



**UNIVERSITY OF NAIROBI
SCHOOL OF EDUCATION
COLLEGE OF EDUCATION AND EXTERNAL STUDIES**

DEPARTMENT OF EDUCATIONAL COMMUNICATION AND TECHNOLOGY

2012 ANNUAL REPORT

1. The Department of Educational Communication & Technology is one of the four Departments in the School of Education in the College of Education & External Studies. This Department of Educational was established in 1972 as a component of the Faculty of Education. It was located in the Education Building at main campus. The department was re-located to the College of Education and External studies in 1988 upon re-establishment of the Faculty of Education. The role of the Department is to equip students of education with knowledge, competencies, orientation and ability to carry out effective teaching. The Department transforms students into teachers by offering courses in general methods of teaching, subject methods, educational technology, production of teaching and learning resources and media, micro-teaching and teaching practice.

2. **COURSES OFFERED**

The department has launched courses in Early childhood Education, which are taken by students at diploma degree, and Master's levels.

PROGRAMMES OFFERED

- Diploma in Education (Early Childhood Education)
- Bachelor of Education (Early Childhood Education)
- Master of Education (Early Childhood Education)
- Doctor of Philosophy (PHD) in Early Childhood Education

Diploma in Early Childhood Education has the following units:

First Semester units:

- TEC 001 Foundations of Early Childhood Education
- TEC 003 Child growth, development and learning in Early Childhood Education
- TEC 005 Administration and Management of Early Childhood Education
- TEC 007 Health, Care and Nutrition in Early Childhood Education
- TEC 009 Child guidance and counseling in Early Childhood Education

Second Semester Units

- TEC 002 Early Childhood Education Curriculum
- TEC 004 Instructional Methods and Media in Early Childhood Education
- TEC 006 Early Childhood Education and Environment
- TEC 008 Language in Early Childhood Education
- TEC 010 Mathematics in Early Childhood Education

Third Semester Units

- TEC 011 Science in Early Childhood Education
- TEC 013 Social Studies in Early Childhood Education
- TEC 015 Development trends in Early Childhood Education
- TEC 017 Creative Arts and Music in Early Childhood Education
- TEC 019 Physical Education in Early Childhood Education
- TEC 021 Educational Research Methodology

Fourth Semester Units

- TEC 012 Teaching Practice, (equivalent two units)

TEC 118 Research project, (equivalent two units)

Degree of Bachelor of Education in Early Childhood Education has the following units:

LEVEL1 First semester

Unit number Title of the unit

TEC 101 General psychology of education
TEC 103 Child development: prenatal to infancy (birth - 3 years)
TEC 105 Historical Foundations of early childhood education
TEC 107 Sociological Foundations of early childhood education
TEC 109 Food and nutrition for preschool
TEC 111 Administration and supervision of a pre-school
TEC 113 Communication skills

LEVEL 1 Second semester

TEC 102 Child development: early childhood (3-6 years)
TEC 104 Child development: middle childhood (6-9 year)
TEC 106 Philosophical Foundations of early childhood education
TEC 108 Health and safety for preschool
TEC 110 Curriculum development for pre-school
TEC 112 Child rights and welfare

LEVEL 2 First Semester

Unit number Title of the unit

TEC 201 Classroom pedagogy
TEC 203 Language development
TEC 205 Music for pre-school
TEC 207 Science for pre-school
TEC 209 Religion and pre-school

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| TEC 211 | Social studies for pre-school |
| TEC 213 | Fundamentals of development and its application to Kenya |

LEVEL 2 Second Semester

| Unit number | Title of the unit |
|--------------------|------------------------------------|
| TEC 202 | Children with special needs |
| TEC 204 | Art and craft for pre-school |
| TEC 206 | Mathematics for pre-school |
| TEC 208 | Literature for pre-school |
| TEC 210 | Physical education and pre-school |
| TEC 212 | Instructional media and technology |

LEVEL 3 First Semester

| Unit number | Title of the Unit |
|--------------------|--|
| TEC 301 | Instructional resources development |
| TEC 303 | Motivation and emotion |
| TEC 305 | Methods of teaching science |
| TEC 307 | Methods of teaching music |
| TEC 309 | Methods of teaching Social studies |
| TEC 311 | Methods of teaching physical education |
| TEC 313 | Practicum |

LEVEL 3 Second Semester

| Unit number | Title of the Unit |
|--------------------|---------------------------------|
| TEC 302 | Human learning and motivation |
| TEC 304 | Guidance and counseling |
| TEC 306 | Methods of teaching mathematics |
| TEC 308 | Methods of teaching language |
| TEC 310 | Methods of teaching art & craft |

TEC 312 Environmental studies and early childhood education

LEVEL 4 First Semester

| Unit number | Title of the unit |
|--------------------|--|
| TEC 401 | Family studies and early childhood education |
| TEC 403 | Drug culture and early childhood education |
| TEC 405 | Community mobilization and early childhood education |
| TEC 407 | Computer literacy |
| TEC 409 | Human resources and development |
| TEC 411 | Research project (equivalent to 2 units) |
| TEC 413 | Technology and early childhood education (Elective) |
| TEC 415 | Gender studies and early childhood education |

LEVEL 4 Second Semester

| Unit number | Title of the unit |
|--------------------|--|
| TEC 402 | Children at risk and early childhood education |
| TEC 404 | Child advocacy in early childhood education |
| TEC 406 | Educational statistics |
| TEC 408 | Educational research in early childhood education |
| TEC 410 | Teaching practice – (equivalent to 2 units) |
| TEC 412 | Children's behavior problems |
| TEC 414 | Educational management and planning for pre-school |
| TEC 416 | HIV/AIDS and children in Kenyan context |

Degree of Master of Education in Early Childhood Education has the following units:

Core course units

Semester 1

| CODE | TITLE | HOURS |
|---------|---|-------|
| TEC 601 | Theoretical perspectives of early childhood education | 60 |
| TEC 603 | Special education needs | 60 |
| TEC 605 | Statistics for educational research | 60 |
| TEC 607 | Pedagogy and early childhood education | 60 |
| TEC 609 | Child development | 60 |

Semester two

| CODE | TITLE | HOURS |
|---------|--|-------|
| TEC 602 | Learning in early childhood | 60 |
| TEC 604 | Research methods in education | 60 |
| TEC 606 | Family life studies | 60 |
| TEC 608 | Contemporary and legal issues in early childhood | 60 |
| TEC 610 | Media and early childhood development | 60 |

Elective course units

Semester three

| CODE | TITLE | HOURS |
|---------|---|-------|
| TEC 611 | Principles of management, supervision and early childhood education | 60 |
| TEC 612 | Curriculum development and implementation | 60 |
| TEC 613 | Language and early childhood development | 60 |

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|---------|---|----|
| TEC 614 | Science, mathematics and early childhood | 60 |
| TEC 615 | Social studies, religion and early childhood education | 60 |
| TEC 616 | Creative arts, physical education and early childhood development | 60 |
| TEC 617 | Health, food nutrition and early childhood education | 60 |

Research/Project

Semester four

| CODE | TITLE | HOURS |
|---------|---------|-------|
| TEC 640 | Project | 240 |
| TEC 650 | Thesis | 360 |

3. **ENROLED STUDENTS IN UNDERGRADUATE AND POSTGRADUATE**

PROGRAMMES

- B.Ed ECE Regular - 94 Students
- B.Ed ECE Module II – 238 Students
- M.Ed ECE – 89 Students
- PHd ECE – 9 Students

4. **INTERNATIONAL STUDENTS COMPONENT**

The Department of Educational Communication and Technology has 2 students from Turkey taking B.Ed (ECE).

5. **RESEARCH INTERESTS AND INTERNATIONAL LINKS AND COLLABORATION**

Early Grade Reading Instruction Curriculum (EGRIC) program is a two-year project fully sponsored by USAID. The project aims to develop the capacity of teachers using high quality,

multi-genre, culturally relevant and age-appropriate instructional materials and resources in English and Kiswahili. EGRIC hopes to complement and fill an existing gap in teacher education through equipping teachers with reading, knowledge and skills to enhance reading literacy in pre-unit upto standard 3.

6. PUBLICATIONS

| AUTHOR | DATE | TITLE | PUBLISHER | PLACE OF PUBLICATION |
|-------------------------------------|-------------|--|--|---|
| Paul Odundo & Samson Gunga | 2013 May | Effects of Application of Instructional methods on Learner Achievement in Business Studies in Secondary Schools in Kenya | International Journal of Education and Research. Vol. 1 No. 5 www.ijern.com | Kenya |
| Paul A. Odundo | 2011 | Effects of Mass University Enrolment on Non-Academic Activities: The Case of university of Nairobi, Kenya, , University of Nairobi | Kenya Journal of Education Planning Economics & Management ISSN 2074-5400 | Kenya |
| Paul A. Odundo | 2011 | Instructional Methods in Business: Learner preference and achievement | LAP LAMBERT Academic Publishing GmbH & Co. KG ISBN:978-3-8465-1508-2 | Kenya |
| Paul A. Odundo Jessica A. Ogombe | 2011 | Information Based Approaches As Interventions Against HIV/Aids Stigma and Discrimination In Selected Public Secondary Schools In Winam Division, Kisumu East District, Nyanza, Kenya | The Fountain Journal of Educational Research Vol. V, No. 1, 2011, School of Education, University of Nairobi | Kenya |
| Paul A. Odundo, Charles M. Rambo | 2010 | Socio-Economic Empowerment of Women Through Micro-Finance: A comparative Assessment of Funded and unfunded Women in Kisumu District, Kenya | International Journal of Disaster Management and Risk Reduction Vol. 2. No. 2 ISSN: 1992-2744 | Kenya |
| Gatumu, Jane C. | 2012 | Womens participation in Miraa (Khat) business and the academic performance of primary school children in Runyenjes Division, Embu, Kenya | International Journal of Humanities and Social Sciences | Kenya |
| Juliet Muasya | 2012 | <i>Health and Safety for Preschools.</i> | Centre of Open and Distance Learning (ODEL) | College of Education & External Studies |

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| Dr. Agnes Kibui | 2013 | Determinants of the girls child participation in secondary school education in Central Division of Mandera East District Kenya | The Fountain Journal of Educational Research | Kenya |
| | 2012 | Reading and Comprehension in the African Context: A cognitive enquiry | Zapf Chancery Publishers African Ltd. | |
| | 2012 | TEC 108 – Health and Safety for Preschools | Centre of Open and Distance Learning (ODEL) | College of Education & External Studies |
| Digolo O.O. | 2013 | Teaching Practice: Theory and Practice. | Afrovision Publishers | Nairobi |
| Digolo O.O. | 2012 | Pedagogy in Early Childhood Education | Centre for Open and Distance Learning | College of Education & External Studies |
| Digolo O.O. Inyega J.O. | 2012 | University Academics Re-examine their pedagogical and people-skill: Insights from capacity-building inservice program in Kenya. | The Fountain: Journal of Educational Research School of Education | University of Nairobi publication No. ISSN: 2079-3383. |
| Dr. John Mwangi | 2011 | Certification Program for Scheme Trustees and Sponsors | Association for Retirement Benefits Schemes | Nairobi |
| | 2013 | Administration and Supervision in early Childhood Education | Centre for Open and Distance Learning | College of Education & External Studies |
| Dr. John Mwangi | 2012 | Motivating University Students | Centre for Open and Distance Learning | College of Education & External Studies |
| | | Program development for Kenya Anglican University | Unpublished | Nairobi |
| | | Pedagogical challenges in the teaching of Business Studies in Kenyan Secondary Schools | Ongoing | Nairobi |
| Mrs. Teresia Kazungu | 2012 | TEC 102: Child Development- Early Childhood (3-9Years) | Centre for Open and Distance Learning | College of Education & External Studies |
| Origa Japheth O., Muthoni David Mutahi, Gunga Samson Okuro & Mutahi Irene Wairimu | 2013 | Strategies influencing Competence in Soft Skills Development through Mathematics in Technical institutions in Kenya. | International Journal if Innovative Research & Studies | Kenya |
| Origa, Japheth Gatumu, Jane C., | 2012 | Kenya Preschool Curriculum on Environmental Conservation by young | International Journal of Early Childhood | Kenya |

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|---|------|--|--|---|
| & Miringu, Eunice | | Children. | Education & Care | |
| Evanson M. Muriithi, Samson O. Gunga: Lewis M. Ngesu: Atieno Kili K'Odhiambo:Lydia N. Wachira | 2013 | School Characteristics, Use of Project Method and Learner Achievement in Physics Women's Contributions to the Philosophy of Education: Hermeneutics of Proverbs | Journal of Education and Practice International Journal of Education and Research | U.S.A Australia |
| Evanson M. Muriithi | 2012 | Curriculum for Early Childhood Education | Centre for Open and Distance Learning | College of Education & External Studies |
| | 2011 | The learning of sciences among the physically handicapped students – journal | Educational Management Society of Kenya | Kenya |
| Inyega, Hellen N.; and Inyega Justus O. | 2011 | Learning to read and reading to learn: A practical teacher's guide Nairobi. | Riverbrooks Communications Network | Kenya |
| Inyega Justus O. | 2011 | Teachers' practices and experiences following professional development: A Kenya Multi-site analysis. | Saarbrocken, Germany | Germany |
| Inyega Justus O.; Gatumu, Jane C.; Inyega Hellen N. | 2011 | Teaching Practice experiences: Invaluable insights from video cases in Kenya | The Fountain Journal of Educational Research | Kenya |
| Digolo, Patrick O., Inyega Justus O., and Inyega Hellen N. | 2011 | University academics re-examine their pedagogical and people-skills: Insights from capacity-building in-service programme in Kenya. | The Fountain: Journal of Educational Research | Kenya |

6. **CONSULTANCIES**

Dr. Paul Amollo Odundo

- National Coordinator offering Technical Assistance on Sustainable Institutionalization of the Kenyan Health Sector Dynamic Costing Model (DCM); Establishing Centre for Health Economics and Costing by EPOS Health Management from 2012 to date – Kenya.
- Conducting a study on End-term evaluation of the Kenya floods appeal and operation 2010 project to establish the impact of mitigation of floods – related disasters in Kenya and document lessons learnt for training on disaster preparedness and response by Kenya Red Cross from August 2011 to January 2012.
- Consultant/trainer in a study conducted on corporate governance in Kenyan education and Health sectors, including capacity building training for stakeholders by Centre for Corporate Governance (CCG) from

February 2011 to June 2011.

- Consultant in a study undertaken on the strengthening of the Cost Sharing Strategy in the Health Sector of Gedo Region; Mid-Term Evaluation of the Integrated Health Outreach Project (IHOP) in Garba Tulla District, Upper Eastern Region of Kenya by Kenya Red Cross from May 2011 to April 2011.
- Lead Consultant in the end of projects evaluations of the following projects: Women's Voices and Children's Rights in Siaya County. Citizen Monitoring to Reduce Stigma and Discrimination, and Improve Access to and Quality of HIV-related Care and Services by Care International /Futures Group from February 2011 to April 2011.
- Consultant in Institutional capacity assessment of PLHIV Networks in Kenya in order to evaluate the capacity of PLHIV networks and partners in Kenya (Baseline Survey).
- Mid-Term Evaluation of The Integrated Health Outreach Project (IHOP) in Garba Tulla District, Upper Eastern Region of Kenya.

Juliet Njeri Muasya

Consultancy with Futures Group Europe;

- The Impact of HIV/AIDs on Land Tenure in Three Districts in Kenya: Thika, Bondo and Embu under the DFID HIV/AIDS Care and Prevention, 2002/2003 - in charge of coordinating the transcriptions of 250 recorded tapes from vernacular language into English.

Dr. Hellen Inyega

- Organizing the 8th Pan African Reading for All (PARFA) conference to be held at Kenya Science Campus (KSC) from 12th to 16th August 2013. Anticipate about 400 people to participate. Already over 300 abstracts have been submitted to the Conference Committee.
- In January 8th and 14th, 2013 trained Enumerators to assess early grade reading among children under the Education for Children in Marginalized areas of Kenya (EMACK) a project implemented by The Aga Khan Foundation with funding from USAID.
- In January 21st - 25th, 2013 trained teachers in Satellite Zone to teach early grade reading.
- Launching research findings in Ukunda on a Healthand Literacy Intervention (HALI) survey implemented for four years.
- Presenting a paper at The UNESCO Mobile Learning Week in Paris from 16th to 20th February 2013 on the effectiveness of supporting teachers through Short Message Services (SMS).

Dr. John Mwangi

- Programs development for Bachelor of Education (Applied Social Sciences) in Business Studies, Geography and Mathematics for Anglican University of Kenya – 2013.

7. PAPERS PRESENTED

Mr. Evanson Muriithi

Effect of Project Method on Learners Achievement in Physics. A Case of Kenyan Secondary Schools. Paper presented at the Department of Educational Communication and Technology Seminar, University of Nairobi University of Nairobi on 1st March 2012.

The Value of Education. Message given on a Prize Award Ceremony at Ngariama Division of Kirinyaga East District at Ngariama Primary School on 9th March 2012

8. NUMBER OF GRADUANDS

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|---------------------------------------|----------------------------|----------------------------|------------------------------|
| GRADUATION 24/8/2012 | M.ED ECE – 22 Graduands | B.ED ECE – 38 Graduands | DIPLOMA ECE – 4 Graduands |
| GRADUATION 7/12/2012 | M.ED ECE – 20 Graduands | B.ED ECE – 24 Graduands | DIPLOMA ECE – 3 Graduands |

9. NUMBER OF STAFF AND THEIR DESIGNATIONS

| | | |
|------------------------------------|---|----|
| Associate Prof. | - | 1 |
| Senior Lecturer | - | 2 |
| Lecturer | - | 12 |
| Tutorial Fellow | - | 5 |
| Chief Technologist | - | 1 |
| Assistant Senior Secretary Grade C | - | 1 |
| Junior Technologist Grade IV | - | 1 |
| Records Clerk Grade IV | - | 1 |
| Records Clerk Grade III | - | 1 |
| Messenger Grade II | - | 1 |

