

South Africa - Early Learning Outcomes Measure 2016, Age Validation Study

Innovation Edge

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Identification

SURVEY ID NUMBER

zaf-ie-elom-2016-v1.1

TITLE

Early Learning Outcomes Measure 2016, Age Validation Study

SUBTITLE

Age Validation Study

COUNTRY

Name	Country code
South Africa	zaf

STUDY TYPE

Child Assessment Survey

ABSTRACT

In 2015, Innovation Edge commissioned the development of South Africa's first national-level preschool child assessment tool. Finalized in 2016, the primary purpose of the Early Learning Outcomes Measure (ELOM) (www.elom.org.za) is to provide the country with a national instrument to fairly assess children age 50-69 months from all socio-economic and cultural backgrounds. With this tool, we will be able to monitor early learning program outcomes, guide program improvement, and test program effectiveness. This study is conducted to assist Innovation Edge with the 2nd phase in the process for the development of ELOM--Age validation. In this study, ELOM tools was administered to children enrolled in public schools at the commencement of their Grade R year in 2016, in school of all five quintiles in three provinces. The goal of the ELOM age validation process was to construct a sample that was likely to be as representative as possible of children eligible to enter Grade R in January 2016, drawn from across South Africa's socio-economic distribution, and including five major language groups.

The ELOM includes both direct assessment of children's performance as well as an assessment of the child's social and emotional functioning and orientation to tasks. The ELOM Direct Assessment consists of 23 items measuring indicators of the child's early development in five domains:

Gross Motor Development

Fine Motor Coordination and Visual Motor Integration

Emergent Numeracy and Mathematics

Cognition and Executive Functioning

Emergent Literacy and Language

KIND OF DATA

Observation data

UNIT OF ANALYSIS

Individuals and institutions

Version

VERSION DESCRIPTION

v1.1: Edited, anonymised data for public distribution

VERSION DATE

2017-02-17

VERSION NOTES

Version 1 was deposited with DataFirst 20170217. Version 1.1 has minor changes to value labels and includes ID numbers generated by Innovation Edge for those schools which do not have EMIS numbers.

Scope

NOTES

ELOM data includes data on the child's school: School setting (province, rural/urban, traditional), school quintile, and school name. Data on each child includes the child's age, home language, height, and child performance scores collected using the Early Learning Outcomes Measure (ELOM) tool developed by the researchers. This tool allows for both direct assessment of children's performance as well as an assessment of the child's social and emotional functioning and orientation to tasks. Direct Assessment consists of 23 items measuring indicators of the child's early development in five domains which are internationally accepted recognised as key learning and developmental areas. These include: Gross motor development, fine motor coordination and visual motor integration, emergent numeracy and mathematics, cognition and executive functioning, and emergent literacy and language. The child's Task Orientation is also rated by the assessor during direct assessment. The child's capacity for self-care (toileting), relations with peers and adults, and emotional functioning are measured with a Teacher Assessment.

KEYWORDS

Keyword
Early child development
Early learning

Coverage

GEOGRAPHIC COVERAGE

It is envisioned that the ELOM will be applied to children from a range of cultural and socio-economic settings. However, as finances did not permit a national sample, three provinces were chosen for the study. The sample for this study then aimed to be representative of public school Grade R students in the target language groups who were between the ages of 54-66 months in selected school districts in North West (Setswana speakers only), the Western Cape (English, isiXhosa and Afrikaans speakers) and KwaZulu Natal (isiZulu speakers only).

GEOGRAPHIC UNIT

The lowest level of geographic aggregation in the data is District Municipality

UNIVERSE

Desired target population is Grade R children in South African public schools between the ages of 54-66 months.

Producers and sponsors

PRIMARY INVESTIGATORS

Name
Innovation Edge

PRODUCERS

FUNDING AGENCY/SPONSOR

Name	Role
D.G. Murray Trust	Funder

Sampling

SAMPLING PROCEDURE

A two-stage clustered sample design was employed. In the first stage, and in each district, probability proportional to Grade

R population size sampling was used to randomly select schools within each of the five School Quintile bands. Two schools in traditional, more rural areas in each of North West and KwaZulu-Natal were recruited independently of this exercise to explore the influence of more "traditional" approaches to child rearing. In the second stage, learners were selected within Grade R classes using simple random sampling. Minimum of nine children per school were selected per cluster.

Data Collection

DATES OF DATA COLLECTION

Start	End
2016-01-25	2016-03-03

DATA COLLECTION MODE

Other

SUPERVISION

Data collection for the project was granted ethics approval by the Ethics Review Committee of the Faculty of Humanities at the University of Cape Town on 11 November 2015. The ethics clearance document is provided with the data.

DATA COLLECTION NOTES

Data was collected using the Early Learning Outcomes Measure (ELOM) set of tools, which include the following components: ELOM Direct Assessment Kit, ELOM Direct Assessment Kit list, ELOM Direct Assessment Manual, ELOM Technical Manual, ELOM Scoring Sheet, Open source online protocol for tablet/phone-based scoring and data capture, ELOM Teacher Assessment of the Child. Further information can be found at <https://innovationedge.org.za/project/elom/>

DATA COLLECTORS

Name
Innovation Edge

Access policy

CONTACTS

Name	Affiliation	Email	URL
DataFirst Support Site	UCT	support@data1st.org	www.support.data1st.org

ACCESS CONDITIONS

Public access data for use under a Creative Commons CC-BY (Attribution-only) License

CITATION REQUIREMENTS

Innovation Edge. Early Learning Outcomes Measure 2016, Age Validation Study [dataset]. Version 1.1. Cape Town: Innovation Edge [producer], 2017. Cape Town: DataFirst [distributor], 2017. DOI: <https://doi.org/10.25828/m8hh-t883>

ACCESS AUTHORITY

Name	Affiliation	Email	URL
DataFirst	University of Cape Town	support@data1st.org	www.support.data1st.org

Metadata production

PRODUCERS

Name	Affiliation	Role
DataFirst	University of Cape Town	Metadata producer

DATE OF METADATA PRODUCTION
2024-05-31

DDI DOCUMENT VERSION
Version 5

Data Description

Data file	Cases	Variables
20171011-elom-2016-v1.1	0	50

Data file: 20171011-elom-2016-v1.1

Cases:	0
Variables:	50

Variables

ID	Name	Label	Question
V1	csid	Child study ID	
V2	Assessor	Assessor	
V3	Province	Province	
V4	School	School name	
V5	RuralOrUrban	Rural or urban	
V6	Traditional	Traditional or not traditional	
V7	Quintile	School quintile	
V8	CompositeQuintileGroup	Three quintile groupings	
V9	Gender	Gender of child	
V10	Age	Age in months	
V11	AgeGroup	Age group	
V12	HomeLanguage	Home language	
V13	AssesLanguage	Assessment language	
V14	WHOScreen	WHO screening score	
V15	Height	Height in cm	
V16	hfa	Height for age z-score	
V17	Item1	Standing on one leg for 10 seconds transformed	
V18	Item2	Catch bean bag both hands transformed	
V19	Item3	Catch bean bag preferred hand transformed	
V20	Item4	Catch bean bag non-preferred hand transformed	
V21	gmd	Gross motor development	
V22	Item5	Cross & square transformed	
V23	Item6	Triangle transformed	
V24	Item7	Draw person transformed	
V25	Item8	String beads transformed	
V26	fmcvmi	Fine motor control & visual motor integration	
V27	Item9	Counting transformed	
V28	Item10	Add & sub transformed	
V29	Item11	Sort and class transformed	
V30	Item12	Spatial vocabulary transformed	
V31	Item13	Measurement vocabulary transformed	
V32	enm	Emergent numeracy & mathematics	
V33	Item14	DCCS transformed	
V34	Item15	Pencil tapping transformed	
V35	Item16	Digit span transformed	
V36	Item17	Picture puzzle transformed	
V37	cef	Cognition & executive functioning	
V38	Item18	Empathy transformed	

ID	Name	Label	Question
V39	Item19	Self-awareness transformed	
V40	Item20	Expressive language transformed	
V41	Item21	Expressive vocabulary transformed	
V42	Item22	Oral comprehension transformed	
V43	Item23	Sound discrimination transformed	
V44	ell	Emergent literacy & language	
V45	Total	ELOM total score	
V46	ChildObs1	Paid attention	
V47	ChildObs2	Stayed concentrated	
V48	ChildObs3	Careful and diligent	
V49	ChildObs4	Interested and curious	
V50	ChildObsTotal	Child observation total	

Total: 50

CSID: Child study ID**Data file: 20171011-elom-2016-v1.1****Overview**

Valid: 0 Invalid: 0

Type: Discrete Width: 9 Range: - Format: character

AGE: Age in months**Data file: 20171011-elom-2016-v1.1****Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 11 Range: 49.01639344 - 68.81967213 Format: Numeric

ASSESSOR: Assessor**Data file: 20171011-elom-2016-v1.1****Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 2 Range: 3 - 29 Format: Numeric

PROVINCE: Province**Data file: 20171011-elom-2016-v1.1****Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 1 Range: 1 - 3 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category
1	Western Cape
2	KwaZulu Natal
3	North West

SCHOOL: School name**Data file: 20171011-elom-2016-v1.1****Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 9 Range: 100000003 - 600102351 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category
100000003	Kukhanyile
100000007	RR Franks
100000008	Kraaifontein AME
100000127	Irista Primary
100000431	Soyisile Primary
101000829	Northpine Primary School
101007208	Blue Downs Prim
101309245	Nolungile Primary
101320900	Cavalleria Prim
101320986	Dennemere Primary
101321524	Isikhokelo Primary
106008397	Blackheath Primary
106041205	Ummangaliso Primary
106041214	Somerset-West LS
106041217	Parkdene Primary (Bellville)
106041219	Brooklands Primary
106041328	Lwandle Primary
106041333	Kuils River Primary
106322385	Chumisa Primary
107003388	Sosebenza Primary
107008188	Firgrove Primary
107042109	Bottelary Primary
107309296	Chuma Publ Primary
107320331	Kalkfontein Prim
107320803	Marvin Park Primary
107320846	Fanie Theron Primary
107320978	Kuyasa Prim
107321915	Ludwe Ngamlana Primary School
107322105	Eluxolweni Primary
107322210	Beverley Park Primary
107322229	Academia Primary
107322237	Ntwasahlobo Primary
107322326	Brackenfell Primary
107326070	Hopolang Primary
110309205	Nomsa Mapongwana Primary

111008379	Dr GJ Joubert Primary
111309256	Sarepta Primary
111320633	Rouxville Prim
500112406	Bridgeman Primary
500112407	Masuku Primary
500127465	Egugwini Primary
500141007	Esiphethwini Primary
500145706	Fundakahle Primary
500166204	Intinyane Junior Primary
500167721	Isidingo Combined Primary
500168979	Isithokoziso Primary
500179635	Kwa Gumbi Primary
500180042	Kwa Khwela Combined Primary
500205313	Mbuyazi Primary
500218781	Msizi Dube Primary
500219336	Mthombeni Primary
500221149	Muzomuhle Primary
500232397	Ekukhoseleni Primary
500241647	Nyanisweni Junior Primary
500242535	Oceanview Primary
500247678	Phangisa Primary
500252895	Qhosheyiphethe Primary
500258593	Saphinda Combined Primary
500278425	Sukuma Combined Primary
500279424	Tafelikopo Primary
500293928	Vumokuhle Junior Primary
500296481	Windy Heights Primary
500340177	Cato Crest Primary
500407592	Imbaliyethu Primary
500440966	Empumelelweni Primary
500443482	Quarry Heights Primary
600000001	Kafentse Kalaote
600000002	Akofang
600000004	Laerskool Orkney
600000005	Laerskool Stilfontein
600000006	Klerksdorp Primary
600000007	Nkagisang
600000008	Bosworth
600000009	Maheelo

600000012	Vyfhoek Primary
600000014	Buffelsvlei
600100029	Are-Itshokeng
600100346	Edisang Public School
600100467	Thea Morafe Primary School
600100566	Ithuseng Primary School
600100638	Keagile Intermediate School
600100805	Pa Theron Primary
600100875	Lesego Primary School
600100892	Letlhasedi Combined School
600101002	Mahube Intermediate School
600101328	Mokolokotoane Public School
600101680	Laerskool President
600101685	Pudulogo Primary Public School
600101775	Reahola Primary
600101902	Sediko Primary
600102037	Strathvaal Primary
600102229	Tshepo Primary School
600102351	Zamukulunga Public School

RURALORURBAN: Rural or urban

Data file: 20171011-elom-2016-v1.1

Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 1 Range: 0 - 1 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category
0	Urban
1	Rural

TRADITIONAL: Traditional or not traditional

Data file: 20171011-elom-2016-v1.1

Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 1 Range: 0 - 1 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category
0	Not Traditional
1	Traditional

QUINTILE: School quintile

Data file: 20171011-elom-2016-v1.1

Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 1 Range: 1 - 5 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category
1	1

COMPOSITEQUINTILEGROUP: Three quintile groupings

Data file: 20171011-elom-2016-v1.1

Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 1 Range: 1 - 3 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category
1	Q1
2	Q2 and Q3
3	Q4 and Q5

GENDER: Gender of child

Data file: 20171011-elom-2016-v1.1

Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 1 Range: 0 - 1 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category
0	Male
1	Female

AGEGROUP: Age group

Data file: 20171011-elom-2016-v1.1

Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 1 Range: 0 - 1 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category
0	49 to 59 Months
1	60 to 69 Months

HOMELANGUAGE: Home language

Data file: 20171011-elom-2016-v1.1

Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 2 Range: -1 - 6 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category
-1	Missing
0	English
1	Afrikaans
2	isiZulu
3	isiXhosa
4	Sesotho
5	Setswana

6	Other
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ASSESLANGUAGE: Assessment language

Data file: 20171011-elom-2016-v1.1

Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 1 Range: 0 - 5 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category
0	English
1	Afrikaans
2	isiZulu
3	isiXhosa
4	Sesotho
5	Setswana

WHOSCREEN: WHO screening score

Data file: 20171011-elom-2016-v1.1

Overview

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 1 Range: 0 - 0 Format: Numeric

HEIGHT: Height in cm

Data file: 20171011-elom-2016-v1.1

Overview

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 4 Range: 89.3 - 126 Format: Numeric

HFA: Height for age z-score

Data file: 20171011-elom-2016-v1.1

Overview

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 5 Range: -4.57 - 3.24 Format: Numeric

ITEM1: Standing on one leg for 10 seconds transformed**Data file: 20171011-elom-2016-v1.1****Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 4 Range: 0 - 2.91 Format: Numeric

ITEM2: Catch bean bag both hands transformed**Data file: 20171011-elom-2016-v1.1****Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 4 Range: 0 - 3.59 Format: Numeric

ITEM3: Catch bean bag preferred hand transformed**Data file: 20171011-elom-2016-v1.1****Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 3 Range: 0 - 6.3 Format: Numeric

ITEM4: Catch bean bag non-preferred hand transformed**Data file: 20171011-elom-2016-v1.1****Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 3 Range: 0 - 7.2 Format: Numeric

GMD: Gross motor development**Data file: 20171011-elom-2016-v1.1****Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 2 Range: 0 - 20 Format: Numeric

ITEM5: Cross & square transformed**Data file: 20171011-elom-2016-v1.1**

Overview

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 3 Range: 0 - 4.2 Format: Numeric

ITEM6: Triangle transformed**Data file: 20171011-elom-2016-v1.1****Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 4 Range: 0 - 4.58 Format: Numeric

ITEM7: Draw person transformed**Data file: 20171011-elom-2016-v1.1****Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 4 Range: 0 - 4.74 Format: Numeric

ITEM8: String beads transformed**Data file: 20171011-elom-2016-v1.1****Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 4 Range: 0 - 6.48 Format: Numeric

FMCVMI: Fine motor control & visual motor integration**Data file: 20171011-elom-2016-v1.1****Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 4 Range: 2.03 - 20 Format: Numeric

ITEM9: Counting transformed**Data file: 20171011-elom-2016-v1.1****Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 4 Range: 0 - 6.03 Format: Numeric

ITEM10: Add & sub transformed**Data file: 20171011-elom-2016-v1.1****Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 4 Range: 0 - 4.51 Format: Numeric

ITEM11: Sort and class transformed**Data file: 20171011-elom-2016-v1.1****Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 4 Range: 0 - 4.01 Format: Numeric

ITEM12: Spatial vocabulary transformed**Data file: 20171011-elom-2016-v1.1****Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 3 Range: 0 - 2.8 Format: Numeric

ITEM13: Measurement vocabulary transformed**Data file: 20171011-elom-2016-v1.1****Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 4 Range: 0 - 2.65 Format: Numeric

ENM: Emergent numeracy & mathematics**Data file: 20171011-elom-2016-v1.1****Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 2 Range: 0 - 20 Format: Numeric

ITEM14: DCCS transformed**Data file: 20171011-elom-2016-v1.1****Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 4 Range: 0 - 3.11 Format: Numeric

ITEM15: Pencil tapping transformed**Data file: 20171011-elom-2016-v1.1****Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 4 Range: 0 - 6.72 Format: Numeric

ITEM16: Digit span transformed**Data file: 20171011-elom-2016-v1.1****Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 4 Range: 0 - 4.03 Format: Numeric

ITEM17: Picture puzzle transformed**Data file: 20171011-elom-2016-v1.1****Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 4 Range: 0 - 6.14 Format: Numeric

CEF: Cognition & executive functioning**Data file: 20171011-elom-2016-v1.1****Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 2 Range: 0 - 20 Format: Numeric

ITEM18: Empathy transformed**Data file: 20171011-elom-2016-v1.1****Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 4 Range: 0 - 3.21 Format: Numeric

ITEM19: Self-awareness transformed**Data file: 20171011-elom-2016-v1.1**

Overview

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 4 Range: 0 - 3.42 Format: Numeric

ITEM20: Expressive language transformed**Data file: 20171011-elom-2016-v1.1****Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 4 Range: 0 - 3.41 Format: Numeric

ITEM21: Expressive vocabulary transformed**Data file: 20171011-elom-2016-v1.1****Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 4 Range: 0 - 3.17 Format: Numeric

ITEM22: Oral comprehension transformed**Data file: 20171011-elom-2016-v1.1****Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 4 Range: 0 - 3.09 Format: Numeric

ITEM23: Sound discrimination transformed**Data file: 20171011-elom-2016-v1.1****Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 3 Range: 0 - 3.7 Format: Numeric

ELL: Emergent literacy & language**Data file: 20171011-elom-2016-v1.1****Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 2 Range: 0 - 20 Format: Numeric

TOTAL: ELOM total score**Data file: 20171011-elom-2016-v1.1****Overview**

Valid: 0 Invalid: 0

Type: Continuous Decimal: 0 Width: 5 Range: 9.9 - 94.29 Format: Numeric

CHILDOBS1: Paid attention**Data file: 20171011-elom-2016-v1.1****Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 1 Range: 0 - 3 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category
0	Almost never
1	Sometimes
2	Often
3	Almost always

CHILDOBS2: Stayed concentrated**Data file: 20171011-elom-2016-v1.1****Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 1 Range: 0 - 3 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category
0	Almost never
1	Sometimes
2	Often
3	Almost always

CHILDOBS3: Careful and diligent**Data file: 20171011-elom-2016-v1.1****Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 1 Range: 0 - 3 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category
0	Almost never
1	Sometimes
2	Often
3	Almost always

CHILDOBS4: Interested and curious**Data file: 20171011-elom-2016-v1.1****Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 1 Range: 0 - 3 Format: Numeric

Questions and instructions

CATEGORIES

Value	Category
0	Almost never
1	Sometimes
2	Often
3	Almost always

CHILDOBSTOTAL: Child observation total**Data file: 20171011-elom-2016-v1.1****Overview**

Valid: 0 Invalid: 0

Type: Discrete Decimal: 0 Width: 2 Range: 0 - 12 Format: Numeric

Download related resources

Technical documents

Early Learning Outcomes Measure (ELOM): Technical manual 2016

Title	Early Learning Outcomes Measure (ELOM): Technical manual 2016
Author(s)	Andrew Dawes, Linda Biersteker, Elizabeth Girdwood, Matthew Snelling and Colin Tredoux
Date	2016
Country	South Africa
Language	English
Description	This is the technical manual for the ELOM tool, published in 2016. There is an updated version for this document.
Filename	2016-elom-technical-manual.pdf

Early Learning Outcomes Measure (ELOM): Technical manual 2020

Title	Early Learning Outcomes Measure (ELOM): Technical manual 2020
Date	2020
Country	South Africa
Language	English
Publisher(s)	Innovation Edge
Description	This is the updated technical document for ELOM tool as of 2020, originally published in 2016.
Filename	2020-elom-technical-manual (1).pdf

Other materials

[UCT ethics approval]

Title	[UCT ethics approval]
Date	2015-11-23
Country	South Africa
Language	English
Contributor(s)	This is a letter from the Ethics Review Committee of the Faculty of Humanities at the University of Cape Town, confirming ethics approval for data collection by the project.
Filename	20151123-elom-ethics-approval.pdf
