



**Sitatimende
SeKharikhulamu
SaVelonkhe LesiBuketiwe
EmaBanga R-9
(Tikolo)**

Sibutsetelo Jikelele



DEPARTMENT OF EDUCATION
(LITIKO LETEMFUNDVO)

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Lombhalo ufanele ufundvwe njengencye yeSitatimende lesiBuketiwe seKharikhulamu saVelonkhe semaBanga R-9 (Tikolo).

Sitatimende seKharikhulamu saVelonkhe seliBanga R-9 (Tikolo) sifaka ekhatsi loku:

1. Sibutsetelo Jikelele
2. TiTatimende tetiNkhundla tekuFundza Letisiphohlongo

SATISO KUBAFUNDZI

Litiko leTemfundvo liyatigcabha kwetfula lesiTatimende seKharikhulamu lesiBuketiwe saVelonkhe emaBanga R-9 (Tikolo) ngatotonkhe tilwimi letili-11 letisemtsetfweni eNingizimu Afrika.

Lomshikashika wekuveshina nekuhumusha umetima futsi unenchab-hayi. Etikhatsini letinyenti itheminoloji nemishwana leyakhiwako yalekharikhulamu bekumele yakhiwe bantfu labasebentana nalemibhalo. Lemibhalo yayiswa etikolweni kanye nakubochwepheshe balendzima.

Litiko leTemfundvo libona lemibhalo njengesicalo semshikashika wekucinisa nekwandzisa tilwimi tetfu. Siyamukela futsi siyagcugcutela bantfu bakulenzima kusebentisa lemibhalo njengesisekelo sekutfufukisela embili.



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Kutfutfukiswa kwekharikhulamu yavelonkhe kuyingucuko lebalulekile kunoma ngusiphi sive. Ezingeni layo lelibanti inchubo yetfu yetemfundvo nekharikhulamu yayo yetfula imibono yetfu njengemmango neliphuhombono letfu lekutsi siwubona kanjani ummango lomusha lokhonjiswa kubantfwana nakubafundzi betfu. Ekukhetseni kwalo kutsi yini lefanele ifakwe kukharikhulamu, limelela tintfo lokumele sicale ngato nalesicabanga kutsi yini leyenta imfundvo lenhle nalejulile.

Lekharikhulamu ibhalwe takhamiti teNingizimu Afrika futsi yetakhamiti letibambebele kumitsetfomigomo lebalulekile nekuphila imphilo yentsandvo yelinyenti. Ibeka ngalokufisha liphuhombono lebafundzisi nebafundzi labanelwati, tinhlangotsi letinyenti labaneluvelomiva etintfweni letiphatselene nendzawo bakhone kwenta, bamelane netinselele letisatawubukana neNingizimu Afrika kuleminyaka lengemashumi lamabili etinkhulungwane (21st century).

Kepha kufanele sibe nebucinisa balokungazuzwa nalokungeke kwazuzwa yikharikhulamu. Kungalingani kanye nekuba mphofu kutawuhlupha simo semfundvo sebantfwana bemindeni leminyenti. Lekharikhulamu itawutsatseka kabi etimeni letinyenti iphindze isetjentiswe emasikweni lamanyenti lehlukene. Sitayilungisa siyitfutfukise ngelizinga lelisetulu lesingafinyelela kulo. Sitawuphindza futsi sente konkhe lokusemandleni etfu kubonakalisa liphuhombono layo ngekutsi kulungiswe konkhe lokuphatselene nekufundzisa nekufundza.

Loku kubita kutinikela nekufaka sandla kwabo bonkhe labasebenta kutemfundvo. Sidzinga kubambisana lokugcwele kwemBuso, batali, bafundzisi, bafundzi kanye nemmango jikelele. Ngiyetsemba kutsi leSitatimende lesiBuketiwe seKharikhulamu saVelonkhe sitawumumatsa emaphupho latawutfutfukisa lolubambiswano lube yimphumelelo.



SOLWATI KADER ASMAL, MP
INDVUNA YETEMFUNDVO

Emhlanganweni walo lophutfumako wamhlaka 12 iNyoni 1997, LiKomiti letinhloko teliTiko leteMfundvo (*Heads of Education Department Committee*) laphakamisa sincomo sekutsi ngcongcoshe emukele *Luhlaka lwesiTatimende seKharikhulamu saVelonkhe yemaBanga R-9*. Lwachubeka loludzaba lwendluliselwa etitsebeni teMkhandlu waboNgcongcoshe beMfundvo (Council of Education Ministers) labefike bayemukela emhlanganweni wabo wamhlaka 29 iNyoni 1997, njengemiculu lemitsatfu yemigomomtsetfo leyehlukene lokusiGaba saboKhewane, siGaba lesisemKhatsini kanye nesiGaba LesiPhakeme.

Emhlanganweni wangenyanga yaNhlaba nga-2000 uMkhandlu waboNgcongcoshe beTemfundvo wavumelana ngekutsi *LesiTatimende seKharikhulamu yaVelonkhe yemaBanga R-9* kumele sibuketwe ngekwetincomo teMbiko weLikomidi leKubuketa (31 iNkhwenkhweti 2000) kuncwela nekucinisa iKharikhulamu 2005.

Likomidi LemKlamo lelikhetfwe nguNgcongcoshe kute litewuNcwela liCinise iKharikhulamu 2005 laniketwa lomsebenti. Umsebenti wekubuketa wacala ngaBhimbidwane inemalunga latfutukisa ikharikhulamu langaba ngu-150 latsatfwe kutemfundvo. Ngemhlaka 30 Kholwane 2001 *LesiTatimende leSibuketiwe seKharikhulamu yaVelonkhe emaBanga R-9* (Tikolo) sakhishelwa sive kutsi sifake luvo lwaso esikhatsini lesingaba tinyanga letintsatfu. NgaLweti 2001, kwentiwa tinkhulumiswano letivulekile ngalekharikhulamu. Emva kwekutsi lokushiwo sive kanye nalokutfolakele etinkhulumiswaneni letivulekile sekwamukelwe kwahlatiwa, emacembu lasebentako ekharikhulamu eliKomidi lemKlamo waNgcongcoshe labuye lahlanganiswa ngeNgongoni 2001 kufaka letincomo tekuntjintja kutewenta ncono. Lombhaloumphumela waleyo nchubo.

Lombhalo nesiTatimende setiNkhundla tekufundza letishicilelwe njengalokwengetiwe kucuketse *siTatimende leSibuketiwe seKharikhulamu yaVelonkhe yemaBanga R-9* (Tikolo). Kuhlangene loku nyalo sekuvala siTatimende leSibuketiwe seKharikhulamu yaVelonkhe semaBanga R-9 leyaphasiswa nga-1997 uma seyingeniswiwe kulenchubo.

INchubomgomo yeKuvivinya lekungiyi ikhona yamhlaka 23 iNgongoni 1998 (iGazethi yaHulumende 19640) ifanele kutsi ifundvwe ngekuyihlanganisa nesiTatimende leSibuketiwe seKharikhulamu yaVelonkhe kanye netigaba letifanele tesiTatimende seNkhundla yekufundza ngayinye. Kudzimate kube

ngu-2008, inchubomgomo yekucecesha lephatselene nekuklonyeliswa titifiketi itawusebenta. Kusukela lapho siTifiketi seMfundvo nekuCecsha Jikelele lekumiselwe kusi*Tatimende leSibuketiwe seKharikhulamu yaVelonkhe lesiBuketiwe* kutawusebenta. SiTifiketi seMfundvo nekuCecsha Jikelele kwekufundza lokuphocelwe kungiko konkhe kuklonyeliswa kwasetikolweni lekumiselwe ezingeni lekuzuzwa ngalo imiphumela yekufundza ngemacophelo ekuhlola eliBanga 9.



THAMI MSELEKU
UMCONDZISI-JIKELELE

Hulumende wentsandvo yelinyenti eNingizimu Afrika wemukela luhlelo lwetempfundvo lolwehlukene luphindze lungabinako kulingana. Ngephasi kwembuso welubandlululo iNingizimu Afrika beyinematiko lalishumi nemfica labehlukaniswe ngekwebuhlanga, ngekwendzawo kanye nangekwemibono yekuphila. Loluhlelo lwempfundvo lwalulolonga bafundzi ngetindlela letehlukaniswe tikhala lebebabhekeke kutsi batigcwalise emphilweni kutenhlaliswano, kutemnotfo, nakutepolitiki ngephansi kwembuso welubandlululo. Kumunye ngamunye umkhakha wemphilo ikharikhulamu beyifaka sandla ngalokunemfutfo kabi, ekugcizeleleni inchubo yekungalingani. Kwekutsi bantfwana bebefundza ini, kanjani, kwakulawulwa kutsi kubhekeke babe kutiphi tikhundla emmangweni ngebubanti bawo.

Kuguculwa kweKharikhulamu yeNingizimu Afrika kwenteka masinyane ngemuva kwekwendlula kwelukhetfo lwanga-1994 ngesikhatsi uMkhandlu weTempfundvo nekuCecsha waVelonkhe ucala umshikashika wekubuketa luhlelo lwetifundvo (syllabus) kanye nekubuka tifundvo ngeliso lelinetizatfu. Inhloso lenkhulu yalomshikashika kwakukwendlala tisekelo teluhlelo lwetifundvo lunye lolutawuba ngumnyombo wetinhlelo tekufundza kuVelonkhe. Ngetulu kwekukhetsa ngetizatfu letitsite kanye nekubutsela ndzawonye letinhlelo tetifundvo letativele tikhona, batfutukisi bekhariikhulamu lokunguMkhandlu weTempfundvo neKucecsha waVelonkhe baphindze bakhapha lonkhe lulwimi loluvelo lubonakale kalula kutsi luyabandlulula nalolungenakucabangelana lolwalukhona kulamasilabhasi labevele akhona. Kwakukwekucala ngca kutsi tincumo letimayelana nekharikhulamu titsatfwe ngekuhlanganyela nangekutsatsa imibono yalabamele bonkhe bantfu. Kepha-ke lomshikashika we-NETF awumange kantsi futsi wawungakahlosi kutfutukisa ikharikhulamu.

Umbhalo Imfundvo Yemphilo Yonkhe Ngekusebentisa Luhlaka lweKharikhulamu yaVelonkhe wanga-1996, kwaba nguwo loba sitatimende sekharikhulamu lesikhulu sekucala ngca eNingizimu Afrika lenentsandvo yelinyenti. Lwati lwekuwuhlanganisa lwatsatfwa kuMtsetfolilinga weTempfundvo nekuCecsha wanga -1995 (White Paper on Education and Training (1995) uMtsetfo WeTicu eNingizimu Afrika No. 58 wanga-1995 (South African Qualifications Act no. 58 of 1995) kanye neMtsetfomgomo weTempfundvo kuVelonkhe (No. 27 wanga-1996) (National Education Policy Act (No. 27 of 1996). Ngekusho kweMtsetfolilinga kwagcizelelwa sidzingo sekutsi kube nengucuko lenkhulu kutempfundvo nekucecsha kuleli leNingizimu Afrika, kute kutewubuyiselwa simo sibe

ngulesikahle lokungiko lokutawugucula kufundzisa nekufundza eveni leNingizimu Afrika. Waphindze wakhutsata sidzingo sekutsi kusukwe kulendlela yetinjongo netinhloso leyayilandzelwa kudzala kungeniswe imfundvo lemiselwe emakhono. Kwabe sekuvela umbononchanti lotsi:

Kwakha live lelinenchubekelaphambili, lelibumbene ngempela kanye nalelitawukwati kuchudzelana nemave ngemave, lelinetakhamuti letinelikhono lekucamba nekubona tintfo ngeliso lelibukhali, letiphila imphilo lenekukhucita, lenetisako eveni lelingenaludlame, lingenakubandlulula nekubuka ngalicala linye.

UMtsetfomgomo weMfundvo kuVelonkhe (Nombolo 27 wanga-1996) wabeka sisekelo sekutsi kutfutukiswe emasu ekwakha ikharikhulamu lemiselwe emakhono lokungulalandzelako:

- ▶ Imiphumela Jikelele Lengena kuMikhakha Yonkhe Yekufundza (letawugcina seyatiwa ngekutsi imiphumela jikelele kanye naletfutukisako kantsi yacala ngekuhlanganiswa kuMtsetfo we-SAQA wanga-1995).
- ▶ ImiPhumela Ngco
- ▶ TiTatimende teMgamu
- ▶ Indlela yekuHlola
- ▶ Tinkhomba Tekwenta
- ▶ Sikhatsi lesinconyelwa umfundzi losenzimani ngekukhalipha kutsi abe ente ngaso umsebenti wekufundza lotsite.
- ▶ Sikhatsi lakhetsa kusisebentisa umfundzi kutsi ente umsebenti lotsite wekufundza, Kuhlola lokuchubekako, Kucopha umbiko kanye neKubika.

Emasu lekangetiwe kulawa ahlanganiswe eminyakeni lelandzelako kantsi wona afaka ekhatsi lawa:

- ▶ Tihloko letentiwako
- ▶ Bahleli beTinhlelo teMfundvo
- ▶ Emazinga labhekiwe ekwenta
- ▶ Tinhlelo tekufundza

Ngenyanga yeMphala nga-1997 kwashicilelwa Sitatimende seKharikhulamu saVelonkhe emaBanga R-9 (Tikolo) ngekwekusho kweSatiso saHulumende 1445. Umtsetfomgomo wekuHlola kuMkhakha weteMfundvo nekuCecsha Jikelele

Libanga R-9 kanye nakuMkhakha weMfundvo Yalabadzala nekuCecsha wangeniswa ngeNgongoni 1998 (ngekwesiLawulo 19640). Yatsi nayingeniswa etikolweni ngemnyaka wa-1998 iKharikhulamu 2005 kanye nekusetjentiswa kwayo yahlolisiswa Likomidi laboNgcongcoshe nga-2000. Lokwakhloswe kuloluhlolisiso kwakusakhiwo kanye nekuhleleka kwekharikhulamu, kungenisa umfundzisi kuloluhlelo, kucecsha nekutfufukisa, tintfo letingesekela umsebenzi wekufundzisa, kwesekelwa kwebafundzisi labasetikolweni kanye nekubuka kuma kwetikhatsi tekungeniswa nekusetjentiswa kwaloluhlelo. LiKomidi laboNgcongcoshe lekuBuketa letfula umbiko walo mhlaka 31 iNkhwekhweti 2000.

LeliKomidi leKubuketa laphakamisa tincomo tekutsi kuciniswe kuphindze kwentiwe tidzingo tekwenta lekharikhulamu isondzelane nalabatayisebentisa, timphawu tayo tekuhlelenjiswa nekwenta ncono lulwimi lwayo ngekutsi kukhishwe siTatimende seKharikhulamu saVelonkhe. Kwengeta kuloko laphakamisa sincomo sekutsi lesiTatimende lesiBuketiwe seKharikhulamu saVelonkhe sifanele sehlise timphawu tekuma kwaso ngekutsi tisuke kuletisiphohlongo tiye kuletintsatfu: lokungumiphumela yekutfufukisa jikelele, imiphumela yekufundza kanye nemacophelo ekuhlola. Ifanele iphindze yente kube nekuhambisana kwekharikhulamu nekuhlola. Kwengeta kuloko yancoma kutsi kusetjentiswa kwayo kutawuba nekusimama uma ngabe kutawubukwana nekutsi kwentiwe ncono indlela yekungenisa bafundzisi kanye nekubacecsha, kwenta kube khona tintfo letesekela kufundzisa kanye nelusito lwasetifundzeni. Yaphindze yaphakamisa sincomo sekutsi kufanele kube nekucekiswa kwesikhatsi sekusetjentiswa kwayo kungabi nekutatatela.

NgeNhlaba 2000, uMkhandlu waboNgcongcoshe beTemfundvo watemukela letincomo letatiphakanyisiwe ngalekharikhulamu letatiletfo liKomidi leKubuketa. Kwatsi ngaKholwane 2000, iKhabhinethi yatsatsa lesincumo:

Kutfufukiswa kweSitatimende seKharikhulamu saVelonkhe, lesitawubukana ngalokucondzile nangelulwimi lolumelula nekutsi ngutiphi tidzingo talekharikhulamu kutigaba nemabanga lehlukene, kufanele kutsi kucalwe masinyane. Sitatimende lesinjalo sifanele nekutsi siphindze sibukane netintfo letimayelana nekuba nemtsamo lomkhulu kakhulu kantsi sifanele sinikete inchazelo lephelele ngeluhlobo lwemfundzi mayelana nelwati, emagugu netindlela tekubukana nemphilo - lokubhekeke kutsi abe ngiko ekupheleni kwemkhakha weMfundvo nekuCecsha Jikelele (GET)

Kubuketwa kweKharikhulamu 2005 kwakhipha luhlaka lwesiTatimende lesiBuketiwe seKharikhulamu saVelonkhe emaBanga R-9 (Tikolo). Loluhlaka lwesiTatimende lesiBuketiwe seKharikhulamu saVelonkhe emaBanga R-9 (Tikolo) sakhishwa setfulwa esiveni kutsi siphawule ngaso mhlaka 30 Kholwane 2001. Kwatsi emva kwaloko sabe sesiyabuketwa ngekufaka kuphawula kwesive emkhatsini waleminyaka 2001/2002. LesiTatimende lesiBuketiwe seKharikhulamu saVelonkhe akusiyo ikharikhulamu lensha kepha ikuncwela nekuciniswa kweKharikhulamu 2005. Kugcina imigomo ihlangene, tinhloso nelitsembe leKharikhulamu 2005 futsi ivumela kutibophetela kwemfundvo lemiselwe emakhono.

Kusachubeka lomsebenti wekubuketa lekharikhulamu, lokwenteka etikolweni kusukela kumaBanga R - 9 (Tikolo) bekuchutjwa ngekwekubeka kwemtsetfomgomo waphambilini. Kutawutsi singaba ngumtsetfomgomo lesiTatimende lesiBuketiwe seKharikhulamu saVelonkhe sitawube sesivala lekharikhulamu yaphambilini kanye nemitsetfomgomo itawuvala lesiTatimende lesiBuketiwe seKharikhulamu saVelonkhe semaBanga R-9 (Tikolo) lesavunywa nga-1997. Kusetjentiswa kwalesiTatimende lesiBuketiwe seKharikhulamu saVelonkhe emaBanga R-9 (Tikolo) esiGabeni saboKhewane kuhlelelwe kutsi kucale nga-2004.

LeSibutsetelo Jikelele singenisa sibuye setfule sendlalelo saletiTatimende tetiNkhundla tekufundza letisiphohlango lekungito letakha sisekelo sesiTatimende seKharikhulamu saVelonkhe semaBanga R-9 (Tikolo) kumkhakha wesiTifiketi seMfundvo nekuCecsha Jikelele.

UMtsetfosisekelo, KwaKha Sive, kuTati ngekwebuve kanye neKharikhulamu

UMtsetfosisekelo, KwaKha Sive, kuTati ngekwebuve kanye neKharikhulamu

UMtsetfosisekelo weNingizimu Afrika wanga-1996 (Umtsetfo 108 wanga- 1996) uphawula ngesisekelo sengucuko nentfutuko eNingizimu Afrika lesikuyo. Lesendvulelo seMtsetfosisekelo sibeka kutsi injongo yeMtsetfosisekelo kwenta loku:

- ▶ Kuvala luchekeko lwaphambilini kanye nekusungula umphakatsi ngekwemagugu entsandvo yelinyenti, kwebulungiswa kutenhlalo kanye nemalungelo ebuntfu lasisekelo.
- ▶ Kwenta ncono imphilo yato tonkhe takhamuti kukhululwe emakhono langafinyelela kuwo umuntfu ngamunye.
- ▶ Kwendlala tisekelo tentsandvo yelinyenti netemphakatsi lovulekile, lokutinte kuwo hulumente losekelwe yintsandvo yelinyenti nesakhamuti ngasinye lesivikelwa ngumtsetfo ngekulingana.
- ▶ Kwakha iNingizimu Afrika lenentsandvo yelinyenti iphindze ibumbene, ikwati kutsatsa sigaba sayo lesifanele njengolive lelitimele emndenini wemave.

Imanifesto yemaGugu, iMfundvo neNtsandvo yelinyenti (weLiTiko leTemfundvo, 2001) ibeka emagugu lalishumi lakuMtsetfosisekelo. Abekwe kanjena:

- ▶ Idemokhrasi (intsandvo yelinyenti).
- ▶ Tebulungiswa kuteNhlalo neKulinganisa.
- ▶ Kungabandlululi ngeKwebuve nangeKwebulili.
- ▶ Buntfu (Sitfunti sekuba nguMuntfu).
- ▶ Umphakatsi Lovulekile.
- ▶ Kukwati Kuphendvulela Lokwentile (Kubukana netibophu).
- ▶ Inhlonipho.
- ▶ Kusebenta KweMtsetfo.
- ▶ Kubuyisana.

LeManifesto ichubeka ibeke emasu lalishumi nesitfupha (16) ekwetayeta lusha lweNingizimu Afrika lamagugu latfolakala kuMtsetfosisekelo. Lamagugu endlalwa kahle kulesiTitimende lesiBuketiwe seKharikhulamu saVelonkhe kantsi afaka ekhatsi loku:

- ▶ Kukhulisa lisiko lekuchumana nekutibandzakanya nalokwentekako esikolweni.
- ▶ Kuba sibonelo lesihle: kutfutukisa kutifaka ngalokuphelele kanye nekutimisela kubafundzisi.
- ▶ Kwenta siciniseko sekutsi wonkhe umuntfu weNingizimu Afrika uyakwati kufundza, kubhala, kubala nekucabanga.
- ▶ Kungenisa ekilasini lisiko lemalungelo ebuntfu.
- ▶ Kwenta Tebuciko neTemasiko tibe yincenye yekharikhulamu.

- ▶ Kubuyisela Temlandvo kukharikhulamu.
- ▶ Kufundza ngekunotsa kwemasiko netinkholelo kanye nemibono yemhlaba lapho kubumbana kweNingizimu Afrika kubonakala khona.
- ▶ Kwenta bulwimilwimi kube yintfo leyentekako.
- ▶ Kusebentisa temidlalo tibe nesandla ekuciniseni budlelwano kutenhlalo kanye nekugcugcutela kwakheka kwesive etikolweni.
- ▶ Kwenta kube nesiciniseko sekutsi imfundvo itfolakale kuwonkhewonkhe ngalokulinganako.
- ▶ Kukhutsata kungabi khona kwelubandlululo etikolweni.
- ▶ Kukhulula emandla ekwenta tintfo kumantfombatana nakubafana.
- ▶ Kubukana neHIV/AIDS kanye nekukhulisa lisiko lekuba netibopho kutelicansi netenhlaliswano.
- ▶ Kwenta tikolo tibe yindzawo lephephile yekuchuba umsebenti wekufundza nekufundzisa nekwenta siciniseko sekutsi umtsetfo uyasebenta.
- ▶ Kukhulisa indlela yekutiphatsa kanye nemmango wemvelo.
- ▶ Kukhulisa umoya lomusha wekutsandza live nome kucinisa kuba sakhamuti ngalokufanako.

UMtsetfosisekelo ubeka kutsi emagugu ebuve kutenhlalo nalokubhekekile kumisebenti, ibe nemalungelo kanye netibopho tetakhamuti eNingizimu Afrika lenentsandvo yelinyenti. Umtsetfosivivinyo weMalungelo ubeka ugcizelele kakhulu kubaluleka kwekulingana, kwesitfunti sebuntfu, kwemphilo nekwenkhululeko kanye nekwekuvikeleka kwemuntfu. Lawa kanye nalamanye emalungelo enkhululeko yetenkholo nekukholelwa, yekukhuluma nekutayelana, asebenta kanye nemalungelo ekuphilisana kahle kutemnotfo. Umuntfu ngamunye unelilungelo lekukhululeka ebuphuyeni, ekundzindzeni likhaya, imphilo lephasi kanye nendlala.

LesiTatimende lesiBuketiwe seKharikhulamu saVelonkhe sihlose kubhica lamagugu nelwati kanye nemakhono lahlose kulutfufukisa. Kugcugcutela kubafundzi bonkhe kucaphelisisa nekuvisisa ngekunotsa kwemasiko netinkholelo kanye nemibono yemhlaba lapho kubumbana kweNingizimu Afrika kubonakala khona.

LuHlobo lweMfundzi loHlosiwe

LuHlobo lweMfundzi loHlosiwe

Inselele lenkhulu yesiTatimende lesiBuketiwe seKharikhulamu saVelonkhe kutawuba kubona kutsi atawungeniswa kanjani lamagugu ekuphilisana ngebulungiswa, kulinganisa kanye nangentsandvo yelinyenti kuyo yonkhe lekharikhulamu. Kugcugcutelwa kwemagugu emphilo kubaluleke kabi, hhayi nje ngobe kutawutfukisa buyena bakhe umuntfu kepha ngobe kutawuletsa siciniseko sekutsi kube khona kutati ngekwebuve beNingizimu Afrika, kantsi bususelwa kumagugu lahluke kabi kulawo labekasekela imfundvo yelubandlululo.

Luhlobo lwemfundzi lohlosiwe ngulolo lolutawube lufuntwe emagugu ekuphila angena emitsanjeni yakhe lotawenta tintfo ngalokutfokotisako emmangweni lokusekelwe kuhlonipha intsandvo yelinyenti, kulingana, sitfunti sebuntfu, imphilo kanye nebulungiswa bekuhlalisana.

Lekharikhulamu ihlose kutfukisa emandla emfundzi ngalokuphelele. Ifuna kwakha umfundzi lotawufundza imphilo yakhe yonkhe, lonesibindzi nalotimele, lofundzile, lokhona kusebenta ngetibalo, lonemakhono lahlukene, lonesihawu, lohlonipha ummango nemvelo lophindze abenelikhono lekufaka sandla emmangweni njengesakhamuti lesikhaliphile nalesinemdlandla.

LuHlobo lweMfundzisi loHlosiwe

LuHlobo lweMfundzisi loHlosiwe

Bafundzisi kuwo onkhe emazinga banesandla lesikhulu ekuguculeni imfundvo eNingizimu Afrika. Bothishela banelichaza lelibalulekile lekumele balibambe. SiTatimende seKharikhulamu saVelonkhe sihlose bothishela labacechesiwe, labanemakhono, labatinikele nalabanakekelako futsi labatakwati kwenelisa imisebenti kumiTsetfo nemaCophelo ebaFundzisi anga-2000 (iGazethi yaHulumeni Nombolo 20844). Loku kubona bothishela njengebachumanisi bekufundza, bahumushi nebakhi betiNhlelo tekufundza nalokufundvwako, baholi, baphatsi, tifundziswa, bacubunguli nalabafundzela imfundvo yemphilo yonkhe, emalunga emphakatsi, takhamiti, nebafundisi, bahloli kanye nabochwephesha betinkhundla/tigaba tekufundza.



Sakhiwo SesiTatimende Lesibuketiwe SeKharikhulamu SaVelonkhe SemaBanga Etikolo (Libanga R-9)

*Sakhiwo SesiTatimende Lesibuketiwe
SeKharikhulamu SaVelonkhe SemaBanga
Etikolo (Libanga R-9)*

SiTatimende lesiBuketiwe seKharikhulamu saVelonkhe sineSibutsetelo Jikelele kanye netiTatimende tetiNkhundla tekufundza letisiphohlongo.

KunetiNkhundla tekufundza letisiphohlongo kulesiTatimende seKharikhulamu saVelonkhe. INkhundla yekufundza yindzima yelwati, emakhono nemagugu lanetimphawu letehlukile lephindze ibe nekuchumana naletinye tindzima tetinkhundla telwati nekufundza. KuleSiTatimende lesiBuketiwe seKharikhulamu saVelonkhe tinkhundla tekufundza kuba nguleti:

- ▶ Tilwimi
- ▶ IMetametiki
- ▶ ISayensi yeTemvelo
- ▶ IThekinoloji
- ▶ ISayensi yeTeNhlalo
- ▶ Tebuciko neMasiko
- ▶ Tekuphila
- ▶ TeSayensi yeTemnotfo nekuPhatsa

Budlelwano lobukhona emkhatsini wemalungelo ebuntfu, imvelo lenemphilo kanye nebulungiswa betenhlalo bunakiwe kusiTatimende seNkhundla yekufundza ngayinye.

SiTatimende seNkhundla yekufundza siniketa inkhombandlela nalokubhekekile kusuka kuLibanga R kuya ku- 9 etikolweni kuMkhakha wesiTifiketi seMfundvo nekuCecsha.

ImiTsetfomgomo yesiTatimende lesiBuketiwe seKharikhulamu saVelonkhe

ImiTsetfomgomo yesiTatimende lesiBuketiwe seKharikhulamu saVelonkhe

SiTatimende lesiBuketiwe seKharikhulamu saVelonkhe setikolo (Libanga R-9) sakhelwa kumbonochanti kanye nemagugu emphilo lakuMtsetfosisekelo kanye nakuKharikhulamu 2005. Lemitsetfomgomo ifaka ekhatsi lokulandzelako:

Bulungisa beTehlalo, uMmango lophilile, Emalungelo eLuntfu kanye nekuButsela ndzawonye

Bulungisa beTehlalo, uMmango lophilile, Emalungelo eLuntfu kanye nekuButsela ndzawonye

Ikharikhulamu ingadlala indzima lenkhulu kabi ekuletseni kubona budlelwano lobukhona emkhatsini wemalungelo eluntfu, ummango lophilile, tebulungiswa kutenhlaliswano kanye nekubutsela ndzawonye. Kulamanye emave loku kwentiwa ngekutsi kube nesifundvo semalungelo eluntfu kanye nekutiphendvulela njengesakhamuti selive (civics) SiTatimende seKharikhulamu lesiBuketiwe saVelonkhe setame kwenta siciniseko sekutsi tonkhe tiTatimende teNkhundla yekuFundza tivete imigomo netinchubo tebulungiswa kutenhlalo, kuhlonipha ummango kanye nemalungelo eluntfu njengekuchazwa kwako kuMtsetfosisekelo. Ikakhulukati lekharikhulamu yetama kutsi ibe neluvelo etindzabeni tebuphuya, kungalingani, buve, bulili, budzala nebuncane, kukhubateka kanye netinselele letifana neHIV/AIDS.

SiTatimende seKharikhulamu lesiBuketiwe saVelonkhe sisebentisa indlela yekubutsela ndzawonye ngekutsi sibeke kucace buncane lobusidzingo kuye wonkhe umfundzi. Tidzingo letikhetsekile temfundvo kanye netenhlalo temphefumulo netemtimba titawunakwa kulesakhiwo nentfutuko yetinhlelo tekufundza letifanele.

Imfundvo leMiselwe emaKhono

Imfundvo leMiselwe emaKhono

IMfundvo leMiselwe emaKhono itsatsa inchubo yekufundza njengalebaluleke ngalokufana nemsebenti lofundvwako. Kokubili inchubo kanye nalokucuketfwe yimfundvo kugcizelelwa ngekubeka ebaleni imiphumela lokufanele itfolakale ekupheleni kwalenchubo. KulesiTitimende lesiBuketiwe seKharikhulamu saVelonkhe imiphumela yekufundza kanye nemacophelo ekuhlola kuhlelwe ngekwehla kusukela kumiphumela jikelele kanye nakuletfufukisako.

ImiPhumela Jikelele kanye naleTfufukisako iluhlu lwemiphumela letonyulwe kuMtsetfosisekelo kantsi iphindze ibe khona nakuMtsetfo weTicu waseNingizimu Afrika (wanga-1995). Ichaza luhlobo lwesakhamuti lolutawakhiwa luhlelo lwemfundvo nekucesha. ImiPhumela Jikelele ihlose kwenta umfundzi loya esikolweni akhone kwenta loku:

- ▶ Kutfola baphindze basombulule tinkinga kanye netincumo ngekusebentisa kucabanga lokujulile nalokunekucamba.
- ▶ Kusebenta ngemphumelelo nalabanye ecenjini, kulidlanzana, enhlanganweni kanye nakumphakatsi.
- ▶ Kutihlela baphindze balawule labakwentako ngekutfobela tibopho ngalokufanele kanye nangemphumelelo.
- ▶ Kugcogca, kuhlatiya, kuhlela kanye nekuvivinya lwati ngalokujulile
- ▶ Kuchumana ngemphumelelo basebentise amakhono ekubuka, etimphawu newelulwimi etimeni letehlukene.
- ▶ Kusebentisa iSayensi kanye neThekinoloji ngalokuyimphumelelo nangekuhlatiya, kukhombisa kwenta lokufanele emmangweni lohlala kuwo kanye nasemphilweni yalabanye.
- ▶ Kukhombisa kuvisisa kutsi umhlaba uligcogco letinhlelo letihlobene ngekubona kutsi timo tekucatulula tinkinga atiphili titodvwa.

Imiphumela letfufukisako yona ihlose bafundzi labaphindze bati loku:

Basebentise ngemphumelelo emasu lahlukene ekusombulula tinkinga letiveta tindlela letehlukene tekucabanga, kuveta kutsi timo tekucatulula tinkinga atenteki titodvwa;

- ▶ Kuveta kanye nekugcamisa emasu lahlukene kute afundze ngemphumelelo.
- ▶ Kufaka sandla njengetakhamuti letenta lokufanele emmangweni wenzawo, wakuvelonkhe newemave emhlaba jikelele.
- ▶ Kuba neluvelo kutemasiko kanye nekutsandza buhle kuwo wonkhe umgamu wetimo tenhlalo.
- ▶ Kubheka ematfuba emfundvo kanye newemsebenti, kanye naloku:
- ▶ Kutfutukisa amatfuba ebuhwebi.

SiTatimende lesiBuketiwe seKharikhulamu saVelonkhe setama kubutsela ndzawonye siphakamisa umbonochanti wentsandvo yelinyenti wemmango kanye netakhamuti letitawuphuma kuloluhlelo lwesikolo.

Ngekusebentisa tinkhombandlela tetiTatimende teNkhundla yekuFundza, siTatimende lesiBuketiwe seKharikhulamu saVelonkhe sibona tinjongo, lokuhlosiwe kanye nemiphumela yekufundza lehambelanako kanye nemacophelo ekuhlola. Imiphumela yekufundza yeNkhundla yekuFundza ngayinye ibhaliwe ngemuva kuso lesiButsetelo Jikelele. Emacophelo ekuhlola akusiTatimende seNkhundla yekuFundza lesishicilelwe njengeTichibelo kuleSibutsetelo Jikelele.

Imiphumela nemacophelo ekuhlola agcizelela kutsi umfundzi afake sandla, kubukwane ngco nemfundzi kantsi loluhlobo lwemfundvo lusekelwe ngulokwentiwako. Sikhona sikhala lesishiyelwa kutsi thishela akhone kuticambela nekungenisa lokusha ngesikhatsi bahlatiya labafanele kutsi bakufundzise nekutsi bakufundze njani.

Imfundvo lemiselwe emakhono lelolongelwe kuhambelana nelive leNingizimu Afrika ihlose kuchukuluta imicondvo yebantfu labasha kute bakwati kuba nelichaza labalibamba emphilweni yetemnotfo neyetenhlaliswano. Ihlose kwenta siciniseko sekutsi bonkhe bafundzi bakwati kutfutuka bazuze bafinyelele emandleni abo lamakhulu kunawo onkhe labangafika kuwo, kantsi babe bahlomele kufundza imphilo yabo yonkhe.

Lizinga lelisetulu leMakhono neleKwati kwaWonkhewonkhe

Lizinga lelisetulu leMakhono neleKwati kwaWonkhewonkhe

SiTatimende Lesibuketiwe seKharikhulamu saVelonkhe sihlose kutsi sitfutukise lizinga lelwati nelemakhono kutsi libe nguleliphakeme kuye wonkhe umfundzi. Siphakamisa sibeke ezingeni lelisetulu lokubhekiwe

lokufanele umfundzi waseNingizimu Afrika abheke kukuzuza. Bulungisa betenhlalo bufuna kutsi leto tinhlangothi temmango letatingatfoli kuhlonyiswa phambilini ngesizathu sekungabi nelwazi nemakhono tifanele manje tihlonjiswa ngemandla ekutiphilisa. SiTatimende lesiBuketiwe seKharikhulamu saVelonkhe sihlose kwakha sisekelo lesicinile lokutawutsi kuso wonkhe umuntu akwati kutfutukisa emakhono nelwazi loluphakeme. Loko sikwenta ngekutsi sibeke ebaleni buncane belwazi nemakhono lokufanele azuzwe ngumfundzi ebangeni ngalinye sibuye sibeke silinganiso sekuphakama kwemazinga langatfolwa kuto tonkhe tiNkhundla tekuFundza.

Kucaca kanye nekuTfolakala kalula

Kucaca kanye nekuTfolakala kalula

SiTatimende lesiBuketiwe seKharikhulamu saVelonkhe sihlose kutsi kube nekucaca kanye nekuTfolakala kalula kuko kokubili kuhleliswa kanye nelulwazi. Timphawu tekuhleliswa letimbili - lokumiphumela yekufundza nemacophelo ekuhlola - abeka kucace kuye wonkhe umfundzi kutsi tinjongo nemiphumela ledzingekako kute endlulele ebangeni ngalinye lelilandzelako loluhlelo. Kwengeta kuloko siTatimende lesiBuketiwe seKharikhulamu saVelonkhe sitawutfolakala ngato tonkhe tilwazi kanye nelulwazi lwekufundza kwalabangaboni - ibhreyili.

Kuchubeka kanye nekuHlanganisa

Kuchubeka kanye nekuHlanganisa

Umgomo wekufundza lokuhlangene kubaluleke kakhulu kumfundvo lemiselwe emakhono. Kuhlanguhlanganisa kwenta siciniseko kutsi bafundzi batfolwa tinkhundla tekuFundza letihlanganisiwe naletihlobene. Loku kwesekela kubuye kwandzise ematfuba abo ekutfolwa emakhono, ekutfolwa lwazi newekutfutukisa simongcondvo nemagugu letungelete kuyo yonkhe ikharikhulamu.

Kubalulekile kutsi lekharikhulamu iye ngekushuba nayiya ngekuchubeka, ibe nekujula nebubanti kulokubhekwe bafundzi. Kuchubeka kwekukhanyelwa ligama lelisetjentiswa kuchaza loluphawu lwalekharikhulamu. KulesiTatimende lesiBuketiwe seKharikhulamu saVelonkhe emacophelo ekuhlola esiTatimende seNkhundla yekuFundza aniketa lokuchubeka kwekukhanyelwa kuNkhundla yekuFundza ngayinye kusuka ebangeni linye uye kulelinye.

Ngaso lesi sikhatsi, bafundzi abafanele kutsi basebente indzaba yemacophelo ekuhlola ngekuwahlukisa abe wodvwa. Kufanele kube nekuchumana ngekhatshi nekwendlulela kulokunye kwemiphumela yekufundza netiNkhundla tekuFundza. Imphumelelo yekutsi kulinganiswe emkhatsini wekuhlunganisa kanye nekuchubeka kwekukhanyelwa kusuka ebangeni linye uye kulelinye nguko lekungumnyombo walekharikhulamu.

Kutfutfuka njalo kwabothishela, emacembu laphetse etikolweni kanye nebaphatsi bemfundvo labasekelako bayincenye lebalulekile yalenhloso.

Sakhiwo kanye Nemagama Lasetjentiswe kuletiTatimende tekuFundza

Sakhiwo kanye Nemagama Lasetjentiswe kuletiTatimende tekuFundza

SiTatimende seNkhundla yekuFundza ngasinye sinetigaba letintsafu:

Singeniso: Lesigaba setfula siTatimende seKharikhulamu saVelonkhe kanye netiNkhundla TekuFundza letikhona-tinjongo kanye netimphawu letehlukile.

SiGaba semiphumela yekufundza kanye nematicophelo ekuhlola: Loku kubeka tidzingo nalokubhekekile kubafundzi ngekhetigaba siGaba saboKhewane (LiBanga R-3), siGaba lesisemKhatsini (LiBanga 4-6) kanye nesiGaba lesiPhakeme (LiBanga 7-9). Imiphumela yekufundza kanye nematicophelo ekuhlola afanele atsafwe ngekutsi ngulokungiko kuphasi nome kusisekelo selwati, emagugu nemakhono latawentiwa kepha kube kungasho kutsi ngiko konkhe lokutawufundziswa. Atjengisa kutsi yini lebaluleke kutsi kube nenchubeko kuloluhlelo kantsi akhiwe kusukela kulokubhekeke kuLiBanga 9.

Kunesigaba ngekuhlola: Lesigaba siniketa tinchubo-mgomo netinkhombandlela teluhlolo kanye netincomo tekucopha nekubika ngeluhlolo.

TinhluteKutsatsisa: Lesigaba sivama kutsi sibe netifinyeto, ema-akhronimi kanye nemagama lalukhuni lasetjentisiwe.

Tichibelo: Lesigaba sivama kutsi sibe netinhlelo tekuchubeka.

Uyini umPhumela wekuFundza?

Uyini umPhumela wekuFundza?

UmPhumela wekuFundza utfolakala kumiphumela jikelele kanye newekutfufukisa. Loku kuyinchazelo yaloko lokufanele kutsi kwatiwe bafundzi (kukhanyelwa, lwati, emakhono, tindlela tekubuka, kanye nemagugu) labatawuphindze bakwati kukwenta ekugcineni kwelibanga nome ngetulu kwaloko. Akukho kumataniswa ngco kwemphumela wekufundza nelibanga. Isethi yemiPhumela yekuFundza ifanele iphindze ibe siciniseko sekutsi kunekuhlanganisa ekutfufukiseni imibono, emakhono, nemagugu ngekusebentisa emacophelo ekuhlola. Imiphumela yekufundza ayibeki umncele walokutawufundvwa nome indlela lokutawufundziswa ngayo.

Liyini liCophelo lekuHlola?

Liyini liCophelo lekuHlola?

EmaCophelo ekuHlola achaza lizinga lokufanele kutsi bafundzi bakhombise ngalo kuzuza umPhumela/imiPhumela yekuFundza netindlela (kujula, nebubanti) bekukhombisa lokuzuziwe. Wona abekwe acondzana nemabanga aphindze akhombise inchubekelaphambili kutsi itawenteka njani kulenkundla yekufundza. Amumetse kuvisisa, emakhono, emagugu lekungiwo labhekekile kute kube nekuzuza imiphumela yekufundza.

Lehluke kanjani liCophelo lekuHlola kumPhumela wekuFundza?

Lehluke kanjani liCophelo lekuHlola kumPhumela wekuFundza?

Imiphumela yekufundza ichaza loko lokufanele kutsi bafundzi bakhone kukwenta kantsi licophelo lekuhlola lona lichaza buncane belizinga kujula nebubanti lobubekiwe kutsi kuvisisa nekwenta bukhonjiswe kulo. Kalula nje loko kusho kutsi imiphumela yekufundza ingakwati nekutsi itawuhlala esikhatsini lesinyenti injalo kulibanga ngelibanga abe kepha emacophelo ekuhlola agucuka ngelibanga ngelibanga.

Emacophelo ekuhlola aphindze abe nemtselela etindzabeni teticu. Nasibhekisa kumkhakha weTemfundvo nekuCecsha Jikelele loku kusho Sitifiketi seMfundvo nekuCecsha Jikelele.

Imiphumela yekufundza ivama kutsi ibe nguleyenteka ngalokuvamile, kantsi emacophelo ekuhlola wona avama kutsi abe nekutsi acondzane ngco naloko. Naloku acondza ngco kuba kutsi abe ngulanciphile nome abe ngulabanti. Licophelo lekuhlola lelibanti lihlala linconotwa ngobe livumela kutsi kube khona kukhululeka ngekungabambeleli kukunye kakhulu kwabothishela uma bahumusha ngesikhatsi bafundzisa.

Tinsita-kufundza kanye netinhlelo tekutfufukisa bothishela titawuba nendzima lemcoka letitayidlala ekuhunyushweni nasekuchazeni kabanti lemiphumela yekufundza kanye nemacophelo ekuhlola.

TiNhlelo tekufundza

TiNhlelo tekufundza

Sitatimende lesiBuketiwe seKharikhulamu saVelonkhe semaBanga R-9 sitawungeniswa etikolweni ngetinhlelo tekufundza. Tindhlelo tekufundza takhiwe tabuye tahleleka kahle taba imisebenti legcugcutela kutfolwa kwemiphumela yekufundza kanye nemacophelo ekufundza aleso sigaba.

Nanobe Sitatimende lesiBuketiwe seKharikhulamu saVelonkhe sibeka lemicondvo, emakhono nemagugu kuya ngelibanga ngelibanga, tindhlelo tekufundza tibala imisebenti lekumele ifundvwe ibuye ihlolwe ngesigaba. Tindhlelo tekufundza ticuketse luhlelo lwemisebenti loluniketa sivinini nekulandzelana kwalemisebenti ngemnyaka netibonelo tetindhlelo temalungiselelo ekufundzisa lekumele asetjentiswe nobe ngasiphi sikhatsi. Sisekelo semigomo nemagugu e siTatimende lesiBuketiwe seKharikhulamu saVelonkhe asekelo tiNhlelo tekufundza.

Tindhlelo tekufundza kumele tente siciniseko kutsi yonkhe imiphumela yekufundza nemacophelo ekufundza alandzelwa nglokungiko nekutsi inkhundla ngayinye yekufundza iniketwe sikhatsi lesibekiwe kanye nekugcizelela. TiNhlelo tekufundza titawususelwa ebudlelwaneni bemiphumela yekufundza nemacophelo ekuhlola ngaphandle kwekwehlisa kwetsembeka kwenkhundla yekufundza.

TiNhlelo tekuFundza ngesiGaba

TiNhlelo tekuFundza ngesiGaba

TiNhlelo tekuFundza tesiGaba saboKhewana tintsatfu nguleti: Kukwati kutibhalela nekufundza, Tibalo neMakhono eKuphila.

TiNhlelo tekuFundza tesiGaba lesisemKhatsini: Tilwimi neTibalo titawuhlala titinhlelo letitimele. TiNhlelo tekuFundza kumele tente siciniseko sekutsi lemiphumela lebekiwe kuleyo nkhundla yekufundza entiwa acedvwe ngalokungiko. Tikolo tingakhetsa ngelinani kanye nebunjalo baletinye tiNhlelo tekuFundza bakweyamise tikwekuleleka kwesikolo, uma nje kubaluleka kwavelonkhe kanye nekutfufukiswa kwetidzingo temfundzi kuleso sigaba kunakekelwa.

TiNhlelo tekuFundza tesiGaba lesiPhakeme tisiphohlongo letitsatselwe etiNkhundleni tekuFundza.

Bothishela kutawumele bente letinhlelo tekufundza. Litiko Letemfundvo litawuniketa umgomo wekutfufukiswa kwaletinhlelo tekufundza titsatselwe kuSitatimende seNkhundla yekuFundza kusekela lenchubo. Tifundza titawenta imigomo lapho kufanele khona kute kwamukeleke kwehlukana.

Tinhlelo temfundvo yabothishela ngito letitawakha bothishela, emacembu laphetse etikolweni, nalabasekelako kutewuttufukisa, kwenta kusebente, kuphatsa nekwesekela kutfufuka kwetiNhlelo telokuFundvwako.

Tindlela tekwenta TiNhlelo TekuFundza

Tindlela tekwenta TiNhlelo TekuFundza

Kute kucinisekiswe emacophelo avelonkhe lamiswe Sitatimende lesiBuketiwe seKharikhulamu saVelonkhe, imigomo yetindlela tekwenta lelungile futsi lefanele tinhlelo tekufundza titawentiwa kuvelonkhe tisuselwa kuLuhlaka Lwekutfufukisa kwemGomo WeTindlela tekwenta. Umtsetfo wemGomo waVelonkhe (1996, incenye 3 sigaba 4) igunyata uMhlonishwa weTemfundvo kwenta kuletinye tintfo letifana nemgomo wavelonkhe wetindlela tekwenta kulungisela letinhlelo.

Lomgomo wetindlela tekwenta utawuniketa lwati neteluleko kuloku:

- ▶ Kuhlangukisa kunkhundla ngayinye kanye nakuletinye tinkhundla tekufundza.
- ▶ Kuhlangukiswa kwemacophelo ekuhlola
- ▶ Budlelwane emkhatsini wetinkhundla tekufundza
- ▶ Kuniketwa kwesikhatsi
- ▶ Kuhlola
- ▶ Tihibe ekufundzeni
- ▶ Kwakha luhlelo lwekufundza
- ▶ Umgomo nemtsetfo
- ▶ Kucecesha, kutfutfuka kanye nekwetfula.
- ▶ Kuniketa nekwesekela
- ▶ Kuhlela nekuhlelebisa.

Letindlela titawusetjentiswa kulandzelwa umgomo lokhona netinhlaka temitsetfo Letifaka ImiTsetfo Lilinga (White Papers) lesitfupha, Umtsetfo wemGomo waVelonkhe (1996), iSASA (1996) neMtsetfo wekuCashwa kwaboThishela (1998). Tindlela tekwenta tinhlolo tekufundza utawuniketa luhlaka lekusita umfundzi ngco netidzingo takhe mbamba.

Kwabelwa kwesikhatsi

Kwabelwa kwesikhatsi

NgekweSiGaba 4 seMtsetfo wekuCashwa kwaboThishela (1998), sikhatsi lesihlelekile esikolweni kubothishela kutawuba ema-awa langu-7 ngelilanga. NgekweNchubomgomo yeMtsetfo weMfundvo yaVelonkhe, 1996, sikhatsi lesihlelekile sekufundzisa ngeliviki sitawuba ngema-awa langu-35. Loku kuboniswe kulelithebula lelilandzelako:

SiGaba	Libanga	Sikhatsi
SiGaba SaboKhewane	R, 1 na 2	22 ema-awa 30 emaminitsi
	3	25 ema-awa
SiGaba lesiseMkhatsini nalesiPhakeme (libanga 7)	4, 5 na 6	26 ema-awa 30 emaminitsi
SiGaba lesiPhakeme (libanga 8 na 9)	7	26 ema-awa 30 emaminitsi
	8 na 9	27 ema-awa 30 emaminitsi

Esigabeni saBokhewana tihlelo tekufundza tiniketwe letikhatsi letilandzelako:

TiNkhundla tekuFundza	Sikhatsi (%)
KuFundza nekuBhala	40%
Kubala	35%
Emakhono ekuPhila	25%

Tikhatsi letibekiwe njengemaphesenti (letivetwe kulelithebula lelingenhla) kutiGaba lesisemKhatsini nalesiPhakeme nguleti:

LuHlelo lwekufundza	Sikhatsi (%)
Tilwimi	25%
IMetametiki	18%
ISayensi yeTemvelo	13%
ISayensi yeTenhlalo	12%
IThekinoloji	8%
ISayensi yeTemnotfo neKuphatsa	8%
Tekuphila	8%
TeBuciko nemaSiko	8%

Imigomo yekuhlela iniketwe kumiGomo yetiNhlelo tekuFundza.

Kuhlola

Kuhlola

Nguleso naleso sitatimende senkhundla yekufundza sifaka incenye yekuhlola lenemininingwane leminengi. Kuloluhlaka lwemfundvo lemiselwe emakhono kusetjentiswa tindlela letifanele tekuhlola letingamukela tintfo tetingcikitsi letehlukene. Kuhlola kumele kuvete tinkhomba tekusebenta kwemfundzi ngendlela lengiyo nalefanele ticiniseke kutsi bafundzi bahlanganisa basebentise lwati nemakhono. Kuhlola kumele kusite bafundzi kwenta tincumo ngekusebenta kwabo, batibekele tinjongo tabo tekuchubeka babuye bente kufundza lokuchubekako.

Sitatimende lesiBuketiwe seKharikhulamu saVelonkhe siyamanisa ikharikhulamu nemgomo wekuhlola locuketfwe emGomeni wekuHlola (iGazethi yaHulumende 19640 ya-1998). Tindlela letifanako tabothishela ticuketfwe ekupheleni kwalesiSitatimende seNkhundla yekuFundza.

SiTifiketi seMfundvo Jikelele nekuCeceshwa (GETC)

*SiTifiketi seMfundvo Jikelele
nekuCeceshwa (GETC)*

Konkhe kufundzisa nekufundza kusukela eBangeni R-9 kunesandla ekwenteni luhlobo lwemfundzi lohloswe Sitatimende lesiBuketiwe seKharikhulamu saVelonkhe. Kuhlola kwalokufundza kwenteka ngaso sonkhe sikhatsi kuleminyaka lelishumi yekufundza. Kuhlola nekuniketwa kwesitifiketi kwalokutfolakale kulokufundza kwenteka ekupheleni kweliBanga 9 lapho bafundzi labanelisa tidzingo letifunekako banganiketwa khona Sitifiketi seMfundvo Jikelele nekuCeceshwa.

Sitifiketi seMfundvo Jikelele nekuCeceshwa sekufundza lokuphocelwe akusiyo intfo leyame emacophelweni esitifiketi. Kukutfolela sitifiketi lekweyame esikolweni ekutseni imiphuma yekufundza itfolwe njani kulamacophelo ekuhlola eliBanga 9.

SiTifiketi seMfundvo nekuCeceshwa Jikelele kwekufundza lokuphocelwe kungiko konkhe kuklonyeliswa kwasetikolweni lekumiselwe ezingeni lekuzuzwa ngawo imiphumela yekufundza ngemacophelo ekuhlola eliBanga 9.

Kudzimate kube ngu-2008, inchubomgomo yekucecasha lephatselene nekuklonyeliswa titifiketi itawusebenta. Kusukela lapho siTifiketi seMfundvo nekuCeceshwa Jikelele lekumisilwe kusiTatimende leSibuketiwe seKharikhulamu yaVelonkhe lesiBuketiwe kutawusebenta.

Tinkhundla Tekufundza: Tinchazelo Nemiphumela

Tinkhundla Tekufundza: Tinchazelo Nemiphumela

Tilwimi

Inchazelo

Inchazelo

INkhundla yekuFundza yetiLwimi ifaka ekhatsi:

- ▶ Tonkhe tilwimi letilishumi nakunye letisemtsetfweni (Xitsonga, Tshivenda, isiNdebele, siSwati, Sesotho, Sepedi, Setswana, isiXhosa, isiZulu, Afrikaans, English).
- ▶ Tilwimi letivunyelwe iBhodi yetiLwimi Tonkhe taseNingizimu Afrika. (PANSALB) nemKhandlu waseNingizimu Afrika loniketa tiTifiketi (SAFCERT) neLulwimi iBreyili neLwetimphawu lwaseNingizimu Afrika.

Eveni lelibulwimilwimi njenge Ningizimu Afrika, kubalulekile kutsi bafundzi bafinyelele ezingeni lelisetulu lekusebentisa lokungenani tilwimi letimbili, nekutsi bakwati kuchumana nangaletinye tilwimi.

Sitatimende senkhundla yekufundza tilwimi ilandzela luhlelo lekwengeta kubulwimilwimi (multilingualism):

- ▶ Bonkhe bafundzi bafundza tilwimi tabo tasekhaya nalokungenani lunye lulwimi lolwengetiwe lolusemtsetfweni.
- ▶ Bafundzi balusebentisa ngemphumelelo lulwimi lolwengetiwe babe balugcinile lulwimi lwabo lwasekhaya futsi balutfufukisa.

Sitatimende seNkhundla yekuFundza tiLwimi ifaka tonkhe tilwimi njenge:

- ▶ Tilwimi tabo tasekhaya
- ▶ Tilwimi tekucala letengetiwe
- ▶ Tilwimi tesibili letengetiwe

Lulwimi lwebafundzi lwasekhaya kufanele lusetjentiselwe kufundza nekufundzisa nangabe kunekwenteka. Loku kubaluleke kakhulukati esigabeni saboKhwane lapho bafundzi bafundza kufundza nekubhala. Lapho bafundzi kufanele basuke elulwimini lwabo lwasekhaya bantjintjele kulolwengetiwe ngenhloso yekufundza nekufundzisa, kufanele kuhlelwe ngekucopehelela lokukhulu. Ngako-ke lulwimi lolwengetiwe lufanele lusheshe lualwe kufundziswa. Lulwimi lwasekhaya lufanele luchubeke lufundziswa kanye nalo lolu lolwengetiwe ngalokusemandleni.

Imiphumela

Imiphumela

1. **Kulalela:** Umfundzi utawulalelela kutfola lwati nekutitfokotisa abuye akwati kuphawula ngalokufanele nangalokujulile etimeni letehlukene.
2. **Kukhuluma:** Umfundzi utawuchumana ngekutetsemba nangalokunetisako asebantisa lulwimi etimeni letehlukene.
3. **Kufundza neKuhlwaya:** Umfundzi utawufundza, ahlwaye imibhalo kutfola lwati nekutitfokotisa ananele ngekucopehelela emagugu, laphatselene nemasikomphilo nemiva yakhe ngemibhalo.
4. **Kubhala:** Umfundzi utawubhala tinhlobo letehlukene temibhalo lengemaciniso nalesuselwa engcondvweni kufeza tinhloso letinengi.
5. **Kufundza neKunoma:** Umfundzi utawusebantisa lulwimi ekucabangeni nasekunomeni, kutfola nekuhlelebisa lwati, lalusebantise ekufundzeni.
6. **Sakhiwo selulwimi nekusetjentiswa:** Umfundzi utawuba nelwati lwekusebantisa imisindvo, emagama neluhlelo lwelulwimi kwakha nekuhumusha imibhalo.

Kulalela nekukhuluma, kufundza nekuhlwaya, kubhala, kucabanga nekunoma, nelwati lwemisindvo, emagama neluhlelo nanoma kwetfulwe njengemiphumela lehlukile, kufanele kuhlanganiswe uma kufundziswa nanoma kuhlolwa.

IMetametiki

Inchazelo

Inchazelo

Tibalo (imetametiki) imsebenti webantfu lofaka kubona, kuvetwa nekucwaninga emaphethini nebudlelwane belinani letintfo letikhona

nekuhlaliswa kwetintfo kanye nasemkhatsini wetibalo todvwa. Ngalenchubo imicondvo lemisha yetibalo nelwati luyakheka.

Tibalo tinelulwimi lwato loluhlukile lolusebentisa timphawu netinkhomba kuchaza tinombolo, ijomethri nekuhlobana kwemagrafu. Tindlela tetibalo nemcondvo kuyakhelana kwente intfo yinye.

Tibalo timphumela welucwaningo lwemasiko lolwehlukene, tingumsebenti lonenjongo engcikitsini lenetinhloso tekuhlalisana, tembusave netemnotfo. Tibalo tinemagugu kantsi futsi tiya ngemasiko.

Imiphumela:

Imiphumela

1. **Tinombolo, imisebenti nebudlelwane:** Umfundzi uyakwati kubona, kuchaza nekufaka tinombolo nebudlelwane bato, kubala, kucombelela, kuhlola ngebuchule nekutetsemba ekusombululeni tinkinga.
2. **Emaphethini, imisebenti ne-aljebra:** Umfundzi uyakwati kubona, kuchaza nekufaka tinombolo nebudlelwane bato asombulule tinkinga asebentisa lulwimi lwe-aljebra nemakhono.
3. **Sikhala nabombunjwa:** Umfundzi uyakwati kuchaza nekuveta timphawu nebudlelwano bemumo wesakhiwo 2-D na 3-D ngetindlela nabombunjwa labehlukene.
4. **Kulinganisa:** Umfundzi uyakwati kusebentisa silinganiso bunye, emathulusi nema fomula lahlukahlukene.
5. **Kusebentisa idatha:** Umfundzi uyakwati kugcogca, kusonga, kukhangisa nekucwaningisisa kabanti idatha kwenta tincumo nekwenta kucabangela nekuhumusha abone kutsi kungahle kube njani.

ISayensi YeTemvelo

Inchazelo

Inchazelo

Loku lokwatiwa ngeligama lelitsi 'Sayensi' namuhla kwasuselwa emasikweni esiGriki, esiShayina esi-Arabu newe-Afrika. Ibunjwe luphenyululo lwekufuna kucacelwa ngelive leliyimvelo ngekutsi kucashelwe kuphindze kwentiwe luhlolo kantsi seyidlondlobale yaze yaba yincenye yemagugu lalifa letive

tonkhe temhlaba. Kuvamise kutsi ibonakale ngekutsi yente titatimende letesekelwe bufakazi lobutsite (McGraw-Hill Concise Encyclopaedia of Science and Technology, 2nd Edition, p.1647).

Sitatimende seNkhundla yekuFundza iSayensi yeTemvelo sihlose simo sekufundzisa nekufundza lesibonelela kutsi bantfu baseNingizimu Afrika banetindlela letehlukene tekufundza kanye nemitselela yemasiko lahlukene. INkhundla yekuFundza iSayensi yeTemvelo isukela embonweni lotsi bonkhe bafundzi kumele bavunyelwe kufundza imfundvo yesayensi lefanele. Imfundvo lefanele kumele igcile emfundzini. Kumele isite umfundzi kuvisisa hhayi lwati lwesayensi nekutsi lutfolakala njani kuphela kepha tintfo tendzawo lahlala kuyo kanye nemhlaba wonkhe jikelele.

INkhundla yekuFundza iSayensi yeTemvelo igcugcutela kwati ngesayensi. Ikwenta loku ngekubuka ngco naku:

- ▶ Kutfutukisa nekusetjentiswa kwemakhono ekwenta tinchubo tebusayensi etimeni letehlukene.
- ▶ Kutfutukisa nekusetjentiswa kwelwati nekucacelwa kwesayensi.
- ▶ Kutfokotela budlelwano netibopho letikhona emkhatsini wesayensi kanye nesive semmango.

ImiPhumela

Imiphumela

1. **Kucubungula kwesayensi:** Umfundzi utawenta ngekutetsemba ekufuneni kwati ngetintfo temvelo, acubungule budlelwane asombulule tinkinga letisengcikitsini yesayensi, yeThekinoloji neyendzawo lahlala kuyo.
2. **Kwakha lwati lwesayensi:** Umfundzi uyati, uyahumusha nekusebentisa lwati lwesayensi, lwethekinoloji nelwendzawo lahlala kuyo.
3. **Isayensi, umphakatsi nendzawo lahlala kuyo:** Umfundzi uyakwati kukhombisa kuvisisa budlelwane ekhatsi kwesayensi nethekinoloji, umphakatsi nendzawo labahlala kuyo.

ISayensi YeTenhlalo NeTelive

Inchazelo

Inchazelo

ISayensi yeTenhlalo neTelive ifaka ekhatsi lucwaningo lwebudlelwane emkhatsini webantfu, nasemkhatsini webantfu nendzawo labahlala kuyo. Lobudlelwane buyantjintja etikhatsini letehlukene nasetindzaweni letehlukene. Emagugu, timongcondvo, netinkholelo tebantfu kunemtselela, futsi ticondziswa ngibo lobudlelwane.

Imicondvo, emakhono netinchubo temlandvo netejografu tenta timphawu letimogodla kuleSitatimende seNkhundla yekuFundza iSayensi yeTenhlalo neTelive. Imfundvo yendzawo labahlala kuyo nemfundvo yemalungelo eluntfu kushwambakanya temlandvo nejografu.

Sitatimende seNkhundla yekuFundza iSayensi yeTenhlalo neTelive ibukene ngalokufundvwa ngumfundzi nekutsi ukufundza njani, nekutsi bafundzi balwakha njani lwati. Sitatimende seNkhundla yekuFundza sigcugcutela bafundzi bakwati kubuta nekutfolela timphendvulo ngemango nendzawo labahlala kuyo.

LeSitatimende seNkhundla yekuFundza ihlose kutfutukisa takhamuti leticacelwe, naletineliso lelibukhali letikwati kufaka sandla ekwakheni ummango logucugucukako lonemasiko lehlukahlukene. Iphindze ihlomise bafundzi kufaka sandla ekutfutukiseni ummango wentsandvo yelinyenti labaphila kuwo.

Imiphumela

Imiphumela

Temlandvo

1. **Kucubungula ngetemlandvo:** Umfundzi uyakhona kukhombisa lwati nekuvisisa umlandvo
2. **Lwati nekuvisisa temlandvo:** Umfundzi uyakhona kusebentisa emakhono ekucwaninga, kuphenya tasemandvulo netalomuhla.
3. **Kuhumusha temlandvo:** Umfundzi uyakhona kubonisa kuvisisa kuhunyushwa kwemlandvo.

Telive/ijografi

1. **Kucubungula ngekwejografi/telive:** Umfundzi uyakhona kukhomba lwati nekuvisisa budlelwane emkhatsini webantfu, tinsita nemmango.
2. **Lwati nekuvisisa ngekwejografu/telive:** Umfundzi uyakhona kusebentisa emakhono ekucwaninga, kuphenya imibono netinchubo letingumgogodla kuTelive (Geography)
3. **Kutfola tintfo:** Umfundzi uyakhona kukhetsa ngekusebentisa lwati lolujulile, atsatse tinyatselo tekubukana netenhlalo netenzawo.

Tebuciko NemaSiko

Inchazelo

Inchazelo

Inkhundla yekuFundza yeTebuciko neMasiko ifaka ekhatsi lokunyenti lokuyinchubo kwebuciko nemasiko kwaseNingizimu Afrika. Tebuciko nemasiko tiyincenye yemphilo, lekufaka temphefumulo, temhlaba netetimvelomiva tekwenta kwebantfu emphakatsini. Emasiko ativeta ngendlela yebuciko kanye netindlela tekuphila, indlela yekutiphatsa, emagugu, inchubo yelwati nenkholelo. Emasiko akasito tintfo letingagucuki, anemlandvo nengcikitsi, futsi ayantjintja, ikakhulu uma ahlangana nalamanye emasiko.

Indlela yekufundza emasiko kuleSitatimende seNkhundla yekuFundza sigcugcutela bafundzi:

- ▶ Bangabi tindlalifa temasiko nje kepha babe ngulabakhutsele nalabanemlandla emasikweni ekwakha sive.
- ▶ Kukhombisa ngalokwakhako buciko, kwenta kanye nemsebenti webuciko.
- ▶ Kubona budlelwane emkhatsini kwemisebenti yebuciko kanye nemasiko.
- ▶ Kubona tingcikitsi tetimo tendzawo, temnotfo, tenhlalo lokufanele kutsi emasiko atibonakalise kuto.
- ▶ Kubona kuhlobana emkhatsini wenchubo yemasiko, emandla kanye nekwengama kwemasiko
- ▶ Kwati kuveta buciko, kwengeta nekucela inselele emasiko ngetindlela letehlukile.

Indlela yebuciko kuleSitatimende seNkhundla yekuFundza isuka ekwatini (spiliyoni) lekufaka tebuciko letehlukene etingcikitsini temasiko lahlukahlukene ngelwati nemakhono ebangeni 8 na 9. LeSitatimende seNkhundla yekuFundza

itama kwenta kuvana emkhatsini kwelwati lekutsatselwa kulo ngebuciko kanye nemasiko, nelwati ngco nemakhono kuletinhlobo tebuciko ngayinye.

Imiphumela

Imiphumela

1. **Kwakha, kuumusha nekwetfula:** Umfundzi uyakwati kwakha, kuumusha nekwetfula umsebenti ehlotjeni ngalunye lwebuciko.
2. **Kuveta:** Umfundzi uyakwati kuveta ngalokubanti ngebuciko benchubo yemasiko, imikhicito netindlela etingcikitsini tanyalo nakudzala.
3. **Kutibandzakanya nekusebentisana:** Umfundzi uyakwati kukhombisa lwati nekuvisisa umlandvo wetebuciko, bumnandzi nemagugu, emasiko, nemafa kanye nekufuna indlela yekukhutsata kwelapha kanye nekwakha sive.
4. **Kuveta nekuchumana:** Umfundzi uyakwati kuhlatiya nekusebentisa tindlela letehlukene tekuchumana nekuveta ebucikweni nasemasikweni.

Tekuphila

Inchazelo

Inchazelo

Leligama lelitsi Tekuphila licuketse umnyombo waleNkhundla yeKufundza lecondze kufinyelela kuko ikuzuze. Iyacondzisa ilungiselele bafundzi imphilo nako konkhe lokungenteka. Tekuphila tihlomisela bafundzi kutsi babe nemphilo lecacile nalenemphumelelo emmangweni logucugucuka ngekushesha.

Inkhundla yekuFundza yeTekuphila itfutukisa emakhono, lwati, emagugu, nesimongcondvo lesifundzisa bafundzi kutsi batsatse tincumo letatisako lokufanele macondzana nekutfutukisa loku:

- ▶ Kutfutukisa Temphilo
- ▶ Kutfutukisa Tenhlalo
- ▶ Kutitfutukisa Bubona
- ▶ Kutfutuka ngekwesicu nekunyakata/kuhamba
- ▶ Kutingenisa/kutetayeta kutemisebenti

Ihlangene, leminyombo lesihlanu lebalwe ngetulu yekharikhulamu yeTekuphila yonkhe ifundzisa ngemalungelo njengobe abekiwe kuMtsetfosisekelo weNingizimu Afrika.

ImiPhumela

Imiphumela

1. **Kutfufukisa temphilo:** Umfundzi uyakhona kutsatsa tincumo letatisako ngebuyena, ngekwemmango nangekwemphilo yendzawo.
2. **Kutfufuka ngekwesicu nekunyakata/kuhamba:** Umfundzi uyakhona kukhombisa kutinikela ngemlandla kumalungelo laku umtsetfosisekelo nekutibopha kwenhlalo, akhombise luvelomiva emasikweni nasetinkholelweni letehlukene.
3. **Kutifufukisa bubona:** Umfundzi uyakhona kuphila alandzela emakhono ekuphila lawatfolile kute azuze atfufukise emandla lanawo ekumelana netinselele endzaweni laphila kuyo ngalokuyimphumelelo.
4. **Kutfufuka ngekwesicu nekunyakata/kuhamba:** Umfundzi uyakhona kukhombisa kuvisisa angenele imisebenti letfufukisa kunyakata nekutfufuka kwemtimba.
5. **Kutingenisa/kutetayeta kutemisebenti:** Umfundzi uyakhona kutsatsa tincumo tekuchubekela embili netifundvo nekukhetsa imisebenti.

ISayensi YemNotfo NeTekuphatfwa

Inchazelo

Inchazelo

Sitatimende senkhundla yekufundza yeSayensi Temnotfo neteKuphatfwa (EMS), icondzene nekufundvwa ngawedvwana, emphakatsini kanye nekusetjentiswa kwetinhlobo letehlukene temcebo ekwenetiseni tidzingo netimfuno tebantfu, babe babuka ngeliso lelibanti kulokwentiwa kusetjentiswa kwemcebo emvelweni nasebantfwini.

Sitatimende senkhundla yekufundza yeSayensi Temnotfo neteKuphatfwa mbamba mbamba sibukene:

- ▶ Nemvelo, tindlela nekukhicitwa kwetimpahla netinsita.
- ▶ Umnotfo weNingizimu Afrika nenchubo yetenhlalo-mnotfo emaveni lehlukene.
- ▶ Kusisa nekuphatfwa kwetimali nekuhlelwa kwemakhono, ngekwakhe, emphakatsini nobe bayinhlanganisela.
- ▶ Emakhono ebuhwebi nelwati loludzingekako kuphatfwa timphilo tebantfu netendzawo labahlala kuyo.

ImiPhumela

Imiphumela

1. **Lwati lwemigomo yemnotfo nekuphatsa nemicondvo:** Umfundzi uyakwati nekucondza kusetjentiswa kwemali ekusombululeni tinkinga temnotfo.
2. **Kwati Kusimama Kukhula nekutfufuka:** Umfundzi uyakwati kukhombisa lwati nekuvisisa kusimama kwekukhula, kwakha kabusha nekutfufukisa bese abuka ngeliso lelibanti etinchubeni letihlobene.
3. **Emakhono nelwati lwekuphatsa, lwekusebentisa nelwetimali:** Umfundzi uyakwati kukhombisa lwati nelikhono lekusebentisa emakhono lahlukene ekuphatsa, basebentisi (consumer) netetimali.
4. **Lwati lwebuhwebi nemakhono:** Umfundzi uyakwati kukhombisa lwati lwebuhwebi, emakhono esimongcondvo.

IThekinoloji

Inchazelo

Inchazelo

Ithekinoloji yayikhona kusukela nganyase njengemsebenti lapho bantfu basebentisa inhlanganisela yelwati, emakhono nemcebo lokhona kutfutukisa tisombululo letitawumelana netidzingo netimfuno tamihla nemalanga. Letinye taletisombululo tiba ngumkhicito ibe letinye tisombululo tifaka inhlanganisela yemikhicito kwenta tinchubo.

Nalamuhla bantfu solomane banetidzingo netimfuno. Tisombululo tisolomane tiyatfutukisa ngemisebenti lehlanganisa lwati, emakhono nemcebo lekhona. Kepha-ke, lwati, emakhono nemcebo lokusetjentiswa namuhla kuhlukile ngenca yekudlondlobala kwekutfufuka kwethekinoloji. Umphakatsi walamuhla ucakile futsi wehlukene. Tizatfu temnotfo netendzawo labahlala kuyo nalokwandzile kwesimongcondvo nemagugu kumele kunakwe nakutfutukiswa tisombululo tethekinoloji. Kungaleyo ngcikitsi lapho ithekinoloji ichazwa kanje:

Kusetjentiswa kwelwati, emakhono nemcebo kwenetisa tidzingo netimfuno ngekutfutukisa tisombululo letisebentako etinkingeni kube kubukwe tindzaba tenhlalo netendzawo labahlala kuyo.

ImiPhumela

Imiphumela

1. **Emakhono nenchubo yethekinoloji:** Umfundzi uyakwati kusebentisa ichubo yethekinoloji nemakhono ngekwetsembeka nalokungiko asebentisa lwati lolufanele nethekinoloji yekuchumana.
2. **Lwati nekuvisisa ithekinoloji:** Umfundzi uyakwati kuvisisa nekusebentisa lwati lolufanele lwethekinoloji ngalokungiko nalokusemtsetfweni.
3. **Ithekinoloji, ummango nendzawo labahlala kuyo:** Umfundzi uyakwati kusebentisana nekuvisisa budlelwane emkhatsini wesayensi, ithekinoloji, umphakatsi nendzawo labahlala kuyo ngekuhamba kwesikhatsi.