



Imibono ehlakaniphileko kaMulalo Doyoyo

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Le yindatjana kaMulalo Doyoyo, umSunguli
onguSosayensi weSewula Afrika.

Abasunguli babantu abacabanga nababumba
yoke imihlobo yezinto ezitja.

UMulalo usebenzisa iSayensi neThekhnoloji
ukwakha iinsungulo ezisiza abantu kanye
nebhoduluko.



“Ngifuna ukukutjela ngoSonjiniyera owaba msunguli odumileko. Wabelethelwa esigodini seVondwe,” kuthoma utitjhere uMary.

“IVondwe ikuphi titjhere?” kubuza uLulama.

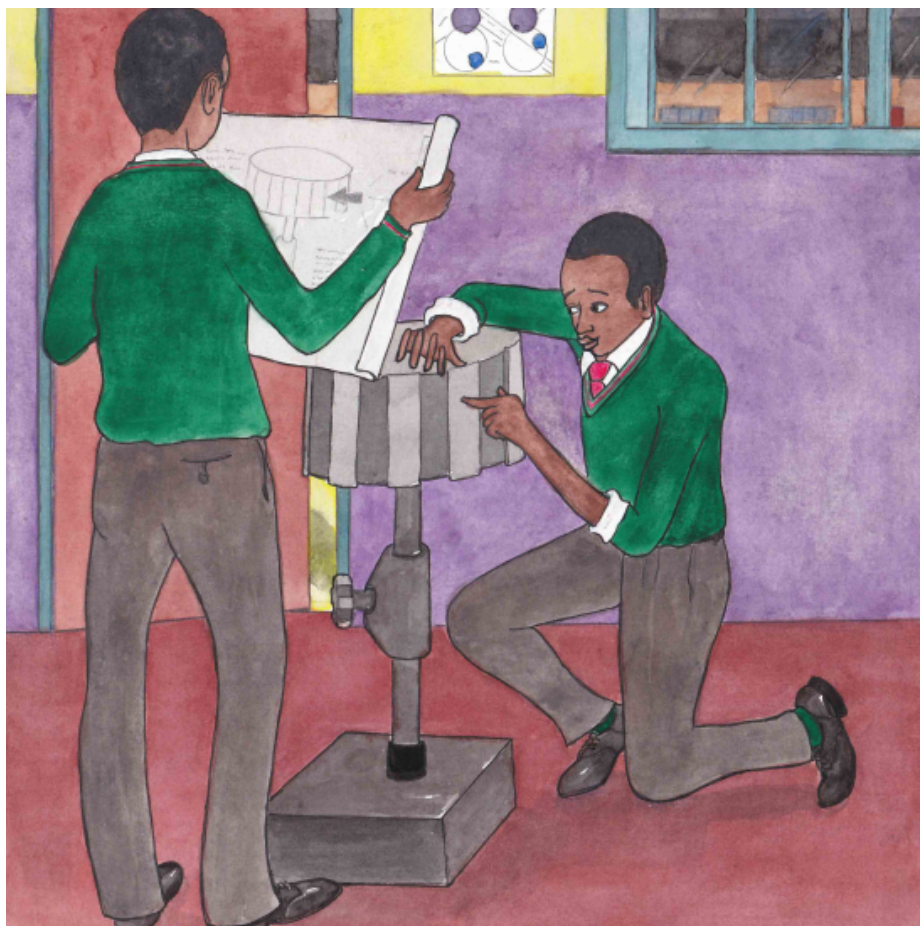
“Isendaweni yemakhaya ePhrovinsini yeLimpopo,” kuphendula utitjhere.



“UMulalo Doyoyo wabelethwa ngomnyaka we-1970. Noke nje nanikuphi ngomnyaka we-1970?” kubuza utitjhere uMary.

“Wu! Thina besingakabelethwa nokubelethwa titjhere ngomnyaka we-1970,” kuphendula uJack ahleka.

“UMulalo wathoma isikolo esikolweni samabanga aphasi eVondwe Primary ngomnyaka we-1977,” kuraga utitjhere.

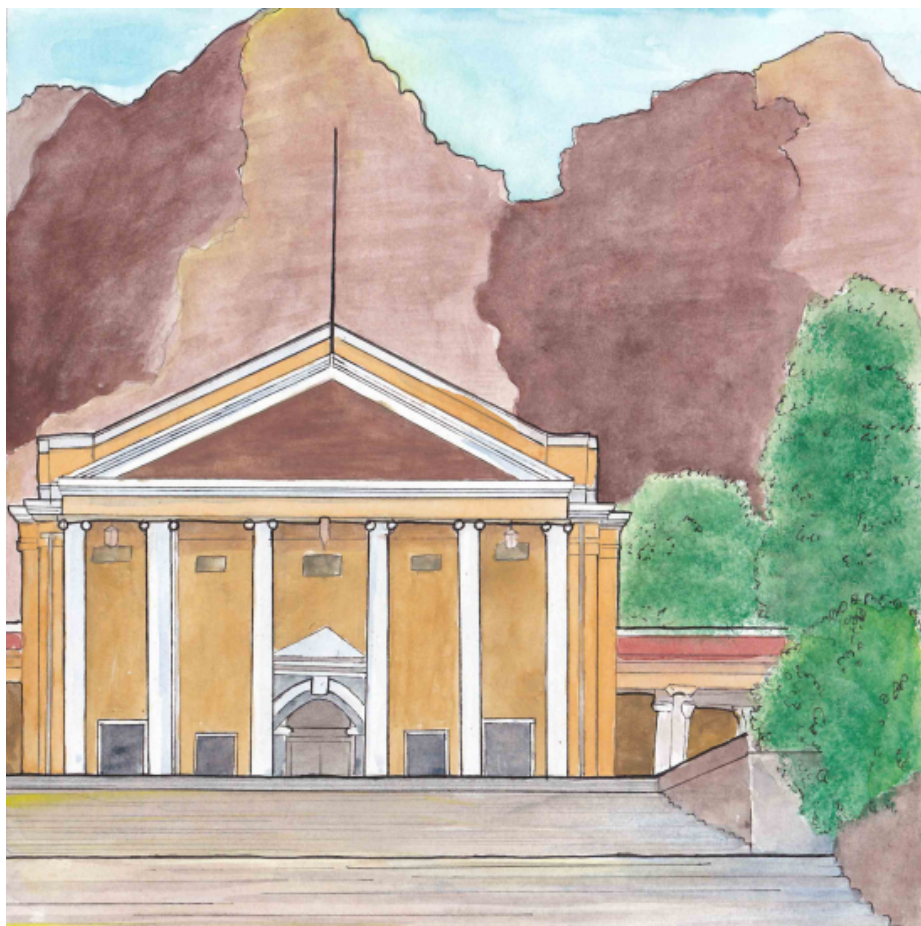


“Lokha nakaya esikolweni samabanga aphezulu, wathanda iSayensi nobuNjiniyera,” kutjho utitjhere uMary.

“Buyini ubunjiniyera?” uyabuza.

“Kuyihlanganisela yeSayensi neThekhnoloji,” kuphendula uNkoka.

“Kumayelana nokwenza imitjhini, imakhiwo kanye nezinye izinto,” kuphendula uKulani.



“Nobabili niqinisile. AbosoNjiniyera bayatlama bebakhe nemitjhini, izinto kanye nezakhiwo. Basebenzisa iSayensi neThekhnoloji,” kutjho utitjhere.

“Ngemuva kokuqeda isikolo eSekondari iMbilwi, uMulalo wathumba umfundalize wokuyokufundela ubuNjiniyera eYunivesithi ye-Cape Town,” utjho usaraga.



“Lokha nakaseyunivesithi, uMulalo wabumba ihlangano ebizwa ngokuthiwa yi-*Temescial*.

Lokhu kujamele ‘iTekhnoloji, imitjhoga kanye nesayensi yakho koke.’

ITemescial ikhuthaza abantu abasesebatjha ukobana bafunde iSayensi, iThekhnoloji, ubuNjiniyera kanye neemBalo.

Ekukhambeni kwesikhathi sizakuthola okunengi ngalokhu.”



“Ngemuva kokuqeda idigri yakhe yokuthoma, uMulalo waya e-Amerika. Wafunda bewafundisa emayunivesithi wakhona.

Wafundisa iSayensi neemBalo (i-*Applied* Mathemathiksi). Iyini iMathemathiksi?” kubuza utitjhere uMary.

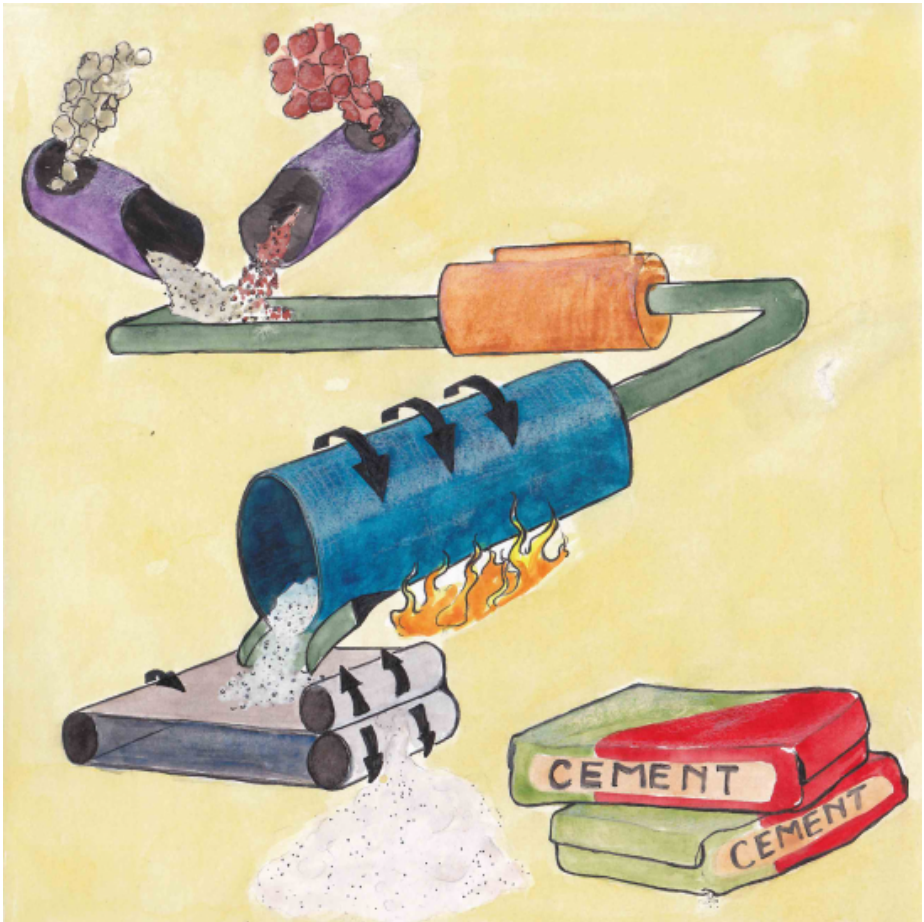
“Sifundo seenomboro, amajamo kanye namaphetheni,” kutjho u-Akani.



“Iye kunjalo uqinisile, Akani,” kutjho utitjhere.

Waragela phambili nendatjana yakhe.

“UMulalo uneziqu zobudorhodera. Uzuze iziqu eziphezulu khulu ze-*PhD*. Nasele uzuze iziqu ezifana nalezi, ubizwa ngokuthiwa ungudorhodera. Ungusolwazi kilomkhakha wobuNjiniyera.”



“Njenganje, ngaphambi kobana nginitjele ngalokho okwasungulwa nguMulalo, akhese nginikhumbuze ngometheriyali wokwakha obizwa ngokuthiwa yisamende,” kutjho utitjhere.

“Isamende inelitje lelayimi begodu lisetjenziswa emakhiweni eminengi.

Ilitje liyagujwa emayini, ligaywe libe feyini bese liyatjhiswa kwenziwe isamende.”



“Bafundi, uMulalo wasungula imatheriyali yokwakha enganalo ilitje. Kunalokho, isebenzisa umlotha nenye isila ebuya emabubulweni.

Lokhu kutjho bona kuyakghoneka ukwenza isamende ngaphandle kokuthatha ilitje lelayimi phasi. Ibhoduluko alikonakali.”



“Okhunye godu uMulalo wasungula umtjhini wokwenza amatje. Umtjhini lo wonga amanzi ne-eneji. Amanzi asisetjenziswa esingatholakali lula!”

“Akukafaneli silise iimpompi zihlale zingakavalwa,” kutjho uJack.

“Iye woke umuntu unomsebenzi wokonga amanzi,” kuphendula uLulama.



"Pheze sengiyayiqeda indatjana yami, ngiyiphetha ngesithuthuthu esithelwe ngepuyere yehayidrojini! Isithuthuthu sibizwa ngokuthiwa yi-Ahifambeni. UMulalo wasungula isithuthuthu lesi nabanye abarhubhululi," kutjho utitjhere.

"Isithuthuthu sehayidrojini, lokhu kukuhlakanipha okukhulu!" kutjho uKulani.

"Ahifambeni! Asikhambeni!" kutjho uNkoka.



“Iye! Asikhambeni siyokufundela ubuNjiniyera sisungule izinto ezihlakaniphileko!” kutjho uKulani.

“Asisebenziseni iSayensi neThekhnoloji ukurarulula imiraro nokuzithabisa!” kutjho uNkoka.

“Ngiyazi bona indatjana kaMulalo izakukhuthaza wena!” kutjho utitjhere uMary amomotheka.

—Imibuzo

1. Wena uthanda ukufundela ini? Kubayini uthanda ukufundela lokho?
2. Kubayini ucabanga bona uMulalo wathanda iSayensi nobuNjiniyera?
3. Tholisisa okunengi ngemihlobo ehlukahlukeneko yobunjiniyera.
4. Tholisisa okunengi ngabasunguli bama-Afrika.
5. Imibono esungulwe nguMulalo ilivikela njani ibhoduluko?
6. Khuyini i-STEM? Hlathulula bona kubayini siqakathekile
7. Ngaphandle kweYunivesithi yeKapa, thola amanye amayunivesithi alikhomba weSewula Afrika afundisa ubunjiniyera.
8. Hlathulula bona kubayini amanzi amthombo ongakaneli.

—Iincwadi eziselungelungeni leli

- U-Andile Mji
- U-Asnath Mahapa
- UBongani Mayosi
- UCharlotte Maxeke
- UMmantsane Moche Diale
- UMulalo Doyoyo
- UTebello Nyokong
- UTshilidzi Marwala

Indatjana le yathanywa begodu yatlolwa
ngelimi leXitsonga njengengceny yephrojekthi
yeZenex Ulwazi Lwethu yeencwadi
ezingafundwa ngo-2020.



Ulwazi Lwethu is a Zenex Foundation funded and initiated project to develop a series of graded and leisure African language readers and teacher support materials. This project is targeted at teaching and supporting learners in the Foundation Phase to improve their home language reading and understanding. The readers have been originated in nine African languages in collaboration with Molteno Institute for Language and Literacies, Nelson Mandela Institute for Education and Rural Development, Room to Read South Africa, and Saide. All resources are developed as Open Education Resources (OER).

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*The Ulwazi Lwethu readers and storybooks have
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