

NATIONAL SCIENCE WEEK 2023 Programme

Theme: *Transforming lives through the evidence-based science*

Sub theme: *The role of scientific communication in a post-truth era*

Pre-NSW2023 Programme

DATE	DEPARTMENT	ACTIVITY	VENUE	TIME
18 July 2023	Faculty of Science	Symposium: <i>The Role of Scientific Communication in a Post-truth Era</i> is the title of the symposium which is also the Sub theme used by the Faculty of Science for National Science Week 2023. This symposium is intentionally hosted annually on Mandela Day as the launch to NSW.	South Campus Council Chambers	09:00 – 13:00
19 July 2023	InnoVenton	Open Day: InnoVenton will host an open day in which learners will have a Tour of the Facility and explore the following: <ul style="list-style-type: none"> • Microalgae as a renewable resource for environmental sustainability and health • Biomass as an alternative energy source • Chemical synthesis and process development for health and agriculture • Formulation Science enabling entrepreneurship 	InnoVenton Facilities, Nelson Mandela University	10:00 - 12:00
20 July 2023	Chemistry	Laboratory Tours: Learners will get a tour through the Organic Chemistry laboratory and the power of the analytical equipment in the Organic Chemistry section will be showcased.	Katherine Johnson, South Campus, Nelson Mandela University	12:00 – 13:30
25 July 2023	Computational & Theoretical Sciences Forum	Symposium: The Symposium seeks to “Transform lives through the evidence-based science” by bringing together mathematicians, computer scientists, physical, chemical, and biological	Inkanyezi, South Campus, Nelson Mandela University	09:00 – 13:00

		scientists, and engineers from across Nelson Mandela University and the region with intellectual and research interests in computational and theoretical sciences.		
26 July 2023	Physics	Experimentation: The learners will measure the gravitational acceleration of a free-falling object and investigate the conservation of mechanical energy.	Katherine Johnson Building, South Campus, Nelson Mandela University	12:00 – 15:00
28 July 2023	Botany	A guided tour through the Nelson Mandela University Private Nature Reserve.	Inkanyezi, South Campus, Nelson Mandela University	11:00 – 12:30

Focus Week NSW2023 Programme

31 July 2023	Faculty of Science	Exhibition: Includes science exhibitions, role modelling & motivational talks, career guidance & student recruitment, fun game, computer coding, university application guidance, public lectures, and teachers' workshops.	St. Johns College, Mthatha	08:00 – 15:00
		Public Lecture: The Dean of Science will deliver a public lecture titled, <i>Unlocking the Deep Secrets of the Universe: A Journey through the Cosmos.</i>		17:00 – 18:00
	Zoology	Four exhibitions: featuring an in-house aquarium showcasing live aquatic specimens, an in-house departmental display showcasing animal diversity at its finest, an in-house visual featuring two brand new zoology posters, rocky shore invertebrate creatures' videos.	Mvezo Building, South Campus, Nelson Mandela University	08:30 – 13:30
	Institute for Coastal & Marine Research (CMR) & Ocean Science Campus	Open Day & Tour: The Coastal and Marine Research (CMR) institute will offer tours of the Ocean Sciences Campus of Nelson Mandela University and an exhibition stand of CMR.	Ocean Science Campus, Nelson Mandela University	All Day
	Chemistry	Chemistry Demonstrations	Ocean Science Campus, Nelson Mandela University	TBC

1 August 2023	Faculty of Science	Exhibition: Includes science exhibitions, role modelling & motivational talks, career guidance & student recruitment, fun game, computer coding, university application guidance, public lectures, and teachers' workshops.	St. Johns College, Mthatha	08:00 – 12:00
	Zoology	Four exhibitions: featuring an in-house aquarium showcasing live aquatic specimens, an in-house departmental display showcasing animal diversity at its finest, an in-house visual featuring two brand new zoology posters, rocky shore invertebrate creatures videos.	Mvezo Building, South Campus, Nelson Mandela University	08:30 – 13:30
	Physiology	How the Body Functions: Themed stations incorporating interactive demonstrations and hands-on practical activities will introduce learners to selected aspects of anatomy and physiology in a laboratory setting. Learners will have the opportunity to use microscopes, stethoscopes, blood pressure monitors and other tools of anatomical/physiological investigations while rotating between stations. Activities will include, amongst others, anatomical demonstrations of heart, kidney, eye and tongue specimens and other practical activities such as urinalysis of fake urine to show changes in diabetes, UTI vs normal and visual acuity activities.	Physiology Laboratory, 2 nd Floor, Inkanyezi Building, South Campus, Nelson Mandela University	09:30 – 11:30
	Institute for Coastal & Marine Research (CMR) & Ocean Science Campus	Open Day & Tour: The Coastal and Marine Research (CMR) institute will offer tours of the Ocean Sciences Campus of Nelson Mandela University and an exhibition stand of CMR.	Ocean Science Campus, Nelson Mandela University	All Day
	Chemistry	Chemistry Demonstrations	Ocean Science Campus, Nelson Mandela University	TBC
2 August 2023	Faculty of Science	Public Lecture: The Dean of Science will deliver a public lecture titled, A Century of the Quantum: A Transformative Era in Science and Technology	Auditorium, Inkanyezi, South Campus, Nelson Mandela University	17:30 – 18:30

	Zoology	Four exhibitions: featuring an in-house aquarium showcasing live aquatic specimens, an in-house departmental display showcasing animal diversity at its finest, an in-house visual featuring two brand new zoology posters, rocky shore invertebrate creatures videos and finally, an outside view of animals in their natural habitat via the Grysbok trail located on the Nelson University Mandela Reserve.	Mvezo Building, South Campus, Nelson Mandela University	08:30 – 13:30
	Institute for Coastal & Marine Research (CMR) & Ocean Science Campus	Open Day & Tour: The Coastal and Marine Research (CMR) institute will offer tours of the Ocean Sciences Campus of Nelson Mandela University and an exhibition stand of CMR.	Ocean Science Campus, Nelson Mandela University	All Day
	Chemistry	Chemistry Demonstrations	Ocean Science Campus, Nelson Mandela University	TBC
	Faculty of Science	Public Lecture: A Journey to the Quantum World – The disturbing theory of reality	Bayworld, 23 Beach Rd, Humewood, Gqeberha	17:30 – 18:30
3 August 2023	uYilo	Facilities Tour: Battery and Materials Laboratory, Electric Vehicle Systems Laboratory and Live Testing Environment (Comprising of Electric Vehicle Charging Stations, Electric Vehicles and Smart Grid Ecosystem).	uYilo, North Campus, Nelson Mandela University	10:00 – 12:00
	Zoology	Four exhibitions: featuring an in-house aquarium showcasing live aquatic specimens, an in-house departmental display showcasing animal diversity at its finest, an in-house visual featuring two brand new zoology posters, rocky shore invertebrate creatures videos.	Mvezo Building, South Campus, Nelson Mandela University	08:30 – 13:30
	Palaeoscience	Lab Tour: Showcasing the facilities at the Palaeolab, allowing students to discover the invisible world revealed under microscopes by allowing them to view different types of microfossils (pollen, charcoal) and engage with the different types of environmental archives we	Palaeolab, South Campus, Nelson Mandela University	09:00 – 10:00

		work with in the lab.		
	Institute for Coastal & Marine Research (CMR) & Ocean Science Campus	Open Day & Tour: The Coastal and Marine Research (CMR) institute will offer tours of the Ocean Sciences Campus of Nelson Mandela University and an exhibition stand of CMR.	Ocean Science Campus, Nelson Mandela University	All Day
4 August 2023	Mathematics & Applied Mathematics	Public lecture / talk: with title "Euclid and Diophantus and their role in algebra and geometry"	Room 0018, Ground Floor, Inkanyezi Building, South Campus, Nelson Mandela University	13:00 – 14:00
	Zoology	Four exhibitions: featuring an in-house aquarium showcasing live aquatic specimens, an in-house departmental display showcasing animal diversity at its finest, an in-house visual featuring two brand new zoology posters, rocky shore invertebrate creatures' videos and finally, an outside view of animals in their natural habitat via the Grysbok trail located on the Nelson University Mandela Reserve.	Lower Ground Floor & Ground Floor, Mvezo Building, South Campus, Nelson Mandela University	08:30 – 13:30
	Nanomedicine – Health Science	Launch: Nelson Mandela University is launching a Nanoscience Lab.	Missionvale Campus, Nelson Mandela University	TBC
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