



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, Tshianeone.

Gogo Tshianeone 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 buNjiniyela 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 nebuNjininiyela
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 ngetintfo!



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 ematfuba 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 nguSosayensi? Yini lekwenta usho njalo?
2. Yini Tshilidzi layifundza esikolweni labefundza kuso?
3. Iyini 'iSayensi 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 Isayensi 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



Lenzaba icanjwe yaphindze yabhalwa ngesiVenda,
njengencenye yephrojekthi yetintfo tekufundza te-
Zenex Ulwazi Lwethu nga-2020.