

DeSTE Connect Conference 2024

CONFERENCE THEME:

Navigating Future Horizons in Science, Technology, ICT, and Education for Sustainable Development

DATE: 17 – 20 **SEPTEMBER 2024**

VENUE: KRUGER NATIONAL PARK (Mopani Rest Camp)

Tentative programme

16th September 2024 Monday

14:00 PM-	ARRIVAL AND REGISTRATION AT CONFERENCE VENUE
18:00 PM	
18:30 PM-	Opening Ceremony
18:45 PM	Venue: restaurant
	Introduction and overview of the conference: LOC
18:45 PM	Dinner

Day 1: 17th September 2024 Tuesday

Venue: Main Hall

7:30	Breakfast
7.30 AM	Diedkiast
8:30	Welcome
AM	Venue: Main Hall
	Opening of Conference: Welcome: Prof Msezane
	Chair: LOC
9:00	Plenary Session 1
AM	Guest Speaker
	Prof Busisiwe Alant
	Title: TBC
	Chair: LOC
10:30	Break
10.30 AM	bleak
7 (171	Theme 1: Current trends and innovation in Science Education
	Chair:
11:00	MK Madavha - Utilising Tshivenda scientific language register for teaching Physical Sciences
AM	
11:20	MN Khwanda, AV Mudau, EN Mazibe - An inquiry-based teaching framework for contexts with
AM	limiting factors: a case of FET physical sciences teachers
11:40	MV Chuene & AV Mudau - Transitioning from traditional to ICT based approaches in
AM	Chemistry education
12:00	EN Mazibe -Exploring the development of pre-service teachers' pedagogical content
PM	knowledge about electrostatics through educative mentorship

12:20 PM	F Abudu and AV Mudau - Enhancing Chemistry Education in Ghana through the development and application of scientific language register in Asante-Twi: a focus on Acids and bases
12:40 PM	IF Mokgabudi & EN Mazibe- The role of pedagogical content knowledge on teachers' assessment practices: a case study of chemical equilibrium
13:00 PM	RH Mabitla, P Photo & AV Mudau- Implementing Curriculum Support for Senior Science Educators: A Case Study in Sekhukhune East District
13:20 PM	MA Phifadi & EN Mazibe -Exploring Science Teachers' Planned and Enacted Strategies for Addressing Student Misconceptions about Electric Circuits
13:40 PM	Lunch
	Theme 2: Current trends and innovation in Technology Education Chair:
14:30 PM	HM Ngakane & MT Gumbo - Female teachers' challenges in the teaching of Civil Technology in technical high schools
14:50 PM	PE Motha, P Blose & MT Gumbo – Assessing Challenges Faced by Teachers in Teaching the Design Process: A Case Study in the Ehlanzeni District
15:10 PM	D Muzu, MT Gumbo & P Blose - Indigenisation of the teaching and learning of design in Technology Education
15:30 PM	NM Nyangiwe, MP Rankhumise & TDT Sedumedi- The Effect of Technology Integration in Teaching and Learning of Electricity Concepts
14:50 PM	Closing

Day 2: 18th September 2024 Wednesday

Venue: Main Hall

7:30 AM	Breakfast	
8:30 AM	Plenary session 2	
	Guest Speaker	
	Prof Jo Anna Reed Johnson	
	Title: TBC	
	Chair: LOC	
Theme 3: Education for Sustainable Development and Climate Change Education		
Chair:		
10:00 AM	Kreush & SB Msezane- The influence of climate change on learners' behaviour and academic	
	performance	

10:20 AM	MM Ramulumo - Empowering Tomorrow's Global Citizens: EcoKids' Climate Education Adventure
10:40 AM	H Myeni - Exploring climate change teaching strategies in schools
11:00 AM	Kreusch & SB Msezane - The primary obstacles that educators encounter due to climate change
11:20 AM	KR Munasi- Assessing Education for Sustainable Development Integration in the Life Sciences Curriculum: A Case Study of Vhembe East District
11:40 AM	Break
12:10 PM	NP Shabalala- Global Citizenship Education in Secondary Science Curriculum: A Comparative Analysis of National Policies and Practices
12:30 PM	P Ngeleka & P Blose - Implementing Solid Waste Management Strategies: A Practical Approach in Economics and Management Sciences for Grade 7 learners in the UGU District KwaZulu Natal
12:50 PM	R De Beer & SB Msezane - The influence of EE on Nature Conservation in South Africa: Conservation factors that affect effective EE in South Africa
13:10 PM	PF Mzobe - Understanding and teaching climate change in the secondary education Geography curriculum in KwaZulu-Natal
13:30 PM	I Muller - Project-based learning - linking ESD with contextualised learning at educational institutions
13:40 PM	BP Mkhonto -EcoVibes: Unveiling Grade 7's Recycling Perceptions to Promote School Environment Policies in South Africa
14:00 PM	Lunch
	Theme 4: Indigenous Knowledge Systems in Education Chair:
14:40 PM	OL Phalandwa- Developing of Tshivenda scientific language register for teaching Agricultural Sciences
15:00 PM	MT Gumbo- Doing indigenous research: Centring the researcher
15:20 PM	P Blose & MT Gumbo- The role of indigenous knowledge in addressing Technology Education teachers' challenges in teaching sustainable development
15:40 PM	L Masuvhe, MM Ramulumo & MT Gumbo- A systematic review of indigenous knowledge in grade 7 Natural Sciences education
16:00 PM	AV Mudau, NP Netshivhumbe, L Sikhosana, T Mokuku, S Oyoo & TG Ntuli- Developing and using the scientific language register for Natural Sciences in some African indigenous languages
16:20 PM	Closing

Day 3: 19th September 2024 Thursday

Venue: Main Hall

7:30 AM	Breakfast
8:30 AM	Plenary session 3
	Guest Speaker
	Prof Lesley Le Grange
	Title: TBC
	Chair: LOC
Theme 5: Digitalisation/ Digitisation in Education	

Chair:	
10:00 AM	EO Mashile - Determinants of prescriptive analytics: An ODeL case study
10:20 AM	MV Chuene, S Mampa and P Photo - Examining Peer Assessment Implementation in a Large
	Online Module: Reflections from ODeL lecturers
10:40 AM	J Broadhurst & AV Mudau - Exploring Learning Management System Adoption Among Science
	Teacher Educators in South African Distance Education
	A Barnard- Exploring the challenges grade 11 Life Sciences educators experience when
	integrating ICT Tools in education
	AR Molotsi & N Gcabashe -Exploring strategies adopted by secondary school teachers to
	overcome technology integration challenges in rural areas in Bojanala District
11:00 AM	Break
	Theme 6: Innovations in Life Sciences, Agricultural Sciences, and ICT Education
	Chair:
11:30 AM	XP Mathevula and J Broadhurst - Investigating Grade 12 Learners' and Teachers' experiences of
	Human Reproduction Education in Johannesburg North District, Gauteng Province: The Impact
	of Visual Aids
11:50 AM	M Mc Knight - Life Sciences Teachers' Insights Regarding the Fourth Industrial Revolution (4IR):
	Implications for their Teaching Practice
12: 10 PM	T Sakala and J Broadhurst -Exploring the teaching practices of grade 12 Life Science teachers in
	Gauteng
12:30 PM	Lunch