



Emakhompuyutha lahlakaniphile aTshilidzi Marwala

Ndivhuho Mutsila
Thulisile Shongwe



Lencwadzi yetindzaba ikhuluma ngaTshilidzi Marwala.

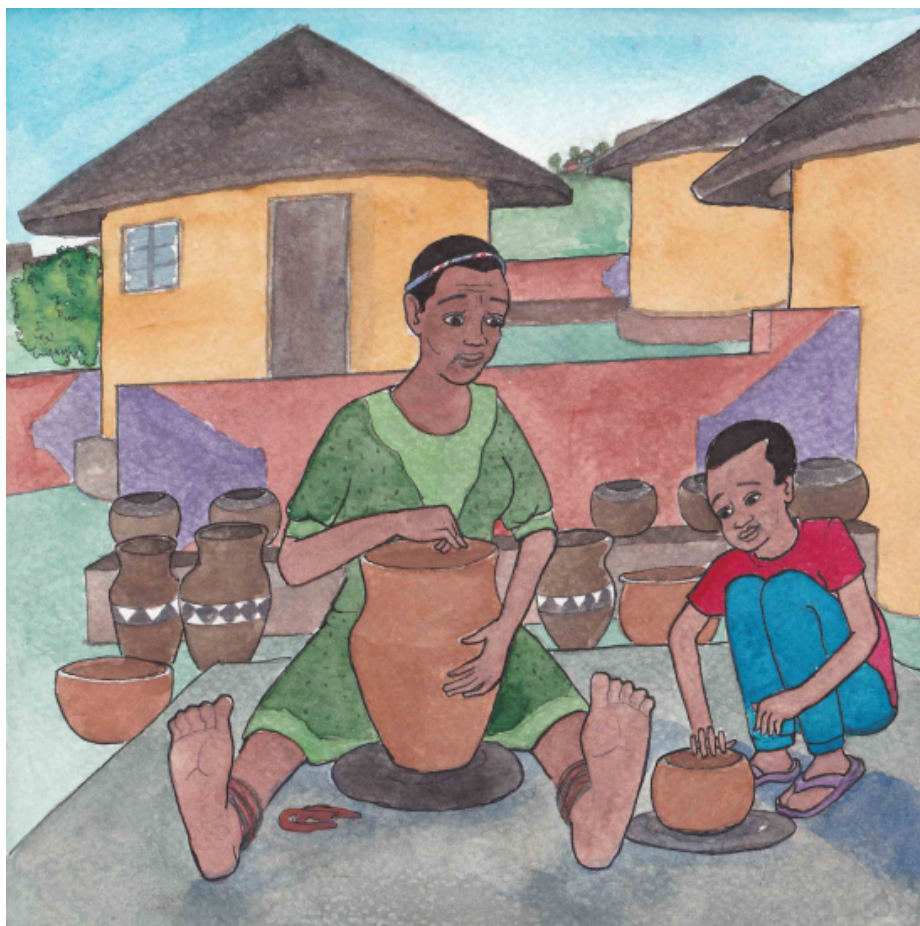
UnguSosayensi wemaKhompuyutha naNjiniyela weMishini waseNingizimu Afrika.

Lenzaba ikhuluma ngendlela Tshilidzi waseDuthuni laba ngayo nguchwepheshe lowatiwa emhlabeni wonkhe kuSayensi nakuThekhnoloji.



Tshilidzi Marwala watalelwa endzaweni yasemakhaya esigodzini saseDuthuni, eLimpopo. Wakhuliswa batali bakhe kanye nagogo wakhe, Tshiane.

Gogo Tshiane bekenta tindziwo ngelubumba. Indlela labehlobisa ngayo tindziwo takhe beyifana nebunjinyela bemvelo.



BuNjiniyela buyiSayensi yekuhlela tintfo nekutakha, njengemishini netakhiwo.

Gogo Tshianeo bekabati buNjiniyela bekwenta tindziwo tesintfu.

Tshilidzi bekakutsandza kubukela gogo wakhe enta tindziwo, aphindze amsite.



Bekacale ente indingilizi lesicaba letawuba sisekelo seludziwo lwakhe.

Ngemva kwaloko, bekabese wenta tinhlangotsi teludziwo ngelubumba lolwengetiwe.

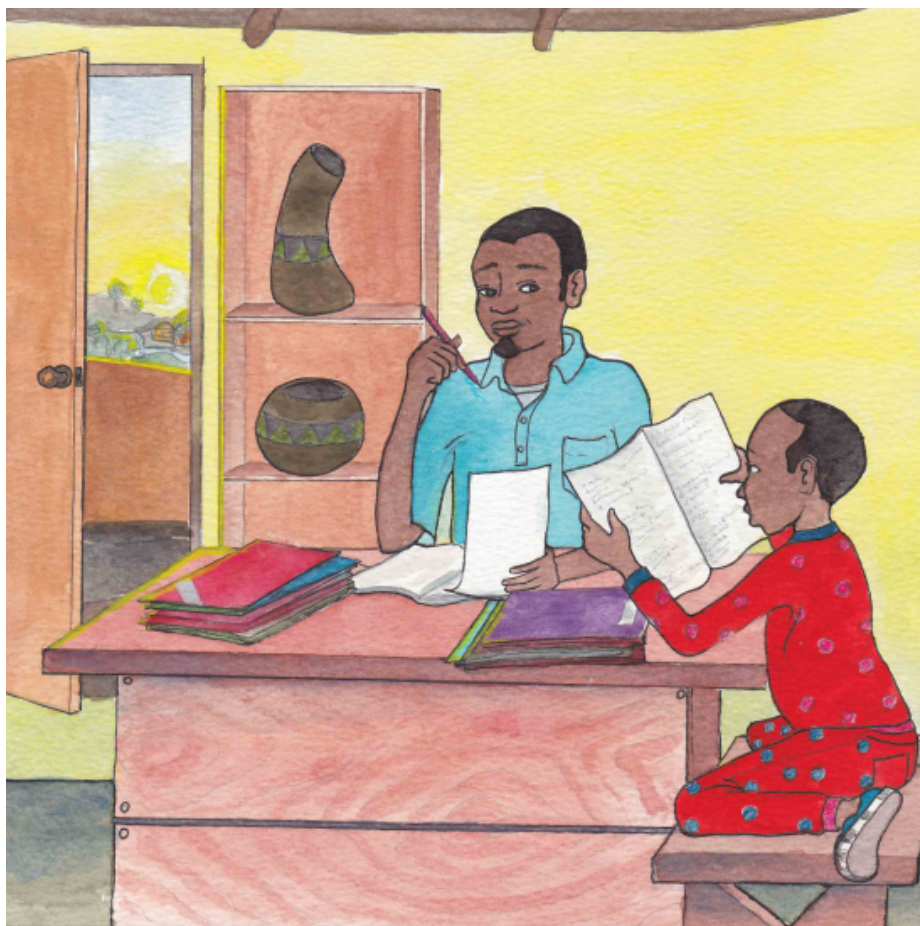
Gogo bekomisa tindziwo takhe ngekutibeka elangeni bese utifaka emlilweni.



Lomlilo bewushisa ngalokwenele kute ubhake
lubumba.

Kubhaka lubumba ngemlilo loshisa bhe komisa onkhe
emanti lasuke akulolubumba. Loku kwenta kutsi
lubumba lucine kakhulu.

Tindziwo tagogo beticina futsi tihlale sikhatsi lesidze.



Lutsandvo lwaTshilidzi lweSayensi nebuNjiniyela lwaphindze lwakhiwa ngubabe wakhe.

UMnu Marwala bekanguthishela weTibalo esikolweni sendzawo.

Asengakafundzi kubala ngekuphindzaphindza esikolweni, Tshilidzi wafundza kuphindza tinombolo ngekufundza tincwadzi tababe wakhe.



Tshilidzi beka hlala anelilukuluku lekwati tintfo.
Ebusuku, bekatsatsa lithoshi lababe wakhe alikhanyise
bese ulibhekisa etulu kuze abone lakugcina khona
sibhakabhaka!

Ngemva kwekucedza sikolo semabanga laphansi,
Tshilidzi wahamba esigodzini sakubo wayohlala
esikolweni sasedolobheni lekutsiwa yiShayandima.



Kuhlala esikolweni bekumnandzi ngobe bekahlangana nebantfu lacala kubabona. Wafundza kwetayela bantfu labekuhlukahlukene.

Tshilidzi wabese uyofundza Esikolweni Semabanga Laphakeme saseMbilwi.

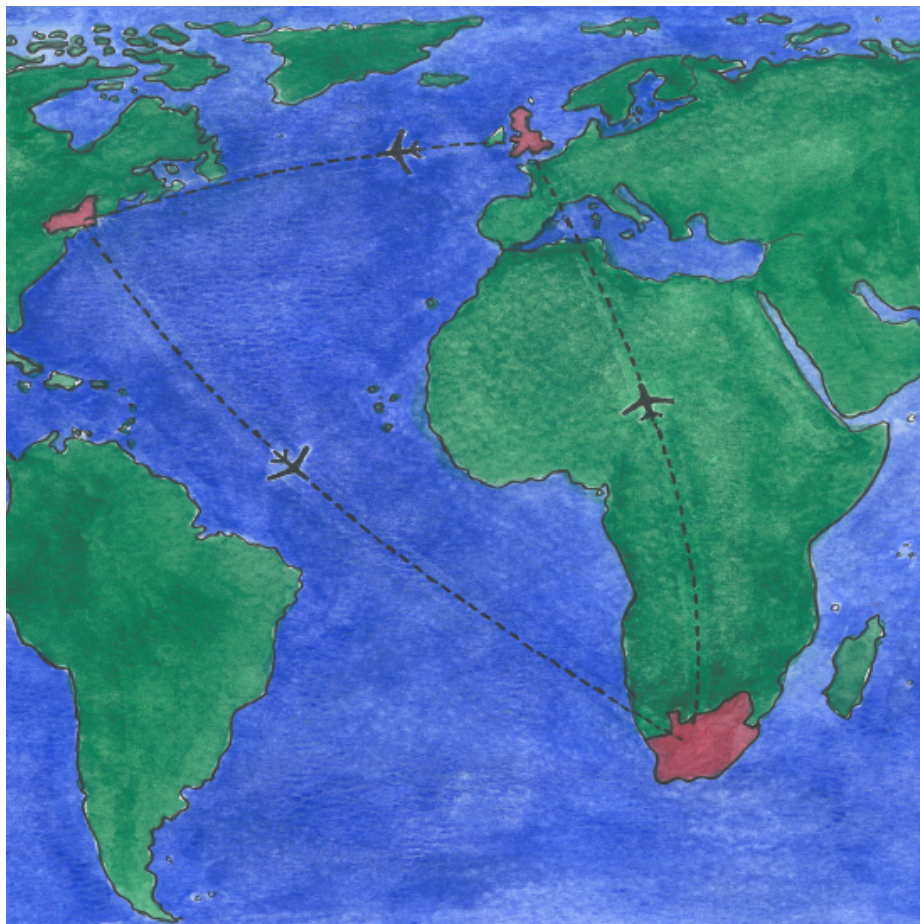
Tshilidzi bekatsandza thishela weTibalo nathishela weSayensi. Bebamkhutsata kutsi afundze futsi asebente ngekutimisela.



Emnyakeni wakhe wekugcina esikolweni, Tshilidzi wawina umncintiswano we *National Youth Science Olympiad*.

Wawina neluhambo lwekuya 'Emhlanganweni Wemhlaba Wonkhe Walabasha Labenta iSayensi' eNgilandi.

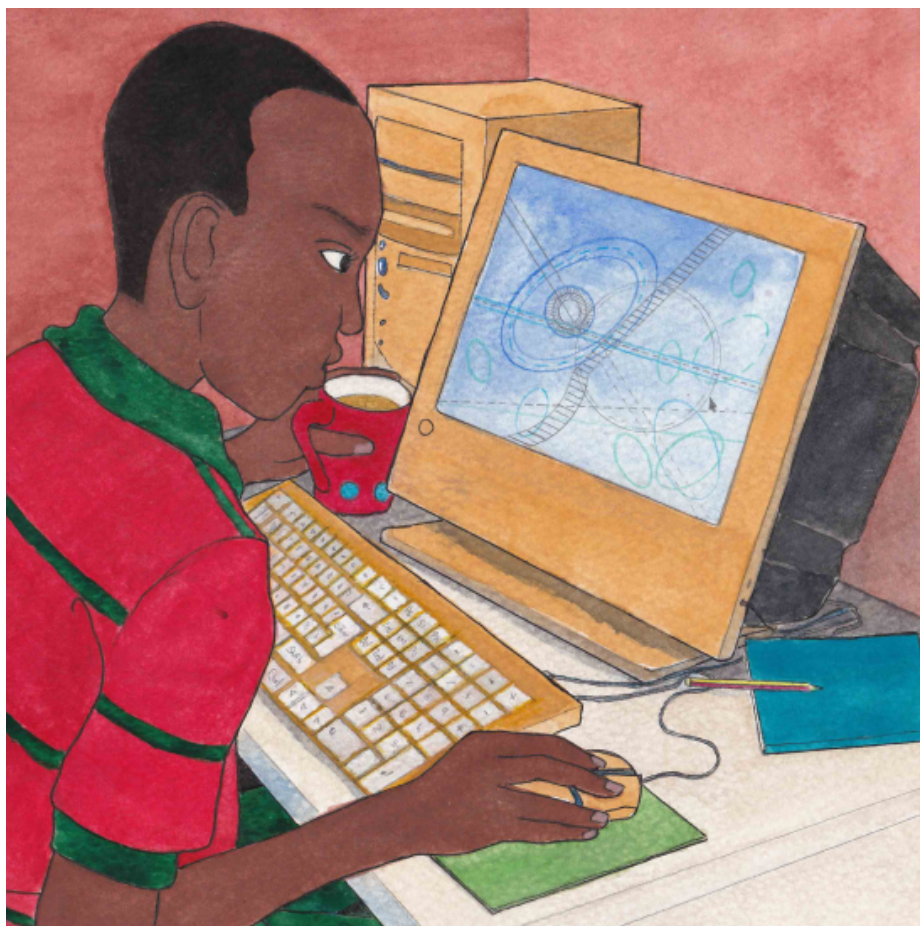
Tshilidzi wafundzela buNjinoyela beMishini eNyuvesi yasePitoli. Wachubekisela embili tifundvo takhe eNyuvesi yaseCambridge.



Tshilidzi bekatsandza indlela iThekhnoloji lengatigucula ngayo timphilo tetfu. Wafundzela iSayensi yemaKhompuyutha eNgilandi.

Ngemva kwaloko, wafundzela iThekhnoloji nebuNjiniyela eMelika.

Nasekwedlule iminyaka leminyenti afundza, Tshilidzi wancuma kuletsa lwati lwakhe ekhaya, eNingizimu Afrika.



Wacala kusebenta njengemsunguli we-*software* yemakhompuyutha, wasebenta ngebuciko lobentiwa ngemakhompuyutha.

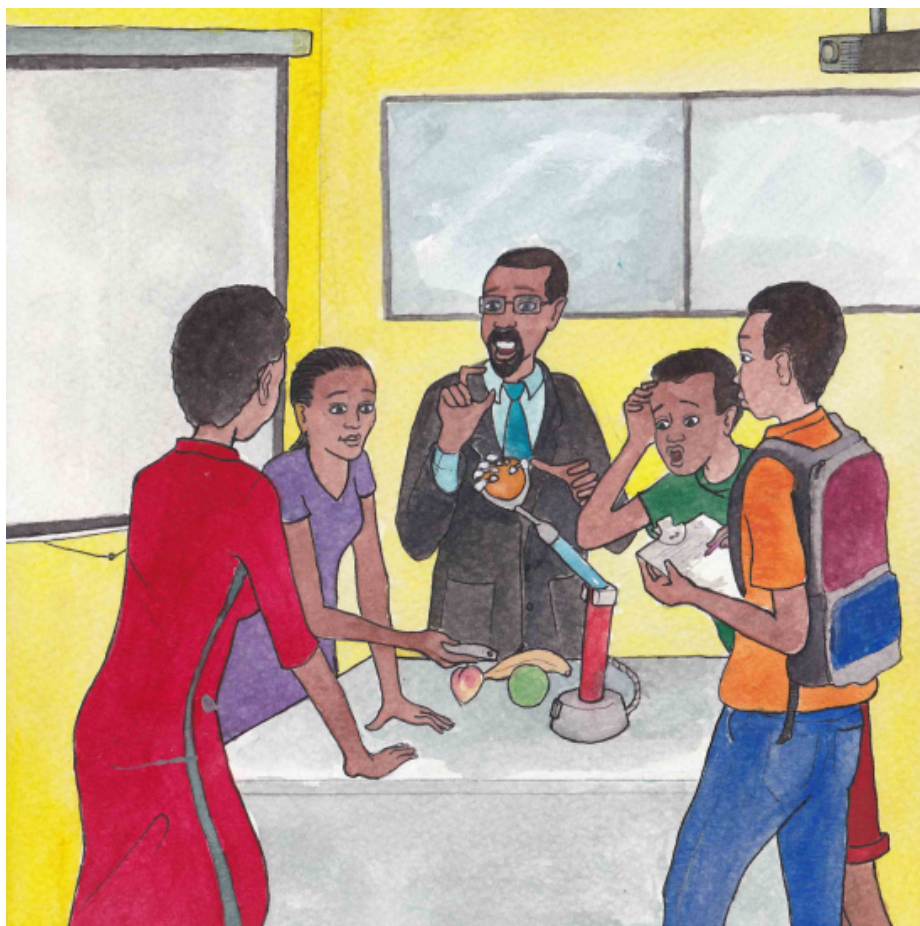
Buciko lobentiwa ngemakhompuyutha ngulapho imishini yenta khona imisebenti levame kudzinga kuhlakanipha kwebantfu.

Tshilidzi wasungula luhlelo lwe-*software* lolwenta emakhompuyutha akhone kusebenta ngetinfo!



Lamuhla, Tshilidzi unguchwepheshe wemhlaba wonkhe webuNjiniyela beMishini kanye neSayensi yemakhompuyutha. Phrofesa Marwala umatasatasa ngetindlela tekwenta kutsi emakhompuyutha akwati kwentela bantfu tintfo letinyenti.

Nasi sibonelo, buciko lobentiwa ngemakhompuyutha bungakhona kusita bantfu emabhange, etibhedlela kanye nasetikolweni.



Umsebenti waTshilidzi unake kakhulu indlela iThekhnoloji lengasita ngayo ekwakheni emafuba emsebenti nekutsi isisite siphile timphilo letincono.

Ufaka sandla elwatini lolumayelana neSayensi kanye neThekhnoloji.

Kuphila kwakhe kuveta kubaluleka kwemfundvo nekusebenta ngekutikhandla. Kanye nemandla ekuba nelilukuluku!

—Imibuto

1. Bobani labenta Tshilidzi wafuna kuba nguSoyensi? Yini lekwenta usho njalo?
2. Yini Tshilidzi layifundza esikolweni labefundza kuso?
3. Iyini 'iSoyensi yemaKhompuyutha'? Tfolo lokwengetiwe ngayo.
4. Uyini umsebenti 'waboNjiniyela beMishini'? Fundza ngemsebenti wabo.
5. Yini leyenta umsebenti wagogo Tshianeo wekwenta titja telubumba kutsiwa ngumsebenti webuNjiniyela?
6. Chaza kutsi Isoyensi neThekhnoloji kusita njani ekusunguleni imisebenti kanye nekwenta imphilo ibe ncono kubo bonkhe bantfu.
7. Fundza kabanti ngekutsi buhlakani bekwenta (i-AI) buyini.

—Tincwadzi letikuloluchungechunge

- Andile Mji
- Asnath Mahapa
- Bongani Mayosi
- Charlotte Maxeke
- Mmantsane Moche Diale
- Mulalo Doyoyo
- Tebello Nyokong
- Tshilidzi Marwala

Lendzaba icanjwe yaphindze yabhalwa ngesiVenda, njengencenye yephrojekthi yetintfo tekufundza te-Zenex Ulwazi Lwethu nga-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).



basic education

Department:
Basic Education
REPUBLIC OF SOUTH AFRICA

*The Ulwazi Lwethu readers and storybooks have
been quality assured and approved by DBE.*

Your attribution should include the following:

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Language: Siswati



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