



IBANGA

2

ISIKHOKHELO
SIKATISHALA

Platinum

Imibhalo efihliweyo
neeRobhothiksi

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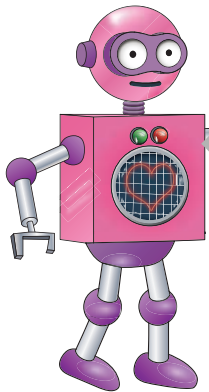
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Intshayelelo

Titshala othandekayo

Xa ungena eklasini yakho usuku ngalunye, awungeni nje ngokulula kwindawo egcwele iidesika neencwadi zesikhokelo. Ungena kwindawo apho kubunjwa khona amakamva, kwaye kudalwa okuqikelelwayo. Uphethe amandla amangalisayo okuphembelela, okukhokela, nokwamkela iinkokeli zexesha elizayo, abangenisi bezinto ezintsha, nabenzi botshintsho. Ngokwabelana ngokuthandayo, wenza ngaphezulu ngokungaphaya kunokufundisa; utyala imbewu yobubele, yinkuthazo, yentlonipho, kunye nobuntu kumntu ngamnye omncinane.

Siyaqonda ukuba akusoloko kulula. Imingeni yokufundisa, imingcinga kwiindawo ezinemithombo eqongopheleyo, ngamanye amaxesha iyakufundiswa ngomngeni ngamnye ojongene nawo, wenza umahluko wokufundisa. Ubonisa abafundi bakho ukuba isakhono sabo asinamda kwaye ababonwa, baxatyisiwe, kwaye banezakhono zokuphumeza okukhulu.

Yiyo loo nto imithombo yolwazi yokufundisa ikhona ukuxhasa wena. Iyilwe kucingwa ngeenjongo ze-CAPS, zijolise kokuqakasa kunye nasekuyileni imekobume apho wonke umntwana angabuzibona emelwe. Imifanekiso, amabali, kunye nezifundo zibonakalisa iyantlukwano kwimeko yethu yengingqi, inceda umfundi ngamnye azive engowekhaya yakho.

Kwaye asilibalanga ngawe. Ukuphila okuhle kwakho kubaluleke njengempumelelo yabafundi bakho. Sibandakanye izixhobo zokuzikhathalela ukukugcina ukhuthazekile kwaye uphilile kuba siyazi ukuba xa uziva kamnandi, iklasi yakho iba nempumelelo. Ulonwabo lwakho luba nempembelelo hayi kuphela ukufundisa kwaye kodwa nobudlelane obakhayo nabafundi bakho, abafumana kuwoothemba nenkuthazo.

Njengoko uMzantsi Afrika uqhubeka nokuqhubela phambili neBasic Education Law Amendment Act (uMthetho weziLungiso zoMthetho weMfundo esiSiseko) (i-BELA), osalwazi wangumthetho ngo-2024, umnqophiso wokuyila inkqubo yenkqubo enobulungisa neqakayo ikhula ngokungqingqwa. Indima yakho kulo mnqophiso ibalulekile, kwaye ukuqonda i-CAPS ne-BELA kuqinisekisa ukuba iklasi yakho yindawo apho abafundi belungele ngokungaphaya impumelelo.

Ungumntu onamandla otshintsho olululutho, kwaye impembelelo oyenzayo eklasini yakho inkulu kunokuba uqaphela. Ngelixa ufundisa, yazi ukuba awukhokeli nje abafundi bakho; ubumba ikamva loluntu lwethu, lelizwe lethu, nelehlabathi.

Enkosi ngako konke okwenzayo!

1. Ukubaluleka kokufakwa kwedatha ngokweekhowudi nokofundo ngeerobhothi:

Owu hayi! Sijongene nesifundo esitsha ngokugqibeleleyo, leyo ikhangeleka isoyikeka kwaye ixakile. Ukufaka idatha ngokweekhowudi? Senza umfanekiso womntu onyuse amagxa kwisikrini sekhompyutha, ephicotha idatha enokuqondwa ngabantu abambalwa kuphela. Ufundo ngeerobhothi? Kuvakala njengento engumdlalo bhanyabhanya engeyonyani. Singaninimiyaka engamashumi amahlanu ukuba iirobhothi zithathe indawo yehlabathi. Iirobhothi ayizo zoosonzululwazi noosomajukujuku? Kutheni oku kubalulekile kufunda singootitshala?

Nazi iindaba ezimnandi: ukufakwa kwedatha ngokweekhowudi asiyonto ingaqhelekanga njengoko kukhangeleka njalo. Okuyiindaba sibandakanyeka kukufakwa kwedatha ngokweekhowudi yonke imihla, kwaye kudala sikwenza oku. Ngelixa kuza kufuneka sifunde izinto ezintsha kufundisa abafundi bethu ngokuyimpumelelo, leyo yinxenye yokuchuluma kwisayosiyo.

Siphila kwilizwe apho inkqubela phambili ekhawulezileyo yobuchwepheshe ingenakuphikiswa. Iphuhla ngokuzingqileyo, kwaye nathi kufuneka siphuhle nayo. Ngoba? Kuba silungiselela abafundi bethu ikamva abaza kulifumana njengelifa.

Kule sethi yeencwadi, siza kufakha kwilizwe elingaziwayo lokufakwa kwedatha ngokweekhowudi ngokusebenzisa ukufakwa kwedatha ngokweekhowudi ngokusebenzisi zixhobo zobuxhakaxhaka bale mihla.

Ootitshala ngokweekhowudi bebexhomekeke kwiibhodi, itshokhwe, noonotsheluzi eklasini. Kodwa, ukuqinisekisa lokuba samkele utshintsho size sixhobise abafundi bethu ngezalwazi abaza kuzifuna kweli xesha lobuxhakaxhaka bale mihla.

2. Ukufakwa kwedatha ngokweekhowudi noFundo ngeerobhothi kwisiGaba sabaQalayo

Wamkelekile kukuFakwa kweDatha ngokweekhowudi noFundo ngeerobhothi isiGaba 1! Le sethi yeencwadi iqulethe iNcwadi yabaFundi kunye neNcwadi kaTitshala esikhuthaza ukufundisa ngempumelelo ukuFakwa kweDatha ngokweekhowudi noFundo ngeerobhothi kwisiGaba 1. UkuFakwa kweDatha ngokweekhowudi noFundo ngeerobhothi isiGaba 1 kubhalwe ngokungqinelana neemfuno zezikhokelo zeNkcazelo yoMgaqonkqubo weKharityhulam noHlolo (*Curriculum and Assessment Policy Statement*) (i-CAPS). Ngoko, xa usebenzisa ezi ncwadi, unokuthemba ukuba umxholo wekharityhulam ufikelelwe ngokupheleleyo.





UkuFakwa kweDatha ngokweKhowudi noFundo ngeeRobhothi kuphuhliselwe ngokukodwa ukuthobela i-CAPS ukulungiselela ukuFakwa kweDatha ngokweKhowudi noFundo ngeeRobhothi ngezi ndlela zilandelayo:



3. Indlela yokusebenzisa ezi ncwadi






3.1 Iimpawu zeNcwadi yabaFundi

- INcwadi yabaFundi iqulethe umxholo oqhubekayo ofumaneka kwiNisebenzi yeveki nganye, kuyilwa amava okufunda ngokubambeneyo namakhoqokayo.
- Iveki nganye ithi thaca umzekeliso wemeko omtsha ocebisi umsebenzi kubafundi ukuba basebenzise ulwazi lwabo kwiimeko zokwenziwayo.
- Icandelo "Masiqalise" linceda njengenkalo yokuqalisa umsebenzi ulwazi lwangaphambili lwabafundi kwaye liqhagamshelane ngokungqalileyo nemathiriyeli ekufuneka bayifunde.
- Ekupheleni kweveki nganye, icandelo "Ukuzihlola" linika abafundi ithuba lokukhumbula umsebenzi wabo, kukhazwa indlela eqiqileyo yokufunda. Cela abafundi bazobe obunye bobuqela kwiincwadi zabo okanye babonise umnwe omnye ukuya kweminekelela bawake inqaku inzame yabo yomsebenzi.
- Ukongeza, kukho icandelo "iGama eTsha" elenzelwe ukuchaza amagama angaqhelekanga afunyaniswe kwiincwadi, anceda abafundi bandise isigama sabo ngendlela elulutho.

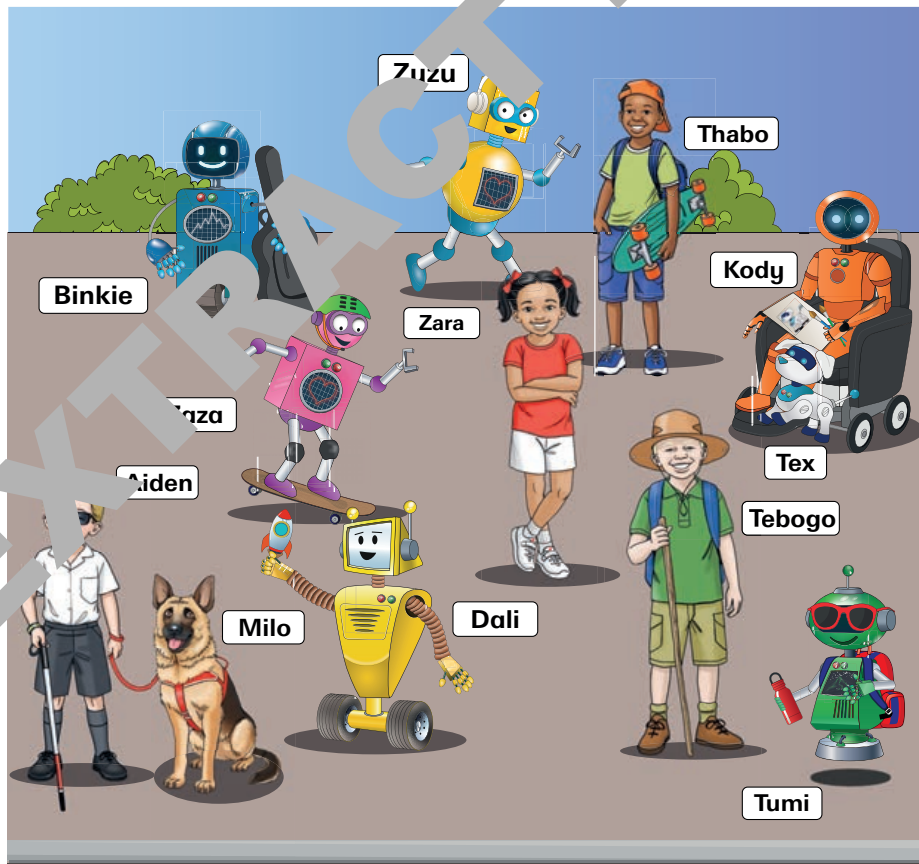
Igridi yokuzivavanya

1 	2 	3 	4 
Ukuzimela	Ndiyavuya!	Ndinebhongo!	Ndikrelekrele





















Ii - ayikhoni	
Kwincwadi yonke sinee - ayikhoni ezihlanganisiweyo ukubonisa udidi lokufunda nemisebenzi eqhubekayo.	
	Ulungelelwaniso lweenkqubo zezibini: ixesha lokusebenza nomhlobo wam
	Ukufunda ngokusebenzisana: ixesha lokusebenza ngokweqela


















	Okwenziwayo: ixesha lokusebenzisa izandla zam nobuchopho bam
	Ukuzoba: ixesha lokuzoba nokubhala
	Ukuthetha: ixesha lokuthetha ngezinto
	Ukucinga: ixesha lokusebenzisa ubuchopho bam ne... i... elo
	Ukushukumisa umzimba: ixesha lokush... isa umzimba wam

3.2 Dibana negela

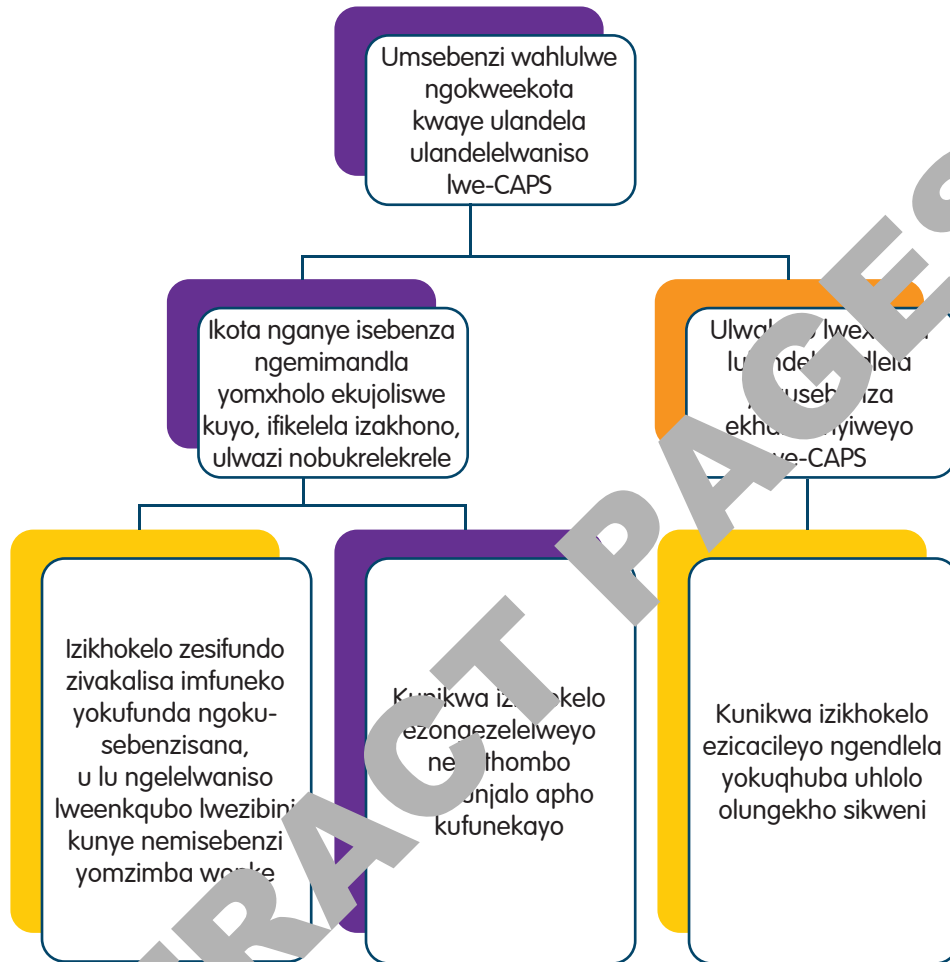


3.3. Amakhadi okufakwa kwedatha ngokweekhowudi

IKhadi lokufakwa kwedatha ngokweekhowudi	Ileyibheli	Inkcazelo (isenzo)	IKhadi lokufakwa kwedatha ngokweekhowudi	Ileyibheli	Inkcazelo (isenzo)
	Phambili	Hamba inyathelo elinye ukuya phambili.		Phinda kahlanu	Phinda kahlanu.
	Phezulu	Hamba inyathelo elinye ukuya phezulu.			
	Phantsi	Hamba inyathelo elinye ukuya phantsi.		Phinda ulandelelwano lwamanyathelo (Irhithela)	I - ayikhoni yohrhithela ikuxelela ukuba phinda ulandelelwano lwamanyathelo.
	Ekhohlo	Hamba inyathelo elinye ukuya ekhohlo.		Linda	I - ayikhoni yokulinda ikuxelela ukuba nqumama imizuzwana emibini.
	Ekunene	Hamba inyathelo elinye ukuya ekunene.		Isandi	I - ayikhoni yesandi ikuxelela ukuba mamela isandi.
	Jika ekhohlo	Jika ekhohlo.		Danisa	I - ayikhoni yokudanisa ikuxelela ukuba yenza indlela yokudanisa ibe nye.
	Jika ekunene	Jika ekunene.		Thetha	I - ayikhoni yokuthetha ikuxelela ukuba yitsho igama.
	Ukubemva kokubekela ngaphambili	Ukuba (inkcazo), ngoko ke yenza oku (yenza isenzo).		Jika	I - ayikhoni yokujika ikuxelela ukuba jika kube kanye. (Jika ngokupheleleyo).
	Thambekela ngaphambili	Thambekisela umzimba wakho ngaphambili.		Zoba	I - ayikhoni yokuzoba ikuxelela ukuba zoba.
	Thambekela ngemva	Thambekisela umzimba wakho ngemva.		Qhwaba	I - ayikhoni yokuqhwaba ikuxelela ukuba qhwaba kube kanye.
	Thambekela ekhohlo	Thambekisela umzimba wakho ekhohlo.		Hayifayifi (Ukubethana ngesandla esinye)	I - ayikhoni yokubethana ngesandla esinye ikuxelela ukuba bethanani ngesandla esinye.

IKhadi lokufakwa kwedatha ngokwee-Khowudi	Ileyibheli	Inkcazelo (isenzo)	IKhadi lokufakwa kwedatha ngokwee-Khowudi	Ileyibheli	Inkcazelo (isenzo)
	Thambekela ekunene	Thambekisela umzimba wakho ekunene.		Landela	I - ayikhoni yokulandela ikuxelela ukuba landela.
	Chola	Chola into.		Tyhala (Tshova)	I - ayikhoni yokutshaya ikuxelela ukuba tshova.
	Beka phantsi	Beka phantsi into.		Tsala	I - ayikhoni yokutsala ikuxelela ukuba tsala.
	Qalisa	I - ayikhoni yokuqalisa ikubonisa apho indawo yokuqalisa ikhona.		Oobhontsi phezulu	I - ayikhoni yoobhontsi phezulu isetyenziselwa ukuthi ewe.
	Hamba	I - ayikhoni yokuhamba ikubonisa ukuba uqalelani.		Oobhontsi phantsi	I - ayikhoni yoobhontsi phantsi isetyenziselwa ukuthi hayi.
	Yima	I - ayikhoni ka-yima ikubonisa ixesha lawume ngalo.		Cinga	I - ayikhoni yokucinga ikuxelela ukuba: <ul style="list-style-type: none"> cinga ngento. yiba nobuchule (uluvo); yenza isicwangciso
	Phinda kabini	Phinda isenzo kabini.		Tsiba	I - ayikhoni yokutsiba ikuxelela ukuba tsiba kube kanye.
	Phinda kathathu	Phinda isenzo kathathu.		Tsiba ngaphaya	I - ayikhoni yokutsibela ngaphaya ikuxelela ukuba tsiba ngaphaya kwentlo.
	Phinda kane	Phinda isenzo kane.			

4. Iimpawu zeNcwadi kaTitshala

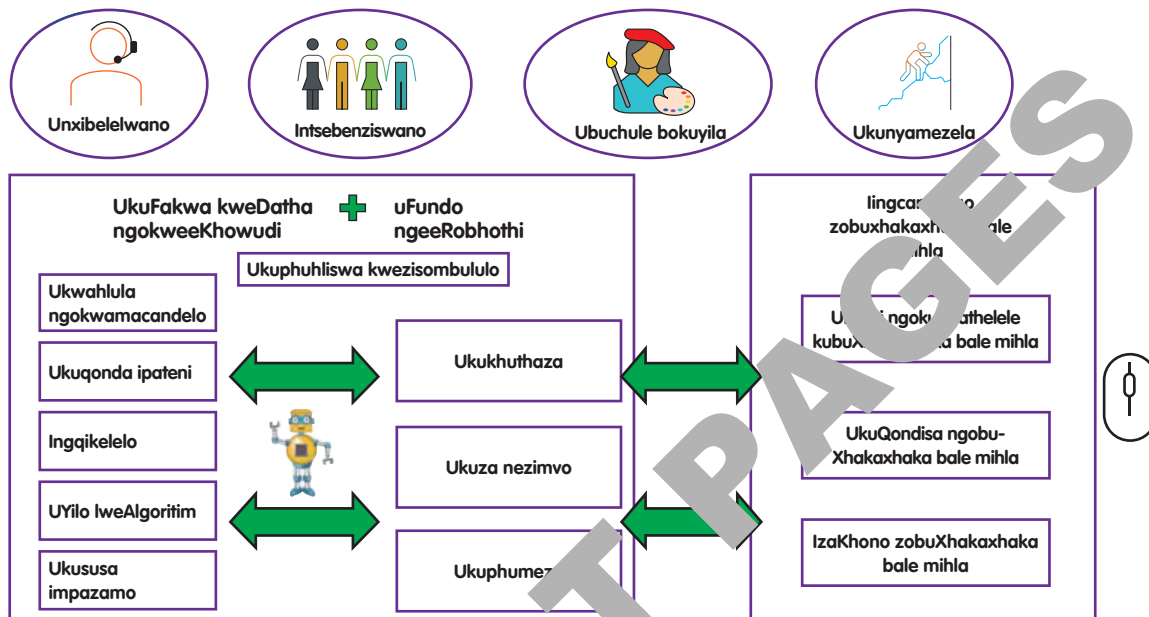


5. Inkcazelo yemfutshane

5.1 Yintoni ulwazi lwexhala kweDatha ngokweeKhowudi noFundo ngeeRobhothi?

- Ulwazi lwexhala kweDatha ngokweeKhowudi noFundo ngeeRobhothi kudibanisa imithetho siseko yolungelelwaniso lweenkqubo ngoyilo, ukwakha, nokusebenza kwerobhothi.
- Iingcinga, izenzo kunye nemibono yolungelelwaniso lweenkqubo ziyasetyenziswa ukulawula iirobhothi ukuba zenze imisebenzi etyunjelwe ukwenziwa ethile.
- Kubandakanya iingcinga zobuxhakaxhaka bale mihla ebhekiselele kwizimvo, imithetho siseko, neenkqubo ezahlukehlukeneyo ezinxulunyaniswa nobuchwepheshe bobuxhakaxhaka bale mihla nemisebenzi yabo.



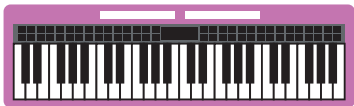

- Ikharityhulam yokuFakwa kweDatha ngokweeKhowudi noFundo ngeeRobhothi ibhekiselele kwezi ntsika zilandelayo, njengoko kubonisiwe kwisazobe esilapha ngezantsi:



Ikharityhulam yokuFakwa kweDatha ngokweeKhowudi noFundo ngeeRobhothi ibhekiselele kwezi ntsika zilandelayo:

- **Ukufakwa kwedatha ngokweeKhowudi** yinkqubo yokubhala imiyalelo enokuqondwa kwezi ntsika zelwe yikhompyutha. Yindlela abantu abaxelela ngayo ikhompyutha ukuyikwenze, ngenyathelo nenyathelo, ukubenza baqhube intsebenzi etyunjelwe ukwenziwa eyahlukeneyo.
- **uFundo ngeeRobhothi** kudibanisa ubunzululwazi nobunjineli ukuyila oomatshini abanokuqonda okubajikelezileyo, bathathe izigqibo, baze baqhube intsebenzi etyunjelwe ukwenziwa ngokuzimeleyo. Kunika abafundi ithuba lokufunda ukuphonononga, ukufunisela, nokuphuhlisa olwabo uyilo. uFundo ngeeRobhothi kujolise ekuyileni, ekwenzeni, nasekuqhubeni kweerobhothi.
- **Imiba yobuxhakaxhaka bale mihla** iquka izakhono ezinabileyo ezahlukahlukeneyo nokuqonda enceda abafundi basebenzise ubuchwepheshe ngokuyimpumelelo nangokuthembekileyo.

Kuquka la macandelo alandelayo:

 <p>Ukuhluzza: Ukujolisa kulwazi olubalulekileyo nolusemholweni uze ungaluhoyi ulwazi olungabalulekanga nolungekho mxholweni.</p>	 <p>Ukwahlulahlula ngokwamacandelo: Ukusombulula ingxaki entsonkothileyo ngokuyahlula ibe ziinxenye ezincinane eku nokuhlangatyezwana nazo.</p>
 <p>UkuQondwa kwePateni: Ukuchonga ukufana nokwahluka. Ukuqonda iipateni ezifanayo kwezinye iingxaki kukunceda ukuba usombulule ingxaki entsha.</p>	 <p>Ialgoritimi yichwayo amanyathelo olandelelwaniso okanye amanyathelo ukuqhuba umsebenzi otyunjelwe ukwenza.</p>

Kufundo ngeerobhothi, abafundi basebenzisa indlela yokukhumbula ingxaki ngokweenxenye ezincinane ukuyila ukwakha, nokuyila inkqubo yerobhothi. Ukusebenza kwerobhothi kubonisa indlela abayisebenzise ngayo le ngcinga xa bevavanya kwaye belungisa ikhondo.

6.2 Inkqubo esetyenziselwa ukuqonda abasebenzisi kuze kuyilwe izisombululo ezizizo

- Inkqubo esetyenziselwa ukuqonda abasebenzisi kuze kuyilwe izisombululo ezizizo ijolisa emantwini kwaye ikhuthaza ubuchule bokuyila nokungeniswa kwezinto ezintsha.

Ilandelayo le nkqubo yamanyathelo amathathu ilandelayo:

- Inkqubo esetyenziselwa ukuqonda abasebenzisi kuze kuyilwe izisombululo ezizizo yindlela yokusombulula ingxaki edibanisa ubuchule bokuyila nolwakheko kwaye ijolisa ekuqondweni nase kuhlangebaneni nemingeni.

Oku kulandelayo kuchaza inkqubo yokuyila:

- **Ukuba novelwano:** ukukwazi ukuqonda nokwabelana ngeemvakalelo zomnye umntu.
- **Ukuchaza:** ukunika iinkcukacha iimfuno zomsebenzisi, ukuquka nezakhono zakhe, iinjongo, kunye nemithetho siseko engundoqo.
- **Ukunika izimvo:** kuquka ukuyila izimvo nezisombululo usebenzisa imindlela ezahlukeneyo.
- **Umzekelo wokuqala:** ubandakanya ukuyila isisombululo esinye kunye ngaphezulu ukusombulula ingxaki.
- **Ukuvavanya:** ukuphicotha ukusebenza kwesisombululo.

7. Ukusebenzisana kokuFakwa kweDatha ngokweKhowudi noFundanengeeRobhothi

<p>Ii - algoritim Kwilitheresi, ulandelelwaniso nokushwankathela umdlalo yindima ebalulekileyo Kwimathematika, ukwahlulahlula iingxaki ezintsonkothileyo zibe ngamanyathelo amahlanane, alula yindlela ebalulekileyo yokusombulula iingxaki</p>	<p>Imodularithi Kubunzululwazi nezakhono zokuthetha emathematika, ukwahlula ukusebenzi etyunjelwe ukwenziwa ibe ziinxenye ezincinane, onokuzenza kwenza ukuba kube lula ukujongana nazo nokuzisombulula</p>	<p>Izilawuli Kukufakwa kwedatha ngokwekhowudi, qinisekisa indlela yodweliso ehamba ngayo imiyalelo kwiprogram Kwimathematika, ukucinga ngendlela yokuphonononga kuthetha ukusebenzisa ingqiqo nokuzama iindlela ezahlukeneyo zokusombulula iingxaki</p>
<p>Ukufakwa kwedatha ngokwekhowudi ngummi olubhalwayo Inkqubo yokufunda ukukhowuda rhoqo itholekiswa nokufumana ulwimi olutsha</p>	<p>Ukuyila Ukuyila izinto ezenziwe ngezandla zeerobhothi kuqhagamshelanisa iinxalenye nobuGcisa bokuYila kwaye kudibanisa iinxenye zezaKhono zoBomi</p>	<p>Iingcamango zobuxhakaxhaka bale mihla Imiba enje ngeziphumo zobuchwepheshe nokuba ngummi wobuxhakaxhaka bale mihla inxulumene nezaKhono zoBomi (Ukuphila kakuhle ngokoBuqu nangokweNtlalo)</p>

kwisiGaba sabaQalayo

8. Ulwabelo lwexesha

NgokweNkcazelo yoMgaqonkqubo weKharityhulam noHlolo (*Curriculum and Assessment Policy Statement*) (i- CAPS), ukuFakwa kweDatha ngokweehowudi noFundo ngeerobhothi zabelwa iyure enye ngomjikelo weentsuku ezintlanu ngamnye kwizilbanga R ukuya ku-2, neeyure ezimbini ngomjikelo weentsuku ezintlanu kwizilbanga 3.

Le theyibhile ilandelayo inika ulwabelo lwexesha ngekota kwisiGaba R:

Isilbanga 1 = % ngeveki	Ikota 1	Ikota 2	Ikota 3	Ikota 4
UkuQonda iPateni	15	15	15	15
Ii - algoritim & Ukufakwa kwedatha ngokweehowudi	50	50	50	50
Ufundo ngeerobhothi	30	30	30	30
Iingcamango zobuxhakaxhaka bale mihla	5	5	5	5
Zizonke	10 iiveki	10 iiveki	10 iiveki	10 iiveki

9. Iyantlukwano Ulingano noQuko



Itheyibhile 1: Iindidi zeyantlukwano

Udidi lweyantlukwano	Inkcazelo	Okufikelelweyo encwadini
1. IyaNtlukwano ngokweNkcubeko nangokoBuzwe	Oku kubhekiselele kukumelwa kweemvelaphi ezahlukahlukeneyo ngokwenkcubeko nangokobuzwe, ukuqinisekisa ukuba abafundi “banikwa ulwazi bevezelwa imibono” eyahlukeneyo nezithethe.	Sibandakanye abalinganiswa abazirobhothi beemvelaphi ezahlukeneyo. Amabali nemizekelo abandakanya izithethe, amasiko, neelwimi ezahlukeneyo. Oku kunceda abafundi ukuba bathande ubutyebi benkcubeko kwaye abafundi bazi iinkolelo ezigwenxa ngokunika imibono elinar dayo ngemiba yezembali neyamandla.
2. IyaNtlukwano ngokweSini	Iyantlukwano ngokwesini ibhekiselele ekubonisweni kwazo zonke izini kwaye iquka iingxoxo eziphathelele kwiindima zesini, ukuzazi ngokungaphathelelanga kwinkolelo kububini bezini, nokungabinasini esisisigxina.	Uza kuqaphela ukubonakaliswa okungangayo kwazo zonke izini kumalungelo, nemizekelo. Sibandakanye abalinganiswa abangenankolelo kububini bezini, abangenasini esisisigxina, kunye nemisebenzi emngeni kwiindima ngokwesini esiqinisekisiwe. Umzekelo, amakhwenkwe namantlalo anayaboniswa ebandakanyeka kumakhasi omsebenzi onokulandelwa awahlukelani, ukusukela ekuncediseni ekhitshini okuya kubuzululwazi nakubugcisa, kukhuthazwa namakulingwane ngokwesini.
3. IyaNtlukwano kweNtlalo noQoqosho	Oku kubandakanya ukubonisa abantu beemvelaphi ezahlukeneyo ngokuphathelele kwezozoqosho, ngemiba yokubalingani ngokuphathelele kwezozoqosho.	Sibandakanye abalinganiswa abasuka kwiimeko ezahlukeneyo zentlalo noqoqosho, sigxininisa imingeni yofikelelo kwezemfundo, ukhathalelo lwezempilo, kunye nemithombo. Oku kuvumela abafundi ukuba bazibandakanye nemizekelo yokwenene yobomi esibuphilayo kunye neengxoxo ezibonakalisa iimeko zoqoqosho ezahlukeneyo, kusenziwa umxholo ukuba ube ngoqhelekileyo kumntu wonke.
4. IyaNtlukwano ngokoLwimi	Iyantlukwano ngokoLwimi kubandakanya iilwimi ezininzi nokuhlonipha iilwimi zesizwana ezahlukeneyo ezithethwa ngabantu abahlukeneyo.	Uza kufumana umxholo obandakanya iilwimi ezininzi kwaye okhuthaza abafundi ukuba bahloniphe iilwimi zesizwana ezahlukeneyo. Sibandakanye kwakhona imizekelo egxininisa ukubaluleka kokuguqula nokutolika, ingakumbi kwihlabathi jikelele lokuthungelana kwabantu ngobuchwepheshe, silungiselela abafundi ukuba babandakanyeke kunxibelelwano lwabo.
5. UkuPhila nokuKhubazeka noFikelelo	Oku kujolise ekubonakalisweni kwabantu abaphila nokukhubazeka kuze kuhlangatyezwane nemiqobo yofikelelo.	Abalinganiswa abaphila nokukhubazeka babandakanyiwe, kuqinisekiswa ukubonakaliswa kwabo emabalini nakwimisebenzi. Sixoxa kwakhona ngemiba yofikelelo, kunye ngokuphathelele emzimbeni, kubuchwepheshe, okanye ekuhlaleni, kwaye sisebenzisa ulwimi lomntu lokuqala oluqakayo. Oku kudala imekobume eyamkela ngokungaphaya kubo bonke abafundi kwaye kukhuthaza uvelwano nokuqonda.

<p>6. Ilungelo lokuzikhethela iqabane ngokwesini ne-LGBTQ+ noQuko</p>	<p>I-LGBTQ+ ibonakalisa lbhinqa elithandana namabhinqa, Indoda ethandana namadoda, Abanomdla kwizini ezahlukileyo, Umtshintshisani, Abahluke kwisiqhelo okanye ingcamango ngabahluke kwisiqhelo, nabanye. U- “+” umele uquko namanye amalungelo okuzikhethela iqabane ngokwesini, ukuzazisa ngokwesini, kunye nezinye iimbonakalo ngaphandle lwezo zihlelwe ngokukodwa, ezinjengabantu abangaphathelelanga kwinkolelo kububini bezini, abathanda izini ezahlukeneyo, abangenamvakalelo ngokwesondo, kunye nabangenasini esisisigxina. Eli gama lisetyenziselwa ukuquka uninzi lobuni nokuzazisa ngokwesini, kukhuthazwa ulwamkelo noquko kubonke.</p>	<p>I-LGBTQ+ neentsapho zibonakaliswe kuzo zonke iincwadi, zibonisa imeko yeyantlukwano. Sibandakanye imizekelo nemizekeliso yemeko ephotononga i-LGBTQ+ imiba namalungelo, kunye neengxoxo zokuchasa ucalucalulo, kuncedwa abafundi ukuba baqonde kwaye bahloniphe iyantlukwano ngokuphathelele kwilungelo lokuzikhethela iqabane ngokwesini.</p>
<p>7. IyaNtlukwano ngokweNkolo nangokoMoya</p>	<p>Oku kubandakanya ukusuka kwiinkolelo ezahlukeneyo nokukhuthaza iinkolelo ezithethezomayo ezahlukeneyo.</p>	<p>Iincwadi zethu ziqulethe umxholo owazisa abafundi kwiinkolelo ezahlukeneyo nezithethezomayo. Sikhuthaze kwakhona incoko ngeenkolelo ezahlukeneyo ukunceda ukuqhuba intlonipho nokuqonda amasiko nezithethezomayo ezahlukeneyo. Iimeko zokungazibopheleli nonqulo oluthile zibandakanyiwe nazo, kuqinisekiswa ukuba zonke izithethezomayo ziyahlonitshwa kwaye zibonakaliswa ngobulungisa.</p>
<p>8. IyaNtlukwano ngokobudala</p>	<p>Iyantlukwano ngokobudala ukuquka ukubandakanya abantu bamaqela obudala obahlukeneyo kunye nokuxoxa ngemiba enxulumene nobudala.</p>	<p>Ezincwadini, uza kufumana abalinganiswa nemizekelo ukusuka kubantwana abancinane ukuya kubantu abadala. Sigxininise ukubaluleka kobudlelane obuphakathi kwezizukulwana ngezizukulwana, saxoxa kwakhona ngezihloko ezinxulumene nobudala ezinje ngomhlalaphantsi nokwaluphala. Oku kunceda abafundi baqonde ixabiso leqela lobudala ngalinye ekuhlaleni.</p>

9. IyaNtlukwano ngokoMmandla	Iyantlukwano ngokommandla ibonakalisa abantu nemiba yemimandla neyeemeko bume ezahlukahlukeneyo, ehlabathini nakwingingqi.	Iincwadi ziquka umxholo wemimandla eyahlukeneyo kwihlabathi jikelele, kuhlangatyezwana nemiba yehlabathi neemeko zeengingqi ezisemxholweni kubafundi. Sizinzise kwakhona imizekelo yezimontlalo zasedolophini nezasezilalini, sibonisa imingeni eyodwa neenzuzo ngokunjalo zemekobume nganye.
10. IyaNtlukwano ngokweNgqondo nangokuFunda	Oku kubhekiselele ekuhlangabezeni neendidi zokufunda ezahlukeneyo, izakhono, kunye nomahluko ngokwengqondo, njengeyantlukwano yemithamboluvo.	Siyamkele iyantlukwano ngokwengqondo nokufunda ngokubandakanya iindlela ezahlukeneyo ezahlukahlukeneyo ezilungiselele iindlela zokufunda. Imisebenzi iyilelwe ngokungiselela iimfuno zokufunda ezahlukeneyo, kufunazwa imekobume yokufunda ngokanye. Sigeze kwakhona uhlobo lwanophando olukhawulezileyo ukuba uzithathele ingqondo.

10. Ukuyila imekobume yaseklasini equkayo neyahlukahlukeneyo

10.1. Iyantlukwano eklasini

Izicwangciso - qhinga 1 – 10: Ukuyikha i-iklasi elulutho nequkayo

- 1. Yila isithuba esikhuselekile:** Qinisekisa ukuba iklasi yakho yindawo apho abafundi beziva bekhuselekile ngokuphathelele emzimbeni, emoyeni, nasengqondweni. Bakhuthaze babuze imibuzo, kubonisa nokwazi, baze baxhasane ekufundeni noontanga.
- 2. Beka imigaqo ecacileyo, enentlonipho:** Qhuba imekobume yokuhluphane nokuthembana ngokumisela imigaqo yaseklasini ecacileyo. Xa wabandakanya umntu ekwazi okulindelekileyo, iklasi iba yindawo elungileyo kubo bonke.
- 3. Jolisa na nendlela yokuziphatha kakuhle:** Jolisa kwindlela yokuziphatha ekhuleni ngokuncoma abafundi nanini na kusenzeka. Ukukhuthaza okuhle kuzi kukhokelela kokungaphaya.
- 4. Makungahlaselwana okanye kungcungcuthekiswe abanye:** Qinisekisa ukuba iklasi yakho yindawo engenako ukungcungcuthekiswa, apho lonke uluvo lomfundi lukhathalelwa, kwaye beziva bexatyisiwe kwaye bebandakanywa.

5. **Unxibelelwano olunentlonipho:** Beka umgangatho wokumamela nokuthetha ngentlonipho. Kuthetha umntu omnye kuphela ngexesha, kwaye amamele ngononophelo. Kumalunga nokusebenza neqela indlela esebenzayo yokomeleza ulwazi nobunkokeli.
6. **Khuthaza ukuhleka kunye:** Nika abafundi ithuba lokuhleka kunye kodwa bangahlekani bona. Ukwakha ingqiqo yoluntu ngokuvuya kunye komeleza inkqubela phambili yeklasini.
7. **Yakha ubudlelane beqela:** Yila uqhagamshelwano olomeleayo phakathi kwakho nabafundi kunye nabagcini/abazali babo. Bonke abafundi abasebenza kunye bakhokelela kwezona ziphumo zihle kubafundi babo.
8. **Yamkela iindlela zokufunda ezahlukeneyo:** Yazi ukuba abafundi ngamnye unendlela yakhe yokufunda. Xhasa uze wamkelwe ngahluko.
9. **Khuthaza ukufunda koontanga:** Khuthaza abafundi bafunde omnye komnye. Oku kwakha ukuzithemba nokusebenzisana eklasini yakho.
10. **Yazisa ukufundisana koontanga:** Monda abafundi ukuba babe ngabafundisi bona ngokwabo ngokwakhokela ekufundisaneni koontanga. Yindlela eyonwabisayo nesebenzayo yokomeleza ulwazi nobunkokeli.

10.2. Vuyisana nokufana yedwa umfundi ngamnye

Kubalulekile ukuba abafundi namanye namava abo awahlukahlukeneyo abonakaliswa eklasini. Oku kubandakanya ukubonisa iyantlukwano ngembonakalo, iilwimi, iimvelaphi, iimeko ekoinkolo, isini, ilungelo lokuzikhethela iqabane ngokwesini (ukuquka i-LGBTQ+), ubudala, kunye nezakhono zokuqiqqa. Iincwadi zethu zinabalisa abafundi neemvelaphi ezahlukeneyo ukubonakalisa lamava ahlukahlukene. Umhlongetsi ngononophelo imifanekiso, umsebenzi wobugcisa, nomxholo oqinisekisa abantu abahlukeneyo, iimekobume, neenyano ezenza uMzantsi Afrika ungaphaya kwawo.

Sikhothaza ukuba wenze njalo nawe eklasini yakho. Sebenzisa ukubalisa amabali ukugxamiseka iimvelaphi ezahluukahlukeneyo, bonisa imifanekiso yezimontlalo zasezilalini nezasedolophini, uze uthethe ngabantu abanezakhono ezibonakalayo ezahlukeneyo, izakhono zengqiqo, kunye neemvelaphi, ukuquka i-LGBTQ+. Xoxa ngeenkolelo ezahluukahlukeneyo, ubudala, kunye neyantlukwano ngokwesini, uze uphonononge iimeko zoqoqosho ezahlukeneyo abanokudibana nazo abafundi bakho. Thatha ixesha lokufundisa ngoqhagamshelwano lwethu namanye amazwe kunye nabantu kwiAfrika Jikelele kunye nakwihlabathi. Ngokwenza oku, unceda umfundi ngamnye azive ebonakala, exatyisiwe, kwaye eyinxenye yoluntu lwehlabathi elinabileyo.

11. INkqubo yenzululwazi ngokuFundisa

Ithiyori yoguquguquko yinkqubo yenzululwazi ngokufundisa ejolise kwindlela abafundi abahlula nabaqonda ngayo imiba ebalulekileyo yengcamango ngokubona **ugquguquko** kokufundiswayo. Uluvo olungundoqo kukuba abafundi baqonda ingcamango ngokunzulu ngokungaphaya xa benikwa imizekelo emininzi kunye noku ngeyomizekelo okugxininisa umahluko okufana kwisifundo esithile.

Uluvo olungundoqo **IweThiyori yoGuquguquko** kukuba abafundi kufunda ngokungcono xa bebona umahluko nokufana kokufundiswayo. Indlela ukuba abafundi abanakuyiqonda ngokupheleleyo into ngaphandle kokuba bayayibona kwiindlela okanye kwiimeko ezahlukeneyo. Ngokubonisa umiba yengcamango iyintoni na kwaye ayiyonto, abafundi banokujolisa kokuba ukubalulekileyo.

Ngokulula, **ukufunda ingcamango ngokwaneleyo, abafundi kufuneka abone okutshintshayo nokuhlala kunjalo**. Oku kubaluleka ukuba baqaphele iinxenye ezibalulekileyo zoluvo. Singootitshala, singanceda ngokubonisa imizekelo eyahlukeneyo egxininisa lo mahluko, senzele lula abafundi ukuba baqonde ngokunzulu.

Imiba engundoqo yethiyori yoguquguquko ekufundiseni nasekufundeni iquka:

11.1. Ukujolisa kwiiMpawu eziBalulekileyo: Utitshala uchonga iimpawu ezibalulekileyo zengcamango ezazi thaca uguquguquko olugxininisa ezo mpawu.

11.2. IiPateni zoGuquguquko: Utitshala usebenzisa iipateni ezahlukeneyo ukunceda abafundi babone okuguqukayo kwaye nokuba kokuphi okuhlala kunjalo. Ezi pateni iquka:

- **Umahluko:** Ukuthi thaca imizekelo echaseneyo ukugxininisa umahluko.
- **Ukuqonda:** Ukubonisa uguquguquko kwingcamango ukuqonda ukusetyenziswa ngokubanzi.
- **Ukujolisa:** Ukuthi thaca uphawu ngalunye lodwa ukujolisa ukubaluleka kwalo.
- **Ukudibanisa:** Ukudibanisa iimpawu ezibalulekileyo ukubona indlela ezisebenzisana ngayo nengcamango.

11.3. Ingqiqo: Ngokufumana imizekelo eyahlukahlukeneyo, abafundi bangaqonda imiba ebalulekileyo baze baphuhlise ukuqonda ingcamango ngokunzulu.

12. Indlela yokufundisa ukuFakwa kweDatha ngokweKhowudi nofundo ngeeRobhothi

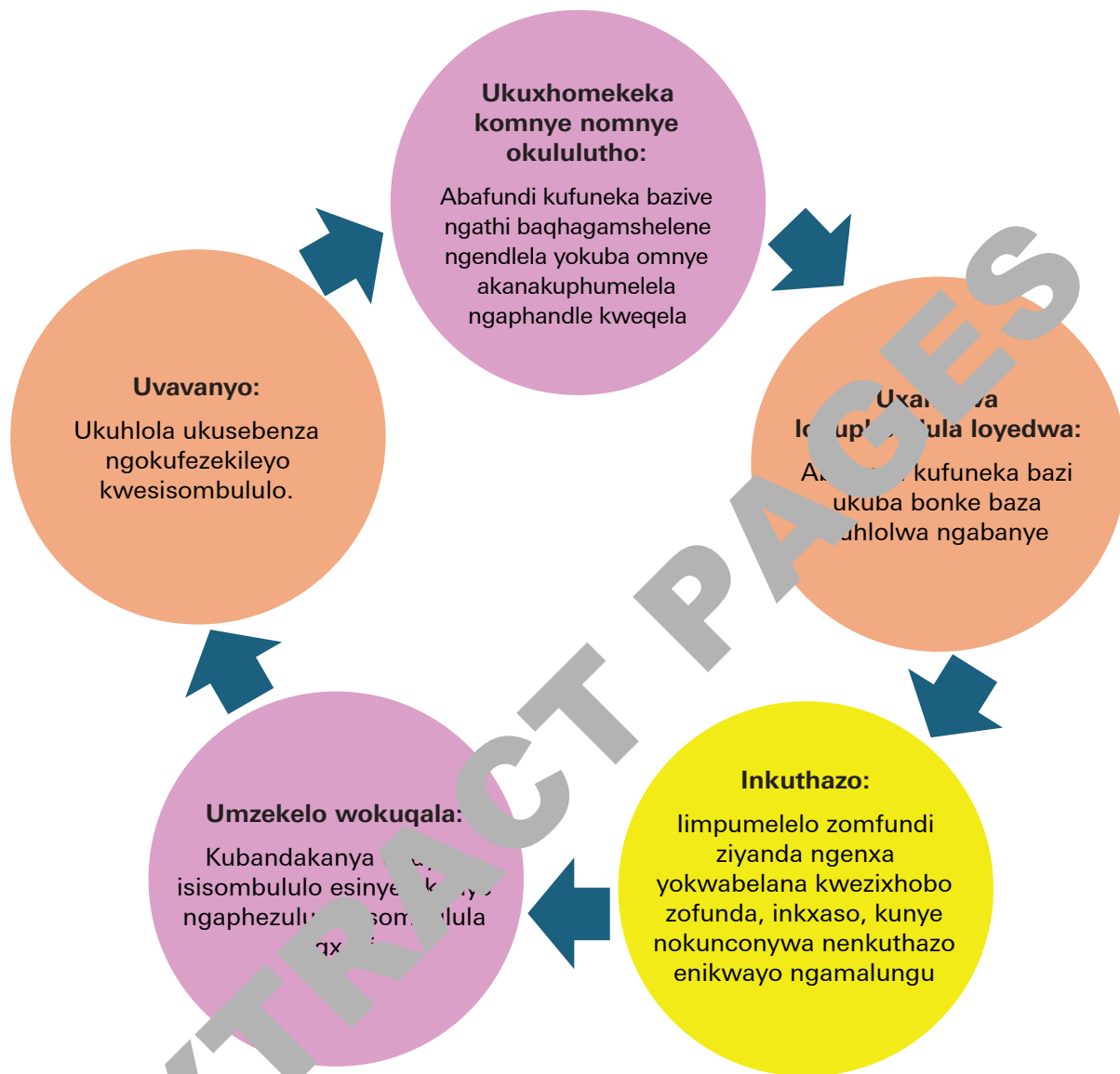
Ukufundisa nokufunda kuza kuthatha isicwangciso - qhinga sokufunda okusekelwe kwingxaki, kugxininiswa inkqubo esebenzayo, egxile kumfundi.

UkuFunda okuSekelwe kwiNgxaki VS ukuFunda kweMveli	
<ul style="list-style-type: none"> • Abafundi basebenza ngokwamaqela ukusombulula iingxaki zokwenyani zokuphila. • Ukuphuhlisa ukusebenza ngokwamaqela, unxibelelwano nezakhono zophando. • Ukwandiswa kwezakhono zokucinga ngokuhlaba amadlala nezokusombulula ingxaki. 	<ul style="list-style-type: none"> • Ootitshala mabenze imiyalelo. • Abafundi banikwa ulwazi ngokufunda kokuzama kwelabo icala. • Uxhomekeka ekufundeni ngokwenkqubo.

12.1. UkuFunda ngeNtsebenziswano

Ukufunda ngeNtsebenziswano yindlela yokufundisa apho abafundi basebenza kunye ngokwamaqela amancinane, beqondisana ukufunda. Oku kwenza ukufunda kube mnandi kwaye kubanceda abafundi baphucule izakhono zabo.

Imisebenzi yokufunda neendima emisela ngendlela ngutitshala kwaye azibeke iliso, kwaye ilungu ngalinye lindlela ngokuba iliso indlela abaqhuba ngayo izifundo zabo abanye. Ukuphumeza kwaye ukwimpumelelo ukufunda ngeNtsebenziswano, ababhali abakhokeleyo eminkqubo (*uDavid Johnson noRodger Johnson*) bagxininisa ukuvuselelwa kweenjongo kweenxalenye ezintlanu ezisisiseko (*Johnson & Johnson, 2002:55-56*).



12.2. Ulungelelwaniso lweenkqubo lweziBini

Ulungelelwaniso lweenkqubo lweziBini yindlela yokufundisa apho abafundi ababini usebenza kunye ukugqiba umsebenzi otyunjelwe ukwenziwa okanye injongo ekwabelwana ngayo. Ulungelelwaniso lweenkqubo lweziBini lusuka kwishishini lolungelelwaniso lweenkqubo. Kwimeko yesikolo, umfundi omnye uza kudlala indima yokuba ngu-“mqhubi”, aze omnye umfundi abe ngu-“mlawuli”.

Umqhubi = usebenza kwikhibhodi okanye ubhala ephepheni.

Umlawuli = usebenzisa imithombo aze ahlole umsebenzi womqhubi.

Kule sethi yeencwadi, imisebenzi yegridi emininzi iza kubandakanya umfundi omnye osebenza njengo- “khowudayo,” oza kuyila inkqubo ye-“robhothi.” Omnye umfundi uza kudlala indima yokuba yi-“robhothi,” elandela imiyalelo yokhowudayo.

12.3. UQheliso oluneNjongo

Ukufakwa kwedatha ngokwekhowudi nofundo ngeerobhothi kufuna ukucinga ngokuhlaba amadlala, ukujolisa, noqheliso lwarhoqo. Olu qheliso kufuneka use nenjongo, lucwangciswe ngokufezekileyo, kwaye lwakhiwe kancinane ukuba eselikhona. Uqheliso olunenjongo lubandakanya ukumisela iinjongo eodvwa, ukufumana ingxelo yempendulo, nokwenza iinzame ezijolisiweyo ukomeleza izakhono.

12.4. Ubunzululwazi bokufunda

Ikharityhulam ikhokelwa bubunzululwazi bokufunda, osononga ezona zicwangciso - qhinga zingcono ngokusekelwe kubungqina obuphucula ukugcinwa kwexesha elide kwaye okomeleza izixhumo zokufunda.

13. Ulawulo lwesifundo eluempumelelo

Cwangcisa kwangaPhambili

Ququzelela izifundo ezineenjongo ezicacileyo nezineemathiriyeli ezilungileyo. Okokongca ixesha kwangaphambili kugcina abafundi bejolisa.

Yaziwa ngokuLula

Yaziwa imisebenzi etyunjelwe ukwenziwa ibe ngamanyathelo amancinane, ekunokuba lula ukuba abafundi bakho bawalandele.

Hlala ulungele ukuTshintsha

Lungela ukuhlengahlengisa isifundo sakho ukuba abafundi bayasokola okanye ukuba kukho iziphazamiso.

Babandakanye abafundi

Sebenzisa imisebenzi eyahlukeneyo ukugcina abafundi besemdleni kwaye ubakhuthaze ukuba bathabathe inxaxheba.

UkuLawula iXesha

Hlala kwishedyuli kodwa nika ithuba abafundi babuze imibuzo baze baphonononge izimvo ezintsha.

14. Ukulawula iiklasi ezinkulu

Ukulawula iiklasi ezinkulu, okuxhaphakileyo kwizikolo ezininzi, kungumngeni. Ukumisela izikhokelo zokufunda ngentsebenziswano kunceda ukuqhuba uluntu olufundayo olunentlonipho, oluqakayo. Ukubandakanya abafundi ukuseka iinjongo zendlela yokuziphatha nokufunda kukhuthaza ubumnini bemigaqo nokulindelweyo.

Izicwangciso - qhinga zolawulo lweklasi olusebenzayo ziquka:

- Ukumisela imida: Nxibelelana ngokucacileyo ngemigaqo nemidlalo kwasekuqaleni uze uqhubeke nokuzomeleza.
- Umsebenzi wemihla ngemihla nobume: Ukulondoloza imisebenzi yemihla ngemihla ezinzileyo kunceda ukulawula iiklasi ezinkulu.
- Umsebenzi woontanga: Ukubeka ngababini okanye ngamaqela abafundi kukhuthaza ukufundiswa koontanga, intsebenziswano, kunye nolwabelwano ngoxanduva.
- Izixhobo zokufundisa ezibonwayo nezimanyelwayo: Sebenzisa izixhobo zokufundisa ezibonwayo (iipowusta, iinqondiso yezandla) nemiqondiso emanyelwayo (umculo, ukuqhwaba, ukuzomeleza imiyalelo).
- Umyalelo wokwahlula: Lungisa izifundo ngendlela yokuhlangabezana neemfuno ezahlukeneyo zabafundi baseklasini.
- Kubalulekile ukukhumbula ukuba bonke abantwana bangabantu ngokuzimeleyo, kwaye akubangelelekanga ukuba uquke ukuqonda nolwazi kuzo zonke imicuko neemvelaphi. Ukufunda kususiphumo samava. Umfundi ngamnye unolwazi lwakhe analo ngokusekelwe kumava angaphambili ngamnye ufana yedwa.
- Ukuba ufana abafundi bakho babe ngabona bangcono, kufuneka ufake engqondweni yabo ukuzithemba. Umfundi ozithembileyo ngulowo ovulekileyo novulindleleyo umingeni kwaye ke ngoko uza kuziqonda ngokukhawuleza iinjongo malunga ezintsha.
- Ukusithemba komekobume ekhuselekileyo apho abafundi bekulangazelela ukuthatha imingcipheko nokwenza iimpazamo kuqhelekile kwaye kuyinxenye yenkqubo yokufunda. Nika ithuba abafundi ukuba babe nempumelelo xa beqalisa uhambo lwabo lokufunda izakhono ezingundoqo ezibandakanyiweyo kwisiNgesi sesiGaba sabaQalayo. Oku kuthetha ukuqalisa kwinqanaba labo, ukuxhasa okwethutyana, kunye nokubaxhasa ngelixa befunda ulwimi olutsha kunye neengcamango zelitheresi.
- Bakholelwe abafundi bakho. Umfundi ngamnye kufuneka azi ukuba umntu uyabakholelwa, kwaye nokuba baza kuphumelela.

15. Ukusebenzisa uMsebenzi wobuChule noweziVo ekuFundeni

Ukubandakanya imisebenzi yobuchule kwimisebenzi yemihla ngemihla yaseklasini kungabandakanya abafundi kwaye komeleze umbono wabo wemeko bume yokufunda. Umculo, umzekelo, usetyenziswa kwihlabathi jikelele ukuyila imo elulutho, ulungise isimo sengqondo, kwaye uxhase uphuhliso lokufunda. Uphando lubonisa ukuba umculo unceda ukuqulunqwa kobuchopho intetho kunye nokugcina ukufunda. Ukuba usebenzisa umculo, qinisekisa ukuba awuna mpembelelo ingantlanga kubafundi abaneengxaki zezivo okanye zezivungoku bandakanya abafundi ekuchongweni komculo ukwenza oko kubandakanya aqakayo.

Intshukumo, ukucula, nokutshanta kungakhuthaza abafundi. Ukuba kubancede ukugcina ngoku phindaphinda, ngesicengcelezo, kunye nomsebenzi wokushukumisa umzimba. Le misebenzi yongama misebenzi yemihla ngemihla eyahlukahlukeneyo kwaye ukufunda kube mnandi.

16. Imekobume eyenye

Ukwazisa iimeko bume ezahlukene kunye ukutshintsha indlela ecwangciswa ngayo iklasi kungavuselela ukufunda ngamanye amaxesha ukubamba iklasi phandle okanye ukulungisa ngokwabo isithuba esiseklasini kungaluncedo. Ukuba izihlandlo zotyebile olufutshane kwangaphandle kwekhampasi azinakwenzeka, ukutshintsha nje iklasi nokutshintsha iindlela zokuhlala okanye ukubeka imathiriyeli entsha kungabona imeko bume iguquguquka.

Izihlandlo zotyebile olufutshane, xa kunokwenzeka, zinika amathuba okufunda ngamava. Qinisekisa inoqo ngokuthobela izikhokelo zakho zesikolo xa ucwangcisa imeko. Ukuba izihlandlo zotyebile olufutshane azinakukhethwa, cela abazali kunye abahlali ukuba benze igalelo lezinto ezinxulumene nezihloko ezifundwayo ukwenza ukufunda kubandakanye ngakumbi.

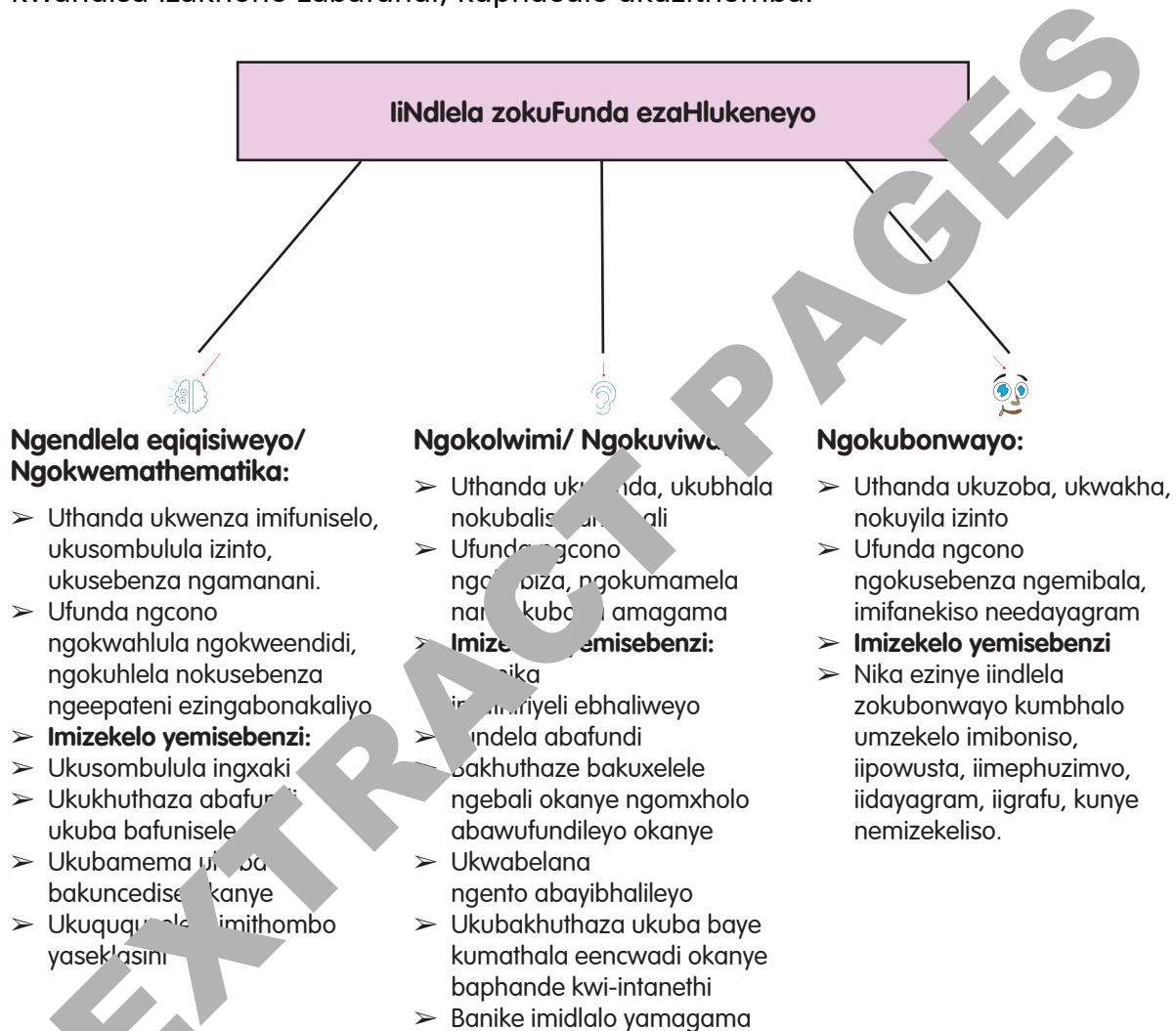
17. Ukuxhasa iindlela zokufunda ezahlukahlukeneyo

17.1. Qonda ukuba abafundi abahlukeneyo bafunda ngokwa hlukeneyo

Sonke sifumana ulwazi, silungise kwaye sivakalise ulwazi ngokwa hlukeneyo ngoku xhomekeka kwindlela yethu yokufunda. Khumbula ukuba eklasini yakho kuza kubakho abafundi abandlela yabo yokufunda yahlukileyo kweyakho.

Thetha ngeendlela zokufunda ezahlukeneyo eziklasini. Abanye abantwana bakhetha ukubona ulwazi olutsha, ngelixa abanye befunda ngcono ngokuva ngalo.

Ukuba ungangabezana nezi ndlela zokufunda zahlukeneyo, oko kuza kwandisa izakhono zabafundi, kuphucule ukuzithemba.



18. Ukuba seMpilweni kukaTitshala

Ukufundisa likhondo elinoxinzelelo oluphezulu. Ayilokhondo elixakekisayo nje kuphela, elinemingeni emininzi yemithombo, linokubonakalisa kwakhona iingozi ezininzi kwilizwe elinamazinga aphezulu olwaphulomthetho nobundlobongela. Ngenxa yezi zizathu kunyanzelekile ukuba ube neenkqubo zokuzikhathalela, uyekelele uxinzelelo uze ulungise amava azo neenkxalabo ngokunjalo.

Ukunyamekela nokucamngca

Thatha imizuzu embalwa usuku ngalunye uphumle ngokunyamekela. Imithambo yokuphefumla nokuzolisa iingcinga zakho kunganceda ukunciphisa uxinzelelo. Imithombo engahlawulelwayo yokucamngca iyafumaneka kwi-intanethi kwaye angayenza eklasini yakho xa kuthulekile.

Yakha uluntu olunenkxaso

Ngena okanye yila iqela lezinye iititshala ukulungiselela inkxaso nokufundisa. Ukwabelana ngamava nabanye kungakanceda uhlangabezane nemingeni nokufundisa kwaye kunike imibono emitsha.

Indlela yokuPhila ngokuseMpilweni

Yitya ukutya okunezondlo, hlala uzivocavoca, uze ulikhathale izizwi lakho. Imikhwa elula yemihla ngemihla kukuhlala ngokusela amantso a izizwi ezondlayo, kwaye ukuzivocavoca rhoqo kuza kugcina amazinga amantso yakho ephezulu kwaye kukhusele impilo yakho.

Impilo yengqondo neyovakalelo

Ukufundisa abantwana abancinanabaso ichengeni kungaxakekisa ngokovakalelo. Kubalulekile ukuba ube nendawo ephile kileyo okanye indawo apho unokuthetha ngezinto eziluxanduva lwakho ukulungise umthwalo wengqondo yendima yakho.

19. Uhlolo

Uhlolo luquka iindlela ezahlukahlukeneyo ezisetyenziselwa ukulinganisa inkqubela phambili yabafundi nokuqonda kwimathematika. Alukho nje malunga neemvavanyo ezimbalunga nokuphonononga indlela abafundi abaqonda ngayo iingcamango baze basebenzise izakhono zabo. Uhlolo oluqhubekayo lwabafundi besibini sabaqalayo luqhuba ukubeka iliso okuqhubekayo kwenkqubela phambili yomntu ninye neziphumo zokufundisa. Kukuvumela ukuba uphicothe iindlela zakho nokuqhubela phambili komfundi kwaye wenze izigqibo zokuyalela ezifanelekileyo, zemihla ngemihla. Uhlolo kufuneka ludityaniswe ngokuzenzekelayo kwinkqubo yokufundisa nokufunda kusetyenziswa iindlela ezibandakanyayo, ezonwabisayo nezikhuthazayo ukuze abafundi bathabathe inxaxheba ngokuzimiseleyo.

Uhlolo luquka iindlela ezahlukahlukeneyo zokulinganisa inkqubela phambili yabafundi nokuqonda. Uhlolo lwarhoqo lunceda ukuba ubone indlela abaqonda kakuhle ngayo iingcamango abafundi baze basebenzise izakhono zabo. Kwisigaba

sabaqalayo, uhlolo oluqhubekayo lunika ithuba ukubekwa kweliso okuqhubekayo kwenkqubela phambili yomfundi nokusebenza kokufundisa. Oku kukunceda ukuba uphicothe iindlela zakho zokufundisa nokukhula komfundi, kukuncede ukuba wenze izigqibo zemiyalelo ezisekelwe kulwazi, zemihla ngemihla.

19.1. Uhlolo lokufunda

Uhlolo lokufunda ludityaniswa ngokuzenzekelayo kwinkqubo yakho yokufundisa, apho iindlela ezonwabisayo, ezibandakanyayo, nezizasayo zikhuthaza ukuthabatha inxaxheba kwabafundi ngokuzimiseleyo. Inceda ukuba uqaphele apho abafundi bafuna khona inkxaso kwaye kukhulule ukufundisa kwakho kuhlangebezane nezidingo zabo.

<p>Qwalasela ngelixa imisebenzi</p> <p>Qaphela indlela abafundi abaqhuba ngayo imisebenzi etyunjelwe ukwenziwa kwaye ubuze imibuzo ekhokelayo ukubaxhasa.</p>	<p>Oobhontsi phezulu, oobhontsi Phantsi</p> <p>Sebenzisa oku emva kwesifundo njengo kukhangelisa ngokukhawulezileyo ukuqonda kwabafundi.</p>	<p>Ukuzihlola</p> <p>Abafundi azobuqubusela irobhothi obungqongilelana neemvakalelo zabo ngendlela ezenze kakuhle ngayo umsebenzi.</p>	<p>Ulungelelwaniso lweenkqubo lwezibini</p> <p>Abafundi bacinga ngokuzimeleyo, baxoxa nomhlobo, baze okulandelayo babelane neklasi ukuhlola ukuqonda.</p>
<p>Ingxelo yempendulo yoontonga</p> <p>Abafundi babelana ngomsebenzi abafunda nabo baze banike inkxelo yempendulo eula eyakhayo ukubonisa umsebenzi wabo.</p>	<p>Imisebenzi yomzimba wonke</p> <p>Imisebenzi etyunjelwe ukwenziwa eyonwabisayo, yentsebenziswano ikunika ithuba lokuba uqwalasele izakhono ngelixa kanye yenziwayo.</p>	<p>Imibuzo ngexesha lezifundo</p> <p>Sebenzisa imibuzo engafuni impendulo engu-ewe okanye enguhayi ukukhuthaza abafundi ukuba bachaze ukucinga kwabo nokuqinqa.</p>	

19.2. Uhlolo njengokufunda

Uhlolo njengokufunda lubandakanya abafundi bebonakalisa inkqubela phambili yabo, lubakhuthaza ukuba bathathe uxanduva lokufunda kwabo. Ngenxa yoku, bahlola ngokuzimiseleyo ukuqonda kwabo, okukhuthaza ukufunda ngokunzulu nokuziqonda.

19.3 Ukuhlola ukufunda

Ukuhlola ukufunda kukunika ubungqina bokuphumelela komfundi ngexesha elithile, kukunceda ukuba uqikelele inkqubela phambili iyonke uze wenze izigqibo ezisekelwe kulwazi ngokuqhubela phambili kwabo.

19.4 Izikhokelo zoVavanyo

Izikhokelo zokuvavanya izakhono kunye nobuchule kwiKhowudi noRobhotini zeSigaba seSiseko zinikiwe. Izikhokelo zokuvavanya ubuchule olusenzayo kunye nethiyori kwikota nganye zibandakanyiwe kwii-endlimo.

20. Ikhowudi yokunika amanqaku

IKHOWUDI YOKUNIKA AMANQAKU	INKCAZELO YOBUKRELEKRELE	PERSENTEJI
7	Impumelelo ebalaseleyo	80 – 100
6	Impumelelo efanele ukuzwa	70 – 79
5	Impumelelo yokwenene	60 – 69
4	Impumelelo efanekileyo	50 – 59
3	Impumelelo ephansi	40 – 49
2	Impumelelo ephantsi	30 – 39
1	Impumelelo ephantsi kakhulu	0 – 29

21. IsiCwangciso sokuFundisa esiNdululiweyo:

Isigaba 2

Ikota 1:		
Iveki	Isihloko	Ubukrelekrele
1.	Sifuna amanzi ukuze siphile	C1
		C2
		C3
2.	Amashwamshwam ayimpilo angcono	C1
3.	Amakhusi asigcina sikhuselekile kwaye somile	C3
		C6
4.	Ubuchwepheshe bubalulekile	C2
		D1
		D3
5.	Wonke umntu ukhethekile	C1
		C3
		R1
		R5
6.	Siphila kubomi bobuxhakaxhaka be- mihla	D2
		D3
7.	Khetha eyona ndlela	C2
		C3
8.	Ulandelelwaniso nezobomi e- sala umdla	C2
		C6
9.	Ulandelelwaniso lom- mpilo	C2
10.	Irobhothi e- bhayo katumi	C1
		C2

Ikota 2:

Iveki	Isihloko	Ubukrelekrele
1.	Intlakohlaza ifikile	C2 C3
2.	Yiba ngumhlobo olungileyo	C2 D2
3.	Faka idatha ngokweekhowudi irobhothi	C1 C3 R1 R2 D1 D2
4.	Zithini izizathu	C1 C2 C3 R6
5.	Isilwanyana sam sephepha	R5
6.	Izixhobo zam zobuxhakaxhaka bale mil	C2 C3 D3 D3
7.	Indlela obutshintshe ngayo bu	D1 D3 R1
8.	Ukuhlangulwa kw	C2 C3 R6
9.	Ye	C1 C2 R5
10.	N	C6

Ikota 3:

Iveki	Isihloko	Ubukrelekrele
1.	Ulonwabo efama	C1
		C2
		C3
		R1
		R2
		R6
2.	Izityalo zengqayi ezihle	C4
		C6
		C7
		D3
3.	Lungisa irobhothi	C2
		C3
		R1
4.	Fumana iimilo efama	C1
		C2
		R4
		D5
5.	Bhala imiyalezo eyimfihlo	C4
		D8
6.	Sombulula iikhowudi eziyimfihlo	C6
		C7
		D2
		D4
7.	Iifeni ziphila	R5
		R6
		R7
8.	Fumana uncedo olulungileyo	C2
		C3
		C4
		R1
		R2
		R3
R4		

9.	Fumana indlela	C11
		C2
		C3
		C7
		D5
10.	Bhala ikhowudi	C1
		C2
		C3
		C4
		C6
		C7
		D1
		D2
		D3

Ikota 4:

Iveki	Isihloko	Ubukrelekrele
1.	Ukuba yile, ngoko ke yintoni?	C2
		D3
2.	Iirobhothi eMzantsi Afrika	C2
		C3
		R2
		R3
3.	Konke okumalunga ne...	C1
		R5
4.	Yenza imi... vonwabisayo	C3
		R5
5.	N... mi wobuxhakaxhaka bale mihla	C2
		C3
		R1
		R3
		D2
		D3
		D6
D7		

6.	Ukuxibelelana ngoko nangoku	C7
		R6
		R7
7.	Yintoni ikhowudi?	D7
		D8
		D9
8.	Shenxisa ibhokisi	C2
		C3
		C6
9.	Sombulula uphinyephinye	C1
		C2
		C3
		C5
10.	Ubuchwepheshe obusijikelezileyo	D1
		D2
		D3
		D4
		D6

EXTRACT PAGES

Ikota 1: Sifuna amanzi ukuze siphile

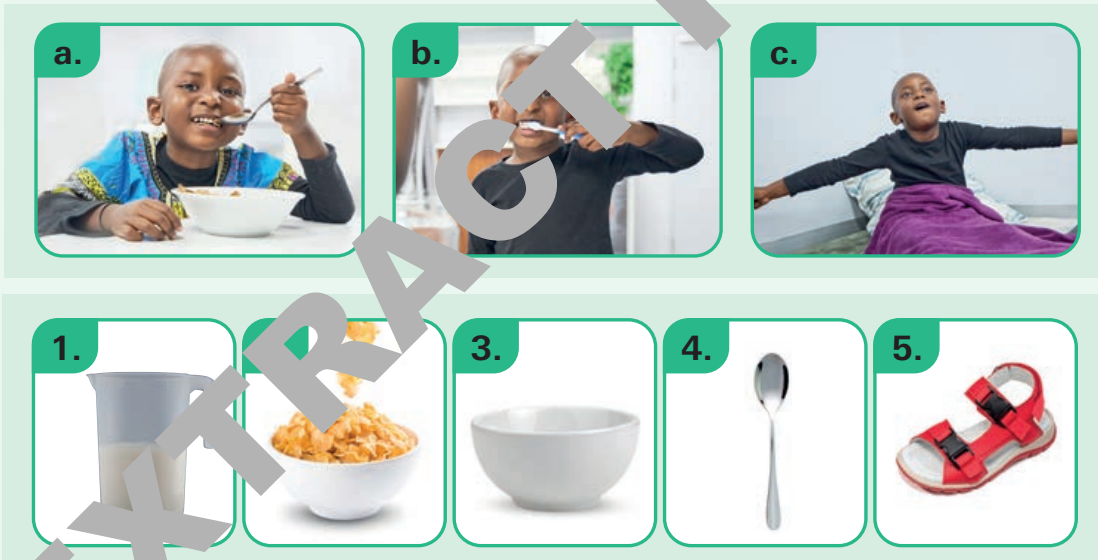
Iinkalo ekujoliswe kuzo		Ukufakwa kwedatha ngokweekhowudi Ufundo ngeerobhothi
Ixesha lokufundisa		<ul style="list-style-type: none"> • Imisebenzi eyenziwayo: 30 imizuzu • Imisebenzi yencwadi neyengcingane: 30 imizuzu
Inqaku kutitshala		<p>Kwesi sifundo, abafundi baza kufunda ngomjikelo wamanzi baze benze ivili lomjikelo wabo wamanzi besebenzisa izaKhono zendlela yokuKhumbula iNgxaki ngokweenxeny eziNcinane.</p> <p>Sicebisa ukuba uqale ngo- "Masiqalise" ukuze abafundi baziqhambise izakhono phambi kokuba wazise "Ingxaki" baze bangabone imisebenzi.</p> <p>Ekupheleni kweveki, songeze itheyibhile emisebenzi ngokuba yokuqhuba imiba yendlela yokukhumbula ngokweenxeny ezincinane onokwabelana ngayo nabafundi ukuze ixesha liyavuma. QAPHELA. Abafundi akunyanzelekanga ukuba abafundiswe isigama sezakhono zendlela yokukhumbula ngokweenxeny ezincinane.</p>
Imithombo ekucetyiswa ngayo		
Masiqalise		Umsebenzi owenziwayo. <ul style="list-style-type: none"> - Amaqhosha - Iiphegi - Iimilo - Iibhloko - Amaphoni eesakha - Izicandebhile
Umsebenzi 1		Ibowe emakanye imifanekiso yomjikelo wamanzi
Umsebenzi 2		Imiboniso ngamnye kufuneka abe noku: <ul style="list-style-type: none"> - Iinkhonkwane esifutshane esinentloko enkulu - Iinkubamba amaphepha - I-2 x A4 izangqa - Isikere - Iikhrayoni zepensile
Umsebenzi 3		- Amakhadi eekhowudi
Izakhono		C1 C2 C3
Izakho		<p>Abafundi baza kufunda:</p> <ul style="list-style-type: none"> • Ukuchonga baze babonise umahluko phakathi kwamanqanaba awahlukeneyo kumjikelo wamanzi. • Sebenzisa ingqikelelo ngokususa imifanekiso engafanelekanga kulandelelaniso.

linkalo ekujoliswe kuzo	Ukufakwa kwedatha ngokweekhowudi Ufundo ngeerobhothi
Ulwazi	Abafundi baza kukwenza oku ngokuthi: <ul style="list-style-type: none"> • Babonise ukuqonda umjikele wamanzi neziphumo zawo. • Ukubeka ulandelelaniso ngokodweliso oluchanekileyo. • Ukuchonga amanqanaba awahlukeneyo kulandelelaniso lomjikele wamanzi.
Ubudlelane	Izakhono zobomi: Umjikele wamanzi IMathematika: Sombulula ingxaki ngokwemeko

Masiqalise

Ungenza umsebenzi owenziwayo nabafundi phambi kokuba wenziwa umsebenzi okwincwadi yabafundi.

Tshatisa izinto.



Umsebenzi wenziwa ngokungcono kakhulu ebaleni lokudlalela okanye kumphezulu oqinileyo.

ImiYaniso yoMsebenzi:

1. **UkuYilwa kweQela:** Yahlula iklasi ibe ngamaqela ama-2 okanye ama-3.
2. **UKwabiwa kweziNto:** Iqela ngalinye liza kufumana isethi yezinto (iibhloko, iziciko zebhotile, amaqhosha, iimilo, amakhuni eesakha, iiphegi) kwindawo yabo yokuqalisa.
3. **Ucwangciso:** Ngaphambi kweqela ngalinye, cwangcisa umqolo ome nkqo wezinto ezizodwa ezifanayo.

4. **ImiYalelo yoGqatso:**

- Umfundi wokuqala kwiqela ngalinye uza kuthatha ibenye kwinto nganye. (Ezi zinto mazilunge kwindawo yokuqalisa).
- Kufuneka babe kugqatso lokutshatisa izinto ezifanayo nayo nganye kuzo.

5. **IiNdlala zokuHluza zokuPhumelela:** Iqela lokuqala elitshatise ngokuchanekileyo zonke izinto zalo lize lihlale phantsi liza kubhengezwa njengeliphumeleleyo.

QAPHELA. Naziphi na izinto ezikhoyo zingasetyenziswa ukuba zincinane ngokwaneleyo ukuba abafundi baziphathe zonke ngexesha elinye.

EXTRACT PAGES

Umsebenzi 1

Ikota 1 LB pg 3

Qalisa isifundo ngokubhekiselela kwipowusta /kwimifanekiso engu-A3 emikhulu yomjikelo wamanzi. Xoxa ngamanqanaba amane nabafundi (qaphela ukuba amanqanaba awahlukeneyo kumjikelo wamanzi amele ukuba sele efikelelwe kwizakhono zoBomi (okade) kwaye qinisekisa ukuba bayaqonda indlela iintolo ezidweliswe ngayo.

Isikhokelo somsebenzi

- Jonga imifanekiso 1 – 6 kwiNcwadi yoMfundi.
- Ngababini bathetha ngemifanekiso baze basingisele kwipowusta malunga nomjikelo wamanzi.
- Bathatha izigqibo ngemifanekiso emibini engafanelekanga.
- Ngoku kufuneka baxoxe baze babeke imifanekiso yomjikelo wamanzi ngodweliso oluchanekileyo (ulandelelaniso) baze bachaze izizathu sabo.

Impendulo:

Ukuba ngumphunga, Ukujiyisa, Ukuwa kwemvula (isichitho, imvula), Ukuqokelela

Ukongama amanzi



1. Kumele sivale umpompi.

Ukunisa



2. Amaqabazi emvula aqokelela emvuleni.

Ukugqoka



3. Izitshalo zikhipha umhwamuko ngamaqabunga uye emoyeni.

Ukweliso



4. Umhwamuko wamanzi.

Ukuqokelela



5. Siqoqa amanzi emvula ukuze sichelele izitshalo.

Ukuguquka



6. Ilanga lifudumeza amanzi bese ahwamuke angene emoyeni.

Imisebenzi eyongezelweyo endululweyo

- Khoma ipowusta yomjikelo wamanzi ebhodini, ukuze abafundi basingisele kuyo, xa kuyimfuneko.
- Umfundi ngamnye unebhegi ezitshwayo kunye nemakha engacimiyo.
- Zoba intaba, ulwandlekazi, ilanga, amafu kunye nemvula – ngodweliso oluchanekileyo njengoko kusenzeka kumjikelo.
- Xa bonke belungise iiplastikhi zabo ezizitshwayo. Umfundi ngamnye ngoku ugalela i-1/4 yamanzi kwiplastikhi aze ayivale phezulu.
- Krwela umgca apho amanzi aphele khona.
- Shiya iplastikhi elangeni uze ujonge umjikelo wamanzi usenzeka phambi kwakho.

Umsebenzi 2

Ikota 1 LB pg 4



Izixhobo ezizezinye

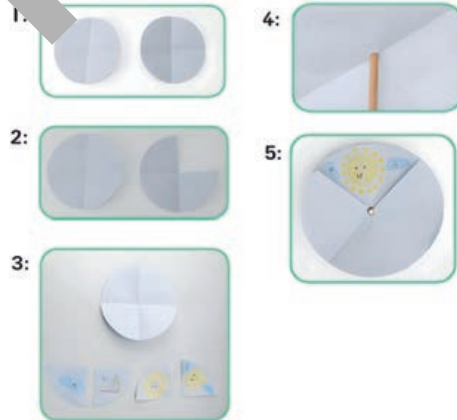
- Iphepha elinombala ogqamileyo
- ipeyinti
- iglu

Isikhokelo somsebenzi

Qalisa isifundo ngokusingisela kwipowusta yomjikelo wamanzi. Xoxa namanqanaba amane nabafundi uze uqinisekise ukuba bayaluqonda udweliso lweentlobo ezintathu.

1. Landela imiyalelo yokwenza ivili lomjikelo wakho wamanzi

- Nika le miyalelo ilandelayo ngokucuthayo nangokucacileyo. Sukungeza ulwazi olungeyomfuneko.
- Umfundi ngamnye ngoku unamaphepha ama-2 e-inkqubo zingu-A4, ahlulwe ngokweekota. Sika izangqa zombini.
- Thatha esinye sezangqa ezahlulwe ngokweekota uze usike i- $\frac{1}{4}$. Sika emigceni.
- Ngoku enesangqa esi-1 esine- $\frac{1}{4}$ esinye esi-4 kunye nesangqa esi-1 esine- $\frac{1}{4}$ esikiweyo.
- Thatha isangqa esine- $\frac{1}{4}$ uphucule. Lo ngumphandle sangqa emibili. Hombisa "Umjikelo wamanzi". Wenze uhlobo emibini ogqamileyo kwayo nganye.
- Thatha isangqa esiseneekota ezi-4. Thatha amaqanaba amane ngodweliso oluchanekileyo usiya ngasekunene. Khumbula ukuleyibhelisha inqanaba ngalinye. Thatha isangqa esisisihloko phezu kwesangqa esinamanqanaba amane. Faka isipeliti sokubamba iinwele.
- Jonga ukuba ingaba umjikelo wakho udweliswe ngokuchanekileyo na xa uwusebenzisa, ukuba akunjalo, susa impazamo uze uqale ekuqaleni.
- Ingaba umjikelo ujika ngokulula?
- Ingaba imifanekiso inemibala egqamileyo?
- Ingaba imifanekiso imi ngendlela echanekileyo?
- Yintoni onokuthi uyiphucule?



Ncedisa: Ncedisa izibini zabafundi ukuba kuyimfuneko. Ngababini, abafundi baxoxa kunye ngelixa beyila umjikelo wamanzi wabo.

Imisebenzi eyongezelweyo endululweyo

- Sebenzisa ipleyiti yephepha, iphepha elisikwe lasisangqa okanye izingxobo zeplastikhi ezibunjwe ngokutsha.
- Nika abafundi intlama yokudlala enemibala ngemibala – umthubi, ubhulowu, umhlophe kunye nawuphi na omnye umbala obonisa iintolo zomjikelo.
- Abafundi banokuyila umjikelo wamanzi njengoko kubonisiwe emfanekisweni.
- Cela abafundi baleyibhelishe amanqanaba amane ngokuwabhala kwiziqwenga shwana zamaphepha

EXTRACT PAGES

Umsebenzi 3

Ikota 1 LB pg 6

Isikhokelo somsebenzi



1. Yila isethi yemiyalelo ukusa uBinkie kumntu okwisitulo sabaphila nokukhubazeka.

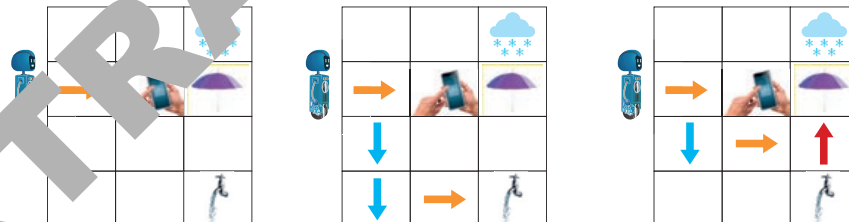
- Qalisa isifundo ngokunika isibini ngasinye isethi yamakhadi okufakwa kwedatha ngokweekhowudi.
- Abafundi ke ngoku bajonga imephu yegridi kwincwadi yabafundi.
- Fundela abafundi izivakalisi.
- Ngababini, bayila isethi yemiyalelo ukunceda uBinkie ukuba aye kumntu okwisitulo sabaphila nokukhubazeka.
- Chazela abafundi ukuba iintolo zingasetyenziswa ngaphandle kuBinkie.
- **Buza:** Ingaba imiyalelo yakho imsile uBinkie kumntu okwisitulo sabaphila nokukhubazeka?

Ncedisa Izibini zabaFundi abasokolayo ukuyila imiyalelo.

Imisebenzi eyongezelweyo endululekileyo

- Yila i-5x5 yegridi emethini okanye ngaphandle kwibhala lokudlalela.
- Beka amanqanaba amane omjikelo amanzi kwibhloko ezahlukeneyo.
- Ngababini, cela abafundi ukuba abawude ngamnye iqabane lakhe kumanqanaba ngelixa kusenzeka.
- Kungenjalo, ungakhawule abafundi abambalwa kumanqanaba awohlukahlukeneyo ngelixa iklasi yonke ibukeka.

Iimpendulo



QAPHELA. Le mizekelo yenzelwe ukuba ibe lula kwaye ingantsonkothi kakhulu kubafundi.

IzaKhono zeNdlela yokuKhumbula iNgxaki ngokweeNxenye eziNcinane	
Ingqikelelo	Xa umzali wakho ekucela ukuba utshayele ekhitshini, awuzu' kwenza yonke into ngexesha elinye. Uza kuqala ufumane umtshayelo, uqalise ukutshayela, ufumane inkcenkce, ubuthele inkunkuma kwinkcenkce uze ke ngoku ugalele inkunkuma emgqomeni. Wenze umtshayelo otyunjelwe ukwenziwa ngenyathelo elinye ngexesha.
Ukwahlula ngokwamacandelo	Kusekupheleni kosuku, kwaye silungiselela ukuhamba. Siza ntoni kuqala? Sicoca iidesika zethu ngokubeka izixhobo zethu zokubhala kwiingxowana zethu zeepensile. Sifaka iingxowana zethu zeepensile kwiibhegi zethu zesikolo. Emva koko sijong'incwadi zethu size sijonge esiza kufuna ukugoduka nako ukulungiselela umsebenzi wesikolo wasekhaya. Sipakisha ezo ncwadi kwiibhegi zethu. Zonke izinye iincwadi sizifaka phantsi kweedesika zethu. Silahlanayela na inkunkuma ephezu kweedesika emgqomeni wokuquma.
Ukuqonda ipateni	Cela abafundi ukuba bajonge iigumbi lokufundela baze bafumane naziphi na iipateni. Bafuze ukuba kutheni besithi yipateni okanye yintoni eyenza ukuba ibe yipateni.
Ialgoritim	Xa sisenza iqebengwane eliqatywe ibhotolo yamandongomane, silandela ialgoritim. Siqabe siqokelele konke esikufunayo, umzekelo isonka, imajarini, ibhotolo yamandongomane kunye nemesi. Sibeka isonka epasitini, imathe imesi nemajarini size siyiqabe esonkeni. emva kokuba ithathwe imesi size siqabe ibhotolo yamandongomane esonkeni. Emva kokuba idibanisa izilayi ezibini zesonka size sizisike.

Ikota 1: Amashwamshwam asempilweni angcono

Iinkalo ekujoliswe kuzo		Ukufakwa kwedatha ngokweehowudi	
Ixesha lokufundisa		<ul style="list-style-type: none"> • Imisebenzi eyenziwayo: 30 imizuzu • Imisebenzi yencwadi neyengcinga: 30 imizuzu 	
Inqaku kutitshala		<p>Kwesi sifundo, abafundi baza kufunda ukujolisa kokubalulekileyo nendlela yokucazulula into ibe ziinxenye ezahlukeneyo ngokujonga amacandelo ekhaphukeyiki.</p> <p>Sicebisa ukuba uqalise ngokwazisa “Ingxaki” kubafundi ukuba baya koko baziqhelanise nezakhono kwicandelo “Masiqalise”.</p>	
Imithombo ekucetyiswa ngayo			
Masiqalise		- Incwadi yabafundi	
Umsebenzi 1		<ul style="list-style-type: none"> - Imifanekiso yeekhaphukeyiki enokubekwe ne nqanaba kwazo okwahlukeneyo. - Imiyalelo yekhaphukeyiki ethile 	
Umsebenzi 2		<ul style="list-style-type: none"> - Iikhrayoni zepensile - Imifanekiso yeekhaphukeyiki - Iphepha elingu-A5 okanye iphepha elingawo zokubhalela 	
Izakhono		C1	
Izakhono		<p>Abafundi baza kufunda:</p> <ul style="list-style-type: none"> • Sebenzisa i-inkqubo ngokutsho okufuneka kube kwikhaphukeyiki okufuneka kungahoywa. • Sebenzisa ukwahlula ngokwamacandelo ngokutsho iinxenye ezahlukeneyo zokwenza ikhaphukeyiki. 	
Ulwazi		<p>Abafundi baza kukwenza oku ngokuthi:</p> <ul style="list-style-type: none"> • Bafundi ukwahlula ikhaphukeyiki echanekileyo ngokweenkcukacha zikhankanyiweyo. • Bakwazi ukuchaza indlela abaqiqqa ngayo ngendlela abasombulule ngayo ingxaki. • Bakwazi ukwahlula ikhaphukeyiki ngokwamacandelo ngokusixelela iinxenye ezahlukeneyo zekhaphukeyiki. 	
Ubudlelane		IzaKhono zoBomi: Ukuphila ngokusempilweni	



Ubusazi?

Ingqikelelo kunye **nokwahlulahlula ngokomacama** abo yinxenye yezakhono zendlela yokukhumbula ingxaki ngokweenxenyane ezincinane. Kuthetha ukuba ujolisa kulwazi olubalulekileyo uze ungaluhoyi ulwazi ongalufuniyo ukusombulula ingxaki. Kufuneka uvumele abafundi ukuba bafunde imiyalelo baze bathathe isigqibo zendlela abaza kusombulula ngayo ingxaki. Kufuneka banike ingxelo yependulo ngokuba bhasombulule ngayo ingxaki.

Chazela abafundi ukuba kufuneka bafunde ingxaki okanye umyalelo size siqonde esikufundayo. Kufuneka sijolise kulwazi olubalulekileyo.

Ingxaki

UZaza ucinga nge-ikhaphukeyiki kwaye uyazithanda iikhaphukeyiki. Utya iikhaphukeyiki ezithile aze athi ufuna **ikhaphukeyiki yetshokholethi enetsheri, okufafazwayo kunye neayisingi yetshokholethi**. Ungamnceda uZaza afumane iikhaphukeyiki ayithandayo?

Masiqalise

Ingqikelelo

1. **Bonisa** abafundi umfanekiso wetafile enezinto ezahlukahlukeneyo, ezinje ngekeyiki nezinto ezimnandi.
2. **Buza** abafundi ukuba kokuphi ukutya abanokukufumana ngokuqhelekileyo kwitafile yomkeko **Iimpendulo ezinokunikwa:** Ikeyiki yomhla wokuzalwa, amashwamshwam, izintlobo ezimnandi, iitshipsi, iijusi, iipeyiti, iikomityi, imidlalo edlalwa kwitheko njalonjalo.
3. **Cela** abafundi bafumane ukutya okubini ekufuneka ungakuhozi xa ulungilela imisebenzi yomhla wokuzalwa.
Iimpendulo ezinokunikwa: Isaladi nesiriyeli.



Eminye imizekelo yengqikelelo: Ufunda igama uDali kwiqweqwe lencwadi (okanye uzama ukufumana igama kwibhali) okhangelanga amagama), ngoko ke uza kujolisa kuphela kokubalulekileyo uze ungabuyi emnye ulwazi.

Ukwahlula ngokwamaqela

1. **Bonisa** abafundi umfanekiso wedowunathi.
2. **Buza** abafundi ukuba zeziphi na iinxenye zedowunathi.
Iimpendulo ezinokunikwa: Idowunathi, iayingi nokufafazwayo



Eminy e imizekelo yokwahlula ngokwamacandelo: KwiMathematika, abafundi kufuneka bahlulahlule ulwalamano lwamanani ngokucazulula inani elikhulu libe ziinxenye ezimbini.

Ukuqonda ipateni

1. **Buza** abafundi ukuba bangayichaza na ukuba yintoni ipateni.
Iimpendulo ezinokunikwa: Kufuneka bachaze ukuba yinxenye ephindaphindayo. Loo nxenye ibizwa ngokuba lulandelelaniso.
2. **Bonisa** abafundi umfanekiso wepateni yeekhaphukeyiki.
3. **Cela** abafundi bachaze ipateni abayibonayo.



Umsebenzi 1

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Isikhokelo somsebenzi

1. Nceda uZaza afumane ikhaphukeyiki ayithandayo

- **Nika** ingxaki abafundi uze ubaxelele ukuba kufuneka bancede uZaza afumane ikhaphukeyiki yakhe ayithandayo.
- **Bonisa** abafundi imifanekiso yeekhaphukeyiki.
- Ngababini bacele abafundi ukuba bathethe ngemifanekiso baze baxelele ukuba yeyiphi eza kutyiwa nguZaza.
- **Buza** abafundi:
 - Zeziphi iinxenye ezahlukeneyo ezenza ikhaphukeyiki kufuneka ayithandayo?
 - Kutheni ukhethe loo khaphukeyiki?
 - Uyisombulule njani ingxaki?
 - Uqale phi?
 - Yintoni oyijongileyo kuqala?
 - Yintoni oyijongileyo okulandelayo?

Impendulo: Ikhaphukeyiki yetsheni molethi efaziweyo kunye netsheri ngaphezulu.

2. Khetha ikhaphukeyiki yakhe ayithandayo

- **Cela** abafundi ukuba khetha ikhaphukeyiki yabo abayithandayo. Kufuneka achazele iqabane lakhe ngokuba ezintathu ezenza ikhaphukeyiki yakhe.

Ikota 1: Amakhusi asigcina sikhuselekile kwaye somile

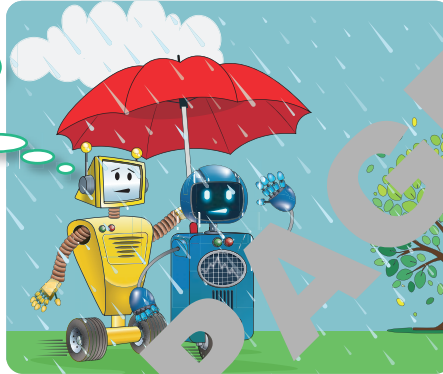
Inkalo ekujoliswe kuyo	Ukufakwa kwedatha ngokweehowudi
Ixesha lokufundisa	<ul style="list-style-type: none"> • Imisebenzi eyenziwayo: 30 imizuzu • Imisebenzi yencwadi neyengcinga: 30 imizuzu
Inqaku kutitshala	<p>Ukwazi kwabafundi igama i - algoritim ayingomba ubaluleke kakhulu kwisifundo. Kukubonisa ukuqondwa kwengqikelelo okona kubalulekileyo.</p> <p>Imisebenzi eyongezelelweyo zizindululo kwaye kufuneka kubandakanyise kuphela ukuba abafundi bayiqonde ngokukhawuleza ingqikelelo okanye ukuba uva ngathi bafuna uqheliso olungaphelelanga.</p>
Imithombo ekucetyiswa ngayo	
Masiqalise	- Izihlangu neekawusi zabafundi
Umsebenzi 1	<ul style="list-style-type: none"> - INcwadi yabaFundi - Iphepha legridi elingu-5x5 - Incwadi yemisebenzi
Umsebenzi 2	<ul style="list-style-type: none"> - Iipateni ezikwincwadi yabafundi - Imifanekiso yeepateni ezikwincwadi - Imibala/iikhrayoni - Iphepha legridi elingu- 5x5 - Amakhadi apateni
Izakhono	C3 C6
Izakhono	<p>Abafundi baza kufunda:</p> <ul style="list-style-type: none"> • Ukuchonga ikhowudi enikiweyo • Ukuchonga ulandelelaniso • Ukuchonga ulandelelaniso olungenzi pateni
Ulwazi	<p>Abafundi baza kukwenza oku ngokuthi:</p> <ul style="list-style-type: none"> • Baqhube iikhowudi ezinikiweyo nokufikelela kwipateni nganye • Bachonge ulandelelaniso. • Bachonge ulandelelaniso olungenzi pateni.
Ubudlelwane	<p>Izakhono zobomi: Esikufunayo ukuze siphile</p> <p>IMathematika: Iipateni</p>

Ubusazi?

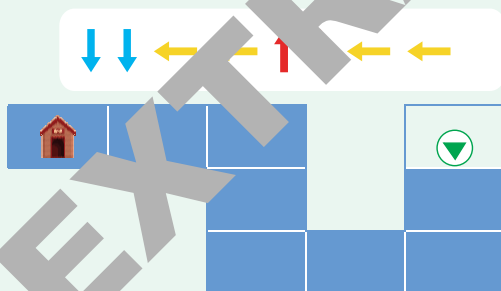
Abafundi kufuneka bakwazi ukuchonga iipateni baze bazichaze. Olunye ulandelelaniso lunokungayenzi ipateni. Abafundi kufuneka bachaze ukuba kutheni ingeyiyo ipateni. Ipateni zinokuquka iinxalenye ezi-3 okanye ngaphezulu.

Ingxaki:

Imozulu iya isibambi nangakumbi kufuneka sigoduke!

**Masiqalise**

Ungamnceda uTex emvula



Iimpendulo:

Phantsi, phantsi, ekhohlo, ekhohlo, phezulu, phezulu, ekhohlo, ekhohlo

Qalisa isifundo ngokunika ingxaki abafundi. Ungenza le misebenzi ilandelayo nabo eklasini, okanye kwindawo evulekileyo ngaphandle ukunceda abafundi baqonde ukuba yintoni ipateni kunye nendlela yokuchonga ipateni.

Umsebenzi 1

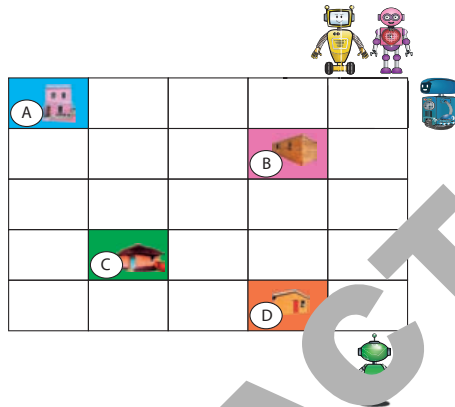


Ikota 1 LB pg 13

Isikhokelo somsebenzi

1. Irobhothi nganye ihlala phi?

- Qalisa isifundo ngokukhumbuza abafundi ukuba uZuzu ebecinga ngama-roboti awahlukeneyo abahlala kuwo abantu.
- Cela abafundi ukuba bajonge imifanekiso kwincwadi yabafundi uziqubaxela ukuba ukuba ngoku baza kunceda iirobhothi ukuba zifumane amakhaya aza.
- Abafundi bajonga imephu yegridi baze bafumanise ukuba ngabani orobhothi phi.
- Landela iindlela ezikwimephu yegridi.



- Iimpendulo:
- UTumi – B
- UZaza na Zuzu
- UBinkie – C
- UDudu – D

Cela ubafundi bazobe iirobhothi namakhaya azo kwiincwadi zabo zomsebenzi.

Nom abafundi abahlukeneyo ithuba lokunika ingxelo yempendulo ngeekhowudi ezikwimephu zenzisileyo

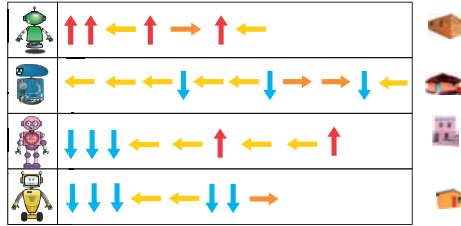




Imisebenzi eyongezelweyo endululiweyo

Nika abafundi imifanekiso yeeresiphi ezintathu ezahlukeneyo. Umsebenzi otyunjelwe ukwenziwa wabo kukulungelelanisa amanyathelo eresiphi nganye ngokolandelelaniso oluchanekileyo ukusuka ekuqaleni ukuya ekugqibeleni.

Iimpendulo



EXTRACT PAGES

Umsebenzi 1



Ikota 1 LB pg 13

Izixhobo ezizezinye

- Kuyilwa iipateni kusetyenziswa izinto ezahlukeneyo ezinje ngezi: izinto zamakhuni, zefowumu, zeplastikhi, njalunjalo.

Isikhokelo somsebenzi

1. Yeyiphi engeyopateni?

- Cela abafundi bajonge ipateni yomnye nomnye baze bathathe isigqibo ukuba ingaba yipateni na okanye akunjalo.
- Abafundi bajonga iipateni kwincwadi yabafundi aze axoleneqanene lakhe ngokuba zeziphi eziziipateni, kwaye zeziphi ezingezizo.
- Babuze ukuba yeyiphi engeyopateni?
- Wazi njani ukuba ayiyopateni?

Ncedisa: Ncedisa izibini zabafundi ukuba kuyimfuno.

Iimpendulo:

- a.
- b.
- c.
- d.
- e.

Imisebenzi eziqhekeziweyo endululweyo

- Nika ubomi kumisebenzi wakusasa wemihla ngemihla, umzekelo ukuxukuxa kwaye kumekela ngacwalise amanyathelo ashiyiweyo.