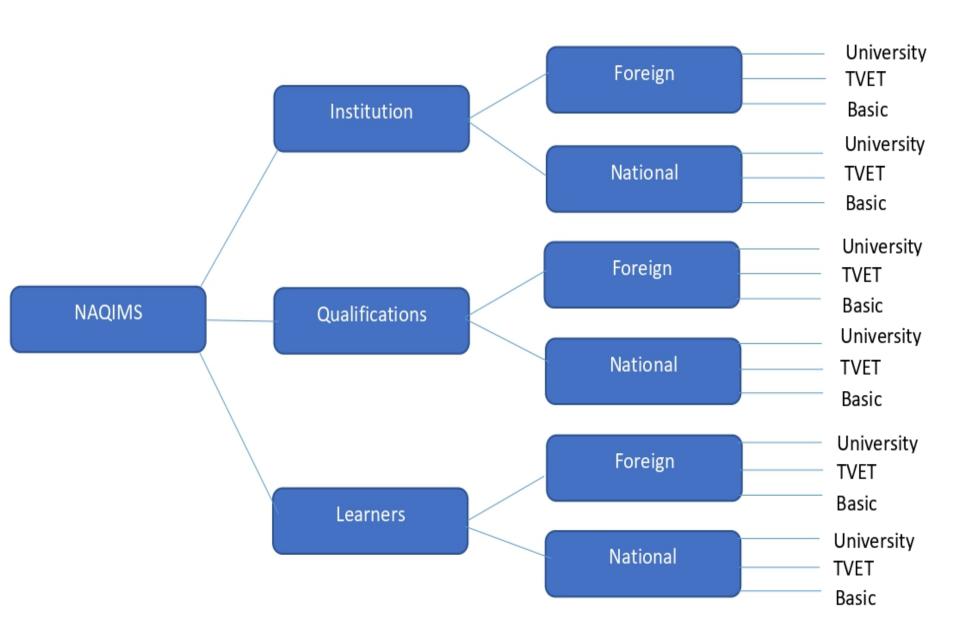
Directorate of Educational Standards and Quality Assurance (ESQAC)

KNQA

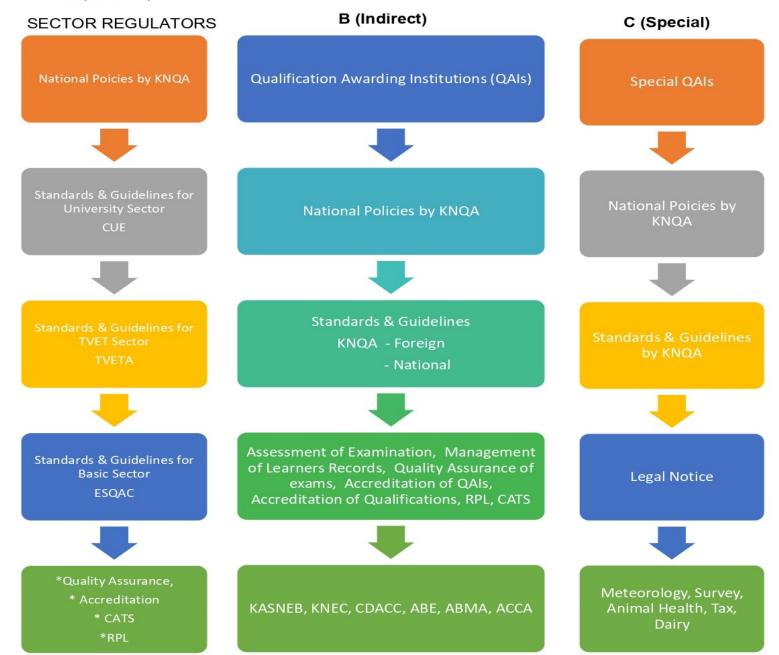
University Education:

Commission for University Education; Universities

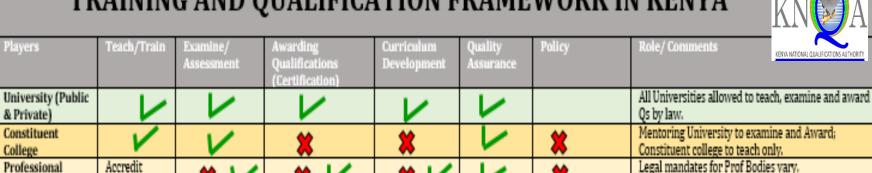
Chapters in a Book; Important Building Block



A (Indirect)



TRAINING AND QUALIFICATION FRAMEWORK IN KENYA



Bodies
CUE
KNQA
College

KNQA

Schools

KICD

C. BASIC

Education

UNIVERSITY

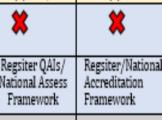


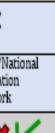
Accredit QAIs/

National Assess

Framework

Accredit





Accredit/National

Accreditation

Framework







National OA

Framework



Qs

Advise on policies

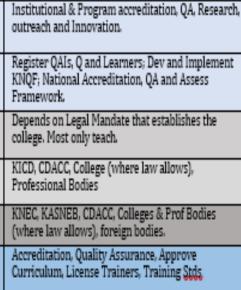
Policy on National

outreach and Innovation.

on University

Education





Register QAIs, Q and Learners; Dev and Implement KNQF; National Accreditation, QA and Assess

Framework.

Teaching & Learning

Curriculum Development

	KNQA	*	National Assess Framework	Accreditation Framework	*	Framework	Qs Qs	KNQF; National Accreditation, QA and Assess Framework
R. TVET	College	۷	*	*	* V	۷	>	Depends on Legal Mandate that establishes the college. Most only teach.
	Curriculum Development	*	*	*	*	*	*	KICD, CDACC, College (where law allows), Professional Bodies
	Examination Body	*	۷	۷	* /	*	*	KNEC, KASNEB, CDACC, Colleges & Prof Bodies (where law allows), foreign bodies.
	TVETA	Accredit	*	*	Approve for Training	V	Advise on TVET policy	Accreditation, Quality Assurance, Approve Curriculum, License Trainers, Training Stds,
	Professional Body	Accredit	* ~	*V	*V	V	*	Accreditation, Quality Assurance, examine (where law allows), License

Approve for KNQF







Example of Register entry Bachelor of Biomedical Sciences



Number: 00412

Subject/Classification Medical Studies

Organisation University of xxxx

Qualification type Bachelor Degree

Level 7

Credit 480

Entry Requirements Kenya University entrance qualification or equivalent

Outcome statement A solid grounding in the principles

underlying important areas of modern

biological and medical research

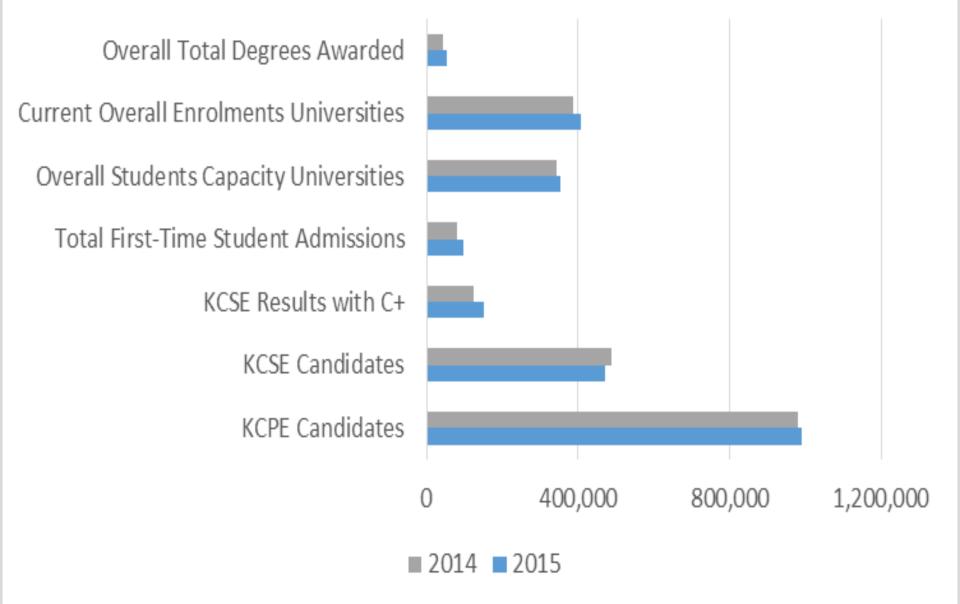
Qualification developer University of xxx

Quality assurance body Commission for University Education

ContentBiomedical Sciences, Biotechnology, Anatomy, Biochemistry, Drugs and Human Health, Genetics, Human Biology, Human Nutrition, Human Reproduction, Infection and Immunity, Immunology, Microbiology, Pathology, Pharmacology, Physiology

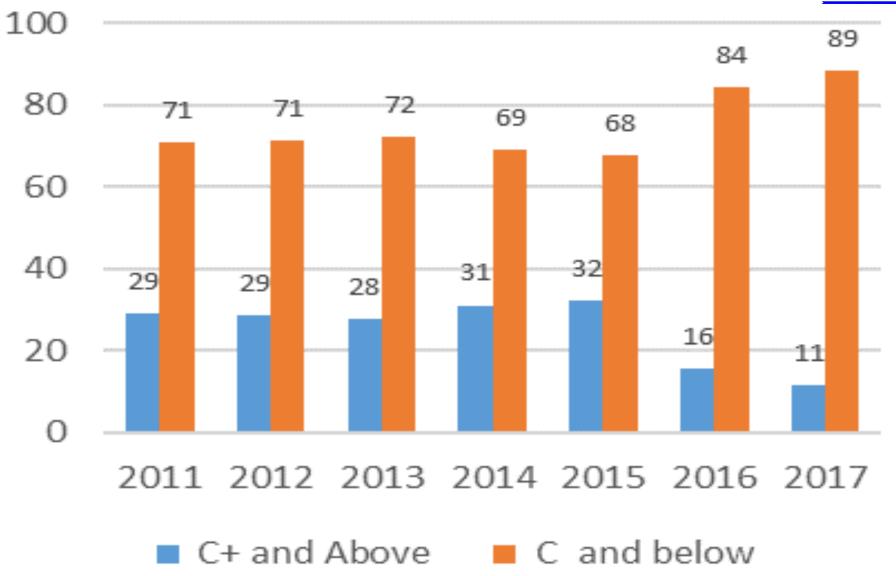
Snapshot of Kenyan University Education





(a) Performance in KCSE, Percent

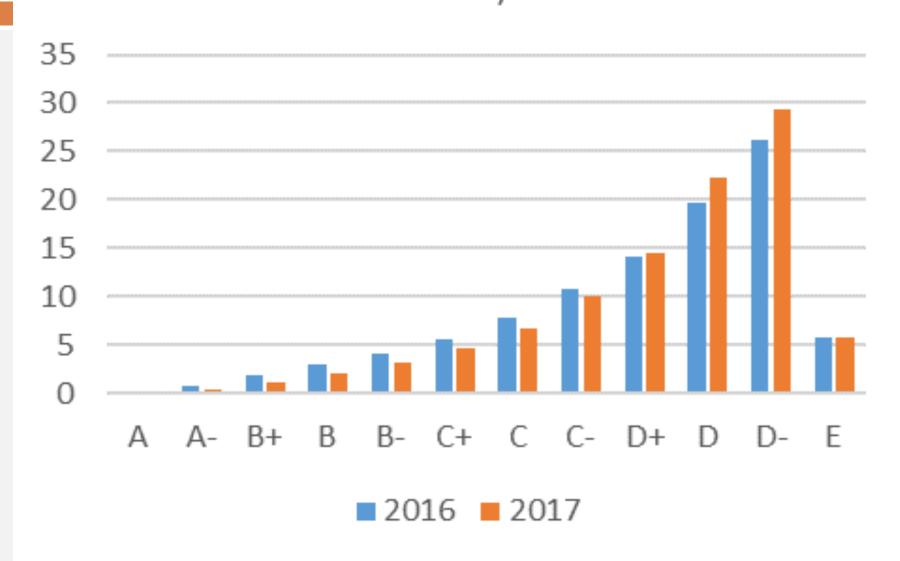














Enhancing Credibility of Qualifications





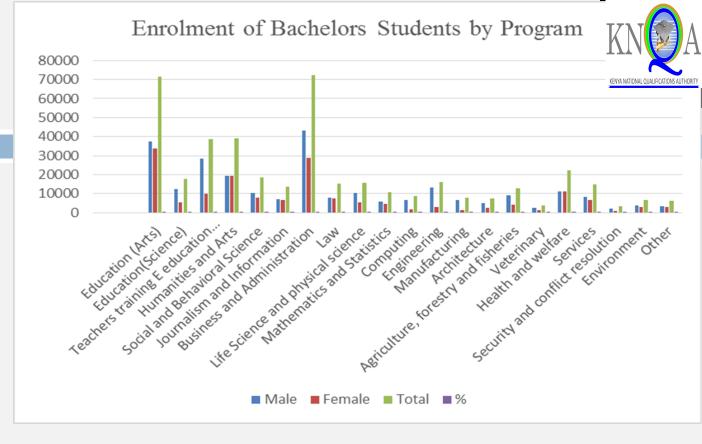
- □ Local
 - Training providers are accredited (CUE, ESQAC, TVETA);
 - Program accredited in the institutions training for the Q (CUE, TVETA, ESQAC);
- The Student meets the minimum entry requirement (KNQA);
 - Awarding institution has legal mandate to award Q;
 - Awarding Institution (and Q)
 Accredited by KNQA (KNQA);
- Volume of learning is sufficient for the level (KNQA);

List of Graduates submitted to KNQA;

- □ Foreign
- Registered on home NQF;
- Certificate of Q Equivalence (KNQA);
- Training Providers are accredited to train the Q (CUE, TVETA, ESQAC);
 - Program is accredited to the training providers (CUE, TVETA, ESQAC);
- List of graduates submitted to KNQA;



Celebration Time





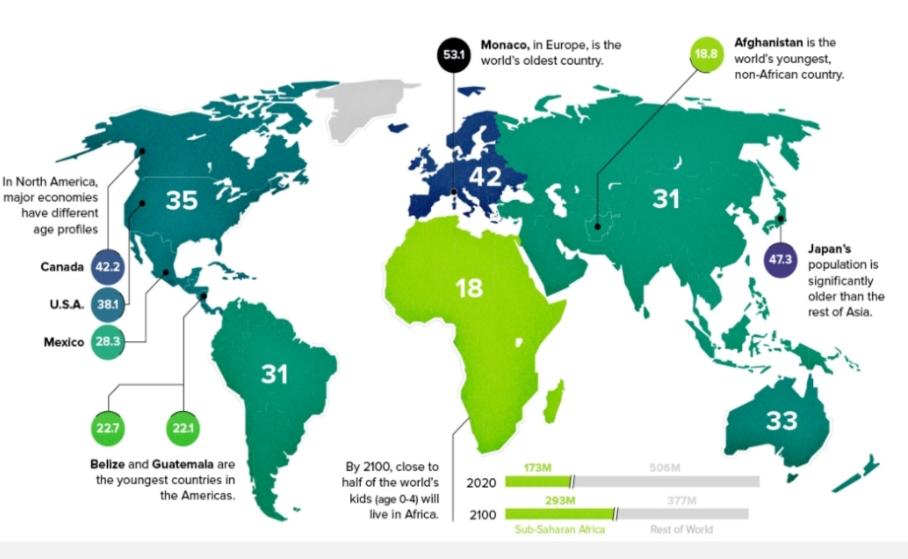
THE MEDIAN AGE OF CONTINENTS

Africa has the world's youngest population, with a median age in the teens



MEDIAN AGE

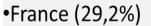




		Inbound students (2017)	Increase over 2016 (%)
1	United States	1,078,822	3.4%
2	United Kingdom	501,045	0.9%
3	China	442,773	11.4%
4	Australia	327,606	12.1%
5	France	323,933	4.6%
6	Canada	312,100	18.3%
7	Russia	296,178	4.7%
8	Germany	251,542	6.6%
9	Japan	171,122	12.5%
10	Spain	94,962	24.9%

Currently the most popular countries

African students are:



•South Africa (15,1%)

•Britain (9,7%)

United Stated (9,7%)

•Germany (4,7%)

•Malaysia (3,9%)

•Canada (2,9%)

•Italy (2,0%)

•Australia (2,0%)

•Morocco (1,8%)

•Angola (1,7%)

The top countries of origin for African students studying abroad are:

Morocco (11,3%) Nigeria (10,2%) Algeria (5,9%) Cameroon (5,3%) Zimbabwe (5,2%)

Tunisia (5,1%) Kenya (3,5%)

Senegal (3,1%)

Egypt (3,1%)

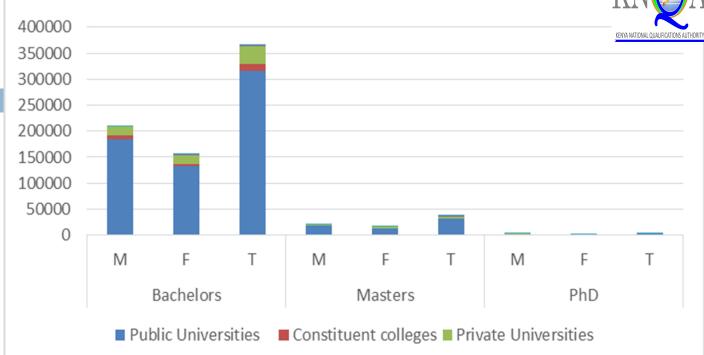
Botswana (2,3%





Matters get Complicated

Enrolment of students in Universities







Travelling in Different directions

Popular programs at Universities

- 1. Business/Administration-17.1%
- 2. Education (arts)-16.8%
- 3. Humanities and Arts-9.2%
- 4. Teacher Education/Edu science-9.1%
- 5. Health and welfare-5.3%

- Highest growth economic sectors in 2013*
- 1. Construction 13.5%
- 2. Finance and insurance 9.9%
- 3. Human health / Social work 8.9%
- 4. ICT 8.3%
- Water supply, sewer treatment
 7.7%





Pillars of an Education System





Relevance

Quality

KENYA NATIONAL EXAMINATION COUNCIL

Name of the detailed field of

Analysts

Name of the detailed field of	KNQA Detailed field of study	KNQF Level	Programme	Level	Code of the Education
study according to the		` -	orientation/typ	completion	programme (8-digits)-
Certified Public Accountants (K)	0411 Accounting and taxation	07-Bachelor's Degree/Management	T -Tvet Sector	4	041107T4
		Professional/Master Craft Person I			
Certified Public Accountants Iii	0411 Accounting and taxation	06-National Diploma/Master Craft	T -Tvet Sector	4	041106T4
		Person II/Professional Diploma			
Certified Public Accountants II	0411 Accounting and taxation	06-National Diploma/Master Craft	T -Tvet Sector	4	041106T4
		Person II/Professional Diploma			
Certified Public Accountants I	0411 Accounting and taxation	05-National Craft certificate	T -Tvet Sector	4	041105T4
		/National Vocational Certificate IV			
Certified Secretaries (K)	0413 Management and	07-Bachelor's Degree/Management	T -Tvet Sector	4	041307T4
	administration	Professional/Master Craft Person I			
Certified Secretaries (III)	0413 Management and	06 -National Diploma/Master Craft	T -Tvet Sector	4	041306T4
	administration	Person II/Professional Diploma			
Certified Secretaries (II)	0413 Management and	06 -National Diploma/Master Craft	T -Tvet Sector	4	041306T4
	administration	Person II/Professional Diploma			
Certified Secretaries (I)	0413 Management and	05 -National Craft certificate	T -Tvet Sector	4	041305T4
	administration	/National Vocational Certificate IV			
Certified Information	0610 Information and	06 -National Diploma/Master Craft	T -Tvet Sector	3	061006T3
Communication Technologists	Communication Technologies (ICTs)	Person II/Professional Diploma			
Certified Information	0610 Information and	06 -National Diploma/Master Craft	T -Tvet Sector	4	061006T4
Communication Technologists	Communication Technologies (ICTs)	Person II/Professional Diploma			
Certified Information	0610 Information and	06-National Diploma/Master Craft	T -Tvet Sector	4	061006T4
Communication Technologists	Communication Technologies (ICTs)	Person II/Professional Diploma			
Certified Information	0610 Information and	05-National Craft certificate	T -Tvet Sector	4	061005T4
Communication Technologists	Communication Technologies (ICTs)	/National Vocational Certificate IV			
Certified Investment and Financial	0412 Finance, banking and insurance	06 -National Diploma/Master Craft	T -Tvet Sector	3	041206T3
Analysts		Person II/Professional Diploma			
Certified Investment and Financial	0412 Finance, banking and insurance	06 -National Diploma/Master Craft	T -Tvet Sector	4	041206T4
Analysts		Person II/Professional Diploma			
Certified Investment and Financial	0412 Finance, banking and insurance	06 -National Diploma/Master Craft	T -Tvet Sector	4	041206T4

Person II/Professional Diploma

Programme

Level

Code of the Education

JARAMOGI UNIVERSITY

0731 Architecture and town planning

0413 Management and administration

0114 Teacher training with subject sp

0112 Training for pre-school teachers

0114 Teacher training with subject sp

1015 Travel, tourism and leisure

0416 Wholesale and retail sales

0542 Statistics

0419 Business and administration no

0610 Information and Communication

0811 Crop and livestock production

0811 Crop and livestock production

0811 Crop and livestock production

0510 Biological and related sciences

0612 Database and network design ar

0799 Engineering, manufacturing and

0811 Crop and livestock production

0811 Crop and livestock production

0812 Horticulture

1021 Community sanitation

university

Bachelor of Arts in Spatial Planning

Bachelor of Education (Arts) with IT

Bachelor of Education (Science) with IT

Bachelor of International Tourism Management

Bachelor of Logistics and Supply Chain Management

Bachelor of Science (Business Information Systems)

Bachelor of Science in Actuarial Science with IT

Bachelor of Science in Agribusiness Management

Bachelor of Science in Animal Science

Bachelor of Science in Food Security

Bachelor of Science in Horticulture

Bachelor of Science in Public Health

Bachelor of Science in Soil Science

Bachelor of Science in Biological Sciences

Bachelor of Science (Information Communication Techno

Bachelor of Science in Community Health and Developm

Bachelor of Science in Computer Security and Forensics

Bachelor of Science in Construction Management

Bachelor of Business Administration with IT

Bachelor of Education (Early Childhood Development)

Bachelor of Education (Special Needs Education) with IT 0114 Teacher training with subject sp

Bachelor of Science in Agricultural Education and Extens 0811 Crop and livestock production

Bachelor of Science in Renewable Energy Technology ar 0712 Environmental protection technology

Name of the detailed field of study according KNQA Detailed field of	KNQF_Level	Programme	Level completion	Code of the Education
to the national nomenciature or your		orientation/type	and access to higher	programme (8-digits)-
study				

07-Bachelor's Degree/Management

KNQA level/Position

5

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KNOF-P

073107U5

041307U5

011407U5

011207U5

011407U5

011407U5

101507U5

041607U5

041907U5

061007U5

054207U5

081107U5

081107U5

081107U5

081107U5

051007U5

061207U5

079907U5

081107U5

081207U5

102107U5

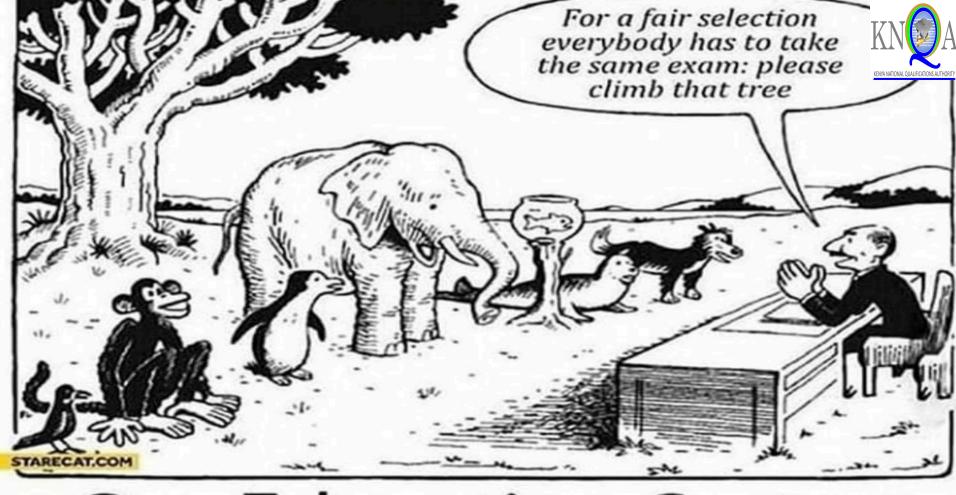
071207U5

081107U5

of education

U- Universities

UNIVERSITY	ABBREVIATIONS	UNIVERSITY CODES
University of Nairobi	UON	301
Moi University	MU	302
Kenyatta University	KU	303
Egerton University	EGU	304
University of Eastern Africa, Baraton	UEAB	305
Catholic University of Eastern Africa	CUEA	306
Daystar University	DAYU	307
Scott Christian University	SCU	308
United States International University	USIU	309
St. Paul's University	SPU	310
Pan Africa Christian University	PACU	311
Africa International University	AIU	312
Kenya Highlands University	KHU	313
KAG - EAST University	KAGEU	314
Africa Nazarene University	ANU	315
Hekima University College	HUC	316
Jomo Kenyatta University of Agriculture and Technology	JKUAT	317
Kenya Methodist University	KEMU	318
Tangaza University College	TAUC	319
Maseno University	MASU	320
Kabarak University	KABU	321
Strathmore University	SU	322
Marist International University College	MIUC	323
Aga Khan University	AKU	324
Kiriri Women's University of Science and Technology	KWUST	325
Great Lakes University of Kisumu	GLUK	326



Our Education System

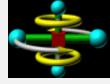
"Everybody is a genius. But if you judge a fish by its ability to climb a tree, it will live its whole life believing that it is stupid."

- Albert Einstein

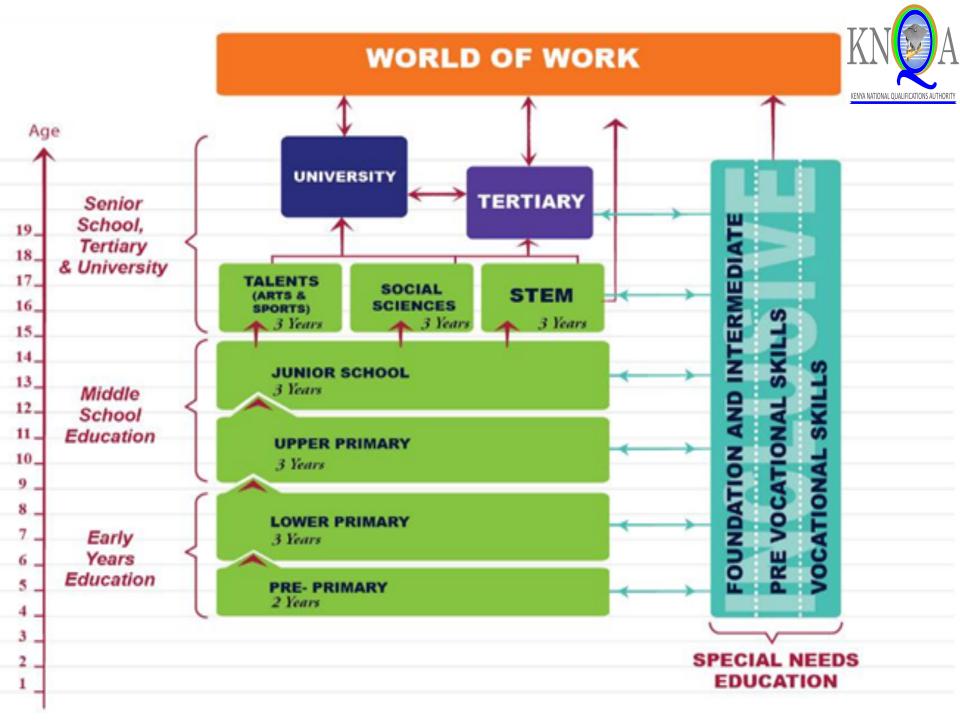


Education Systems in East Africa



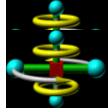


Country	Structure	Primary	Secondary			Total Before University	Minimum University	Total Education	
			Lower Upper Advanced Total						
1. Burundi	9-3-3	9	-	-		3	12	3	15
2. Kenya	8-4-4	8	-	-	-	4	12	4	16
	(2-6-6-3)	(6)	(3)	(3)	•	(6)	(12)	(3)	(15)
3. Rwanda	6-3-3-4	6	3	3	•	6	12	4	16
4. Tanzania	7-4-2-3	7	•	•	2	6	13	3	16
5. Uganda	7-4-2-3	7	•	•	2	6	13	3	16





Regional QF



- Currently within IGAD region we have two more established frameworks; the EAQF and the KNQF;
- The EAQF is mostly for higher education; not well understood, not promoted;
- Our experience is that there is need to integrate basic as well (make 70% of the users of the system);
- We are lacking behind other regions of Africa e.g SADC; AQVN
- Administration of REQ at the EAC has been difficult since different components domiciled in different institutions;
- In Countries such as Rwanda, Uganda, Tanzania, domiciled in different institutions; not well guided... Need a guiding force
- No effort to align NQF with the RQF...
- □ Finding space to operate in country can be a challenge
 - Recommend: a 10 level Qf in line with Kenya Given the efforts invested.

In Country goodwill

Networking and Collaboration

Alignment with Regional QFs

Appropriate laws and policies



Matching Forward



Thanks for Listening



