



**CENTRE FOR EDUCATION INNOVATION RESEARCH AND
DEVELOPMENT (CEIRD)**

CHISYOMEZYU CHAMABELEKELO

MAJWI MATAANZI AASYABUSONGO WASAYENSI

Ndibotelwa kampaŋa kwaaba Chisyomezyu Chamabelekelo eechi alimwi kachitondezya kulipeda kwesu kwini kwini kusikila mweelo waajulu walugwasyo kuli aabo boonse mbitubeleka aamwi antoomwe abaabo mbitugwasya. Chisyomezyu eechi chibandika bulangilzi aatala alugwasyo lweelede kubawo naa mwayanda kugwasigwa aandiswe alimwi azezyo zikoloondo kulindiswe.

Mumalembe aaya, mulajana makani alalugwasyo lupati aatala akuti:

- Ndiswe bani
- Nzimweelede kulangilila kubulidilano bwesu azilangililo zyesu kulindinywe
- Mweelo walugwasyo lwesu
- Nzila zyakwaambuzyania
- Lugwasyo ndumunga mulatupa kuchitila kuti tumugwasye kabotu

Tulizi loko kuti naa katuyanda kuzuzikizya mpalamo zyesu, kuyanda kuti kube aabulidilano bubotu abaabo mbitubeleka aabo alimwi abaabo mbitugwasya munzila zitwasamika mabelekelo antoomwe abweendelesi. Kubambwa kwaChisyomezyu Chamabelekelo kusumpula kulipeda kwesu kupa lugwasyo lwameelo waajulu kuyeeme kunzila mbotu zyakweendelesi amilawu iililuzi amalayilile. Mpalamo yesu ntwiinkilila nembo kusumpula lugwasyo ndutupa kuchitila kusimatizya kuzuzikizya ezyo zilombozegwa aabaabo mbitugwasya alimwi akusimatizya kuyaka bulidilano buyeeme mukusyomana akulemekekana.

Mizeezo yanu aatala amabelekelo eesu kakulangidwe mweelo uuyandikana uubandikidwe muChisyomezyu Chamabelekelo mikoloondo. Ndilamusungwaazya loko kuti mutupe maboneno aanu alimwi anzimuswaana kuchitila kuti tuye nembo kusumpula lugwasyo lwesu alimwi akuzuzikizya ezyo nzimulombozya. Mulasungwaazigwa kubelesya nzila zyakwaaba milumbe zipedwe muni aaChisyomezyu Chamabelekelo eechi.

Dr. E. Matandirotya

SIKUJATA CHUUNO CHAMUPATI WASAYENSI.

1. MANJILILO

I-Centre for Education Innovation Research and Development (CEIRD) mbusena busumpula bufunuusi akuyakwa kwama-indasitili bwakabambwa munsu aMulawu waLwiyo lwaMfukunuro yaBufunuusi aLusumpuko [25;34] wamwaaka wa2021 muZimbabwe (*Education Innovation Research and Development Centre Act [25:34]*). CEIRD mbudani bwabulidilano bwamabazu aabanamunji amabazu alyiimvwilidi, kiisumpula bufunuusi buyeeme kulizyalukono alimwi kiitonta masandu aabuvubi abukkale. Mpalamo zyaCEIRD zibambidwe kuti zyeete michelo iijatika kumabazu makoloondo aabuvubi abukkale muZimbabwe. Mukwiinda mumfukunuro, bufunuusi alusumpuko lwatekkinoloji, Busena buli amakanze aakwanza milimu iyeme kutekkinoloji kuli aabo bakachita zyiyo, kusumpula bulidilano kuli basyabusongo bazyalwiyo, ma-indasitili, aluundu mulizya-injiniyaling'i, tekkinoloji abufunuusi alimwi akubamba chiimo chisungwaazya bufunuusi.

2. MUBONO

Kufwanzaania lusumpuko lwachisi lwama-indasitili mukwiinda musayensi alusumpuko lwatekkinoloji kuyosika mu2030.

3. MPALAMO

Kujania chiimo chisumpula bufunuusi akuyakwa kwama-indasitili mukwiinda mumfukunuro yeendelezwa kabotu alimwi ipaleme lubazu lutwaseme.

4. MUKULI

CEIRD mbusena bwachisi bufwanzaania bufunuusi akuyakwa kwama-indasitili muZimbabwe. Bubeleka munzila zitobela:

- i. Kugwasya lusumpuko azitondeezyo zyalubono, nzila alugwasyo luyeeme kutekkinoloji
- ii. Kwanza milimu iyeeme kutekkinoloji kumabazu aabuvubi oonse, kulibakamana zyiyo alimwi akuzikolo zyalwiyo lwaajulu akwiya milimu muZimbabwe
- iii. Kupa lugwasyo lwainjiniyaling'i atekkinoloji kumabazu aama-indasitili akumagunzi akupanga mali

- iv. Kusumpula akusungwaazya zikolo zyalwiiyo lwaajulu akwiiya milimu, ma-indasitili abulidilano bwamagunzi kulubazu lwa-injiniyaling'i, tekkinoloji abufunuusi.
- v. Kusumpula chiimo chigwasya bufunuusi amabbindawuko akunyampula buvubi bwaZimbabwe buyeeme kubufunuusi bwama-indasitili bwamanyika manji.
- vi. Kusumpula butebuzi mukwinda mubufunuusi bwaSayensi, Tekkinoloji, Injiniyaling'i aMpalu kumabazu woonse aaZimbabwe alazyakuchita akupanga lubono abukkale
- vii. Kubamba tupanzi twaBusena tusaalilide muZilikiti zyoonse zyaZimbabwe tulangene aamapulogilamu aasumpula mabazu makoloondo kulizyabuvubi abukkale aswaanizya, nikuba kuti katayiiki kuBulondosi azituzyungulukide, kukwabilika, kweenda azyeenzyo, lugwasyo lwakupanga lubono, milumbe, tekkinoloji yangwambuuzyo, manguzu abuvubi bwazilengwangwaleza, busongo bwaluzibo lwazyamumulengalenga, alonoticali aSayensi yaMulengalenga, tekkinoloji yakulya, elekkitilonikisi anzila zyakweenzya mililo yamagesi, zituzyungulukide, tekkinoloji yamaanzi akweendelezegwa kwatombe, kulima kulondokede aalubazu lwazyiyo zyanseke kulizyamazyalane.
- viii. Kweendelezya akubamba bulidilano buyeeme kubulidilano kumaYunivesiti, maKkoleji aaBayiisi, maKkoleji aaYiisya Milimu Yamaboko, maKkoleji aYiisya Milimu Yamuma-indasitili, Masena aYiisya Zyiiyo Zyamilimu Yamaboko, Zikolo Zichita Mfukununo aBufunuusi mukusongola mapenzi aamazuba aasunu alimwi akuyakwa kwama-indasitili muZimbabwe
- ix. Kusumpula chiimo chabuvubi bwaZimbabwe mukwiinda mukupanga lubono akusumpula basikupanga lubono lwabusongo bwaajulu.

5. ZINTU ZIKOLOONDO

Zitobela nzizyo zizulwida kweendelezegwa kwaCEIRD:

Bbelekelaamwi [Kuswaanizya zibelesyo kuchitila kuti mpalamo zizuzikizigwe]

- Mbitugwasya mbabo bakoloondo kubulidilano bwabufunuusi akusumpula nzila zyamachitilo.
- CEIRD ilambuuzyanina ambiigwasya chiindi choonse, kiibweza mizeezo yabo, nzibayanda, zibelesyo kuchitila kuti kuzuzikizigwe mpalamo zyakweeta lugwasyo aafwiifwi.

- Tusumpula moyo amuzeezo wabbelekelamwi kumapulojekiti alimwi abutebuzi kuchitila kusumpula milimu amanjezezya eesu ikapati eeyo iibonwa kilimikoloondo kuli aabo mbitugwasya alimwi iimvwika.

Mpalamo [Maboneno aaliluzi andangililo]

- Babelesi besu batambula mbitupa lugwasyo munzila itakwe lusaluulo alimwi yamabelekelo mabotu.
- Babelesi besu baswiilila ziyanda mbitupa lugwasyo kabatakwe kulanga aalimwi linso.
- Mbitupa lugwasyo bajana lugwasyo lwamapanamizeezo azisongozyo zyabuumi zyabwini kuzwa kulindiswe alimwi eezi zinoyeeme kusongola mapindangobe ngibaswaanana aawo.

Kutobelezeka [Lugwasyo lwalyoonse alimwi lusyomeka]

- Tulipa mukuli wakutwasama kuli mbitupa lugwasyo mukwiinda mukuzuzikizya zisyomezyo zyesu alimwi akusumpula busalai mumabelekelo eesu chiindi choonse.
- Mbitugwasya banolangilila lugwasyo lusyomekede alimwi akwaambuuzyanika kwazyiindi zyeelede mubulidilano bwesu.
- Tulatambula mizeezo yakutondeezegwa alimwi tulipa mulandu kuzintu zyoonse nzituchita

Bupunuusi [Nzila mpya zyakuyeeya, kwiiya akuchita]

- Tusungwaazy a mbitupa lugwasyo kuti babe bapunuusi antoomwe andiswe.
- Tupa manguzu kuli mbitugwasya kuti bayeeye kwiinda zizibilikide nkokuti bazwe aazisongozyo zipya zyamapenzi aabuumi.

Bubotu [Kulipeda kukuchita zibotu]

- Tusyomezya kupa mweelo waajulu walugwasyo kubantu mbitugwasya.
- Tubika manguzu azibelezyo eesu woonse aluzibo kuchita kuti tuzuzikizye masandu aachitika mumawumi aambitupa lugwasyo.

6. BWIIME BWACEIRD

CEIRD ilamapulogilamu mapati obile aaWofesi Mpati ili aamabazu aatobela:

Pulogilamu 1: Buzuluzi aBweendelezi

Mpalamo: Kusumpula mabelekelo mabotu aabusena, busalali, akutobelezeka kunzila zyaabweendelezi. **Mabazu**

a) Bulembyi

- Babelesi: Kupa akweendelezya kusumpulwa kwababelesi bayandikana kuCEIRD
- Tekkinoloji yaMilumbe: Kupa lugwasyo lwaTekkinoloji yaNgwambuuzyo (ICT) kulubazu lwaCEIRD.

b) Lugwasyo Lwabweendelezi bwaMali: Kupa lugwasyo abweendelezi bwaMali kuCEIRD

c) Lubazu Lwakuuzizyania: Kuula lubono alugwasyo luyandikana kuCEIRD kufwambaana mukwiinda muMulawu azyiindi zitalidwe.

d) Kusambala: Kusumpula mapulogilamu, mapulojekiti alugwasyo lwaCEIRD kuchitila kuti kabunga naakuti busena bulibonie, kweendelezya mpa alimwi akwaambuuzyania ambibabbeleka aabo, mpawo akubungania zibelesyo zisumpula manjezezya.

e) Kulingula aKusebuula: Kutobelela akulangisisya mabelekelo aamapulogilamu amapulojekiti kuchitila kusimatizya kulanza akweendelezya mpalamo zyaCEIRD;

Pulogilamu 2: Bufunuusi, kuchita kuyeeme kutekkinoloji alusumpuko lwama-indasitili

Mpalamo: Kuyaka bulidilano busumpula mfukununo yabbelekelamwi akuyakwa kwama-indasitili.

Mabazu:

i. Mabazu lwaSayensi alimuzipanzi zitobela

- a. Bbayotekkinoloji aJenomikisi
- b. Nyukkiliya Sayensi aTekkinoloji
- c. Matiliyali Sayensi aaTekkinoloji
- d. Zisyigwa aTekkinoloji yaMumigodi
- e. Kukwabililika

- f. Myootakala aZyeenzyo
- g. Jiyosipachali, Alonotikkali aSayensi yaMulengalenga
- h. Tekkinoloji yaNgwambuuzyo, Elekitulonikisi aaNzila zya-Elekitulomekkanikkali.
- i. Kulima aTekkinoloji yaKulya
- j. Zituzyungulukide aSayensi yaMasandu aaBwiime Bwakunze

ii. Lubazu Lwakuyakwa kwama-Indasitili

- a. Lubazu Lwakusupula kwa-Indasitili: Kweendelezya kuyakwa , kupa lugwasyo abweendelezi bwama-indasitili alimwi alimwi akusumpula kukomena kwama-indasitili.
- b. Lubazu Lwakusumpula Mabbindawuko: Kuyanduula myeenya yakubyala mabbindawuko, bulidilano alimwi akubungania lubono lwamali alutali lwamali.
- c. Kweendelezya Mapulojekiti: Kubamba, kweendelezya akubona bufunuusi amapulojekiti aamapulojekiti kuchitila kusimatizya kuzuzikizigwa kwazilombozo, buyalwe bwamabelesezyo aamali muzyiindi zitalidwe zizumininwe.

CEIRD yeendelezya masena aapaleme lusumpuko lwamapulogilamu aachisi kuchitila kusumpula mabazu aasumpula buvubi abukkale. Ntamo ntaanzi yantalisyo yaCEIRD ilazipanzi zilikkumi (10). Zitobela ma-insitichuti amilimu yawo:

a) Chipanzi chaBbayotekkinoloji aJenomikkisi

Chipanzi chaBbayotekkinoloji aJenomikkisi chilangana aakukusumpula lwamfukununo aabufunuusi bwaBbayotekkinoloji aaBbayosayensi. Mpalamo zya-Insitichuti zinoyeeme kubbelekelaamwi lyalwiiyo, masena aabufunuusi, masena aakusambalaama-indasitili aasumpula mawumi atekkinoloji. Mabazu alangilidwe niBbayotekkinoloji yaKulima, Bbayotekkinoloji yaBusilisi, Bbayotekkinoloji yaZivuubwa, Kupangwa kwaminsamu yakusilika, Zibelezyo zyaabantu balimaaaInjiniyaling'i Lunyungu.

b) Chipanzi chaNyukkiliya Sayensi aTekkinoloji

Chipanzi chaNyukkiliya Sayensi aTekkinoloji ilamakanze aakuyobola luzibo lwakubelesya nyukkiliya sayensi atekkinoloji munzila yalumuno alimwi iikwabilikide kuchitila kusumpula mabazu aamililo abulondosi. Mubono wachipanzi uzozwidilizigwa musule aakusamikwa kwalubazu oolu akubelekela aamwi azipanzi zizyakamene kale aaNyukkiliya Sayensi aTekkinoloji. Mpalamo mpati zya-insitichuti eeyi niTekkinoloji yaNyukkiliya Pawa, Luzibo lwazipekumabala lwamweelo waajulu luyeeme kunyukkiliya alekkita fizikisi, Kukwabilika kwaNyukkiliya, Kukwabilika kwaLadiyechini alimwi aKutobelela Mayuwe ayeendeenda muli Zituzyungulukide.

c) Chipanzi chaMigodi aTekkinoloji yaLubono Lwamigodi

Chipanzi chaMigodi aTekkinoloji yaLubono Lwamigodi chinolangide kweendelezya nzila zitwaseme alimwi zikwabilikide zyakusya buvubi bwamumigodi anzila zyakububambulula kuti bube amuulo waajulu. Chipanzi chinobelekela aamwi amasena aachita mfukununo yabuvubi bwamumigodi alimwi ama-indasitili ayeeme kubuvubi bwamigodi kumpalamo yayo yakusumpula akubamba tekkinoloji yakunenekela buvubi bwamumigodi akusumpula myuulo yabuvubi bwamumigodi. Chipanzi chilalanga kambatila nzila zyamweelo waajulu zyakuyanduula buvubi bwamumigodi abweendelezyi bwabuvubi obu, tekkinoloji yamweelo waajulu yakubambulula akubandika bulingolingo buyeeme kumilumbe yabuvubi bwamunyika, tekkinoloji yakubambala akubu, bulula buvubi bukoloondo bwamabawe alubulo lujanika munyika (mumigodi).

d) Chipanzi chaKukwabilika

Chipanzi chilanga kukwabilika kuyeeme kutekkinoloji yabufunuusi isimatizya kukwabilika. Chipanzi chinosumpula nzila zyakweendelezya ntenda kakulangwa mabazu woonse, nkokwaamba kuti, kuzwa kukukwabilika kuya kukusongola kwakufwambaana. Nzila zitanoli zyakambwa zinogwasya mintambiliko yaandene yantenda mbuuli zitondeezyo zitaanzi, kukwabilika alimwi akukwabilika kulanza aawo kulintenda. Mfukununo yakunjila mumagunzi inoswaanizya Chibelesyo chaTekkinoloji Chakufumfuuzya, Kukwabilika kwamuGubi Bweendelezi bwantenda, Tekkinoloji yakwaanza mifanikisyo alimwi azyamayake zyeeta kukwabilika..

e) Chipanzi chaZyeenzyo aTekkinoloji yaNzila Zyakweenda

Chipanzi chaZyeenzyo aTekkinoloji yaNzila Zyakweenda chinolangide kambatila aatala akusumpula kusiomeka kwanzila zyaandene zyakweenzya. Mpalamo ili aatala atekkinoliji yakweenzya alimwi anzila zyaandene zyakweenzya. Kunolangwa loko tekkinoloji ziswaanizya Otomotivu Tekkinoloji, Tekkinoloji yaKweenzya Zitima, Kweenda Kwamumuuya, Kwaambuuzyania kwamyootakala, tekkinoloji yamaDuloni alimwi abulidilano bwazyeenzyo zyamumigwa azyeenzyo zyazitima.

f) Chipanzi chaMatiliyali Sayensi aTekkinoloji

Chipanzi chinolangene aatala amfukununo alimwi akusumpula zibelesyo zililuzi zyakwaanza akubambulula lubono kuti lusike kumweelo ulombozeka. Lubo, chipanzi eechi chinolangide mabazu aaswanizya Matiliyali Tekkinoloji, Pulanti Injiniyaling'i antoomwe aNano-matiliyali. Insitichuti inogwasya mabazu aandene aawo kuyandikana zibelesyo zyakupanga lubono zipya alimwi zililuzi.

g) Chipanzi chaJiyosipachali, Elinatikkali aSipesi Sayensi

Chipanzi chinolanga kusumpula Jiyosipachali Sayensi aKudunamina Bube bwaNyika, Sayensi yaMumulengalenga, Injiniyaling'i yaMumulengalenga a-Injiniyaling'i yaNyenyezi. Ma-Indasitili aakonzya kuyakwa ngaKupanga maSetilayiti, Tekkinoloji yaNgwambuuzyo ZyamaSetilayiti, Tekkinoloji yamaDuloni aTekkinoloji yaGIS.

h) Chipanzi chaICT, Elekitulonikisi, aNzila zya-Elekitulo-Mekkanikkali

Chipanzi chinolange aakusongola mapenzi aamilumbe atekkinoloji yangwambuuzyo (ICT) alimwi aa-elekitulonikisi anzila nzila zyakweenzya mililo yamagesi. Mfukununo abufunuusi zinolangide kambatila aalusumpuko lwamasofutiwee azibelesyo zyakusebuula milumbe zibambilidwe eelyo bbazu luzutu kuma-indasitili manji akuswaanizya elekitulonikisi anzila zyakweenzya mililo yamagesi kuchitila kuubya mabelekelo kuma-indasitili aandene. Chipanzi chilagwasya nzila zyama-indasitili mukwiinda mukupa lugwasyo lweelede lwa-elekitulonikisi luyandikana kuma-indasitili.

i) Chipanzi chaKulima aTekkinoliji yaKulya

Chipanzi chaKulima aTekkinoloji yaKulya ilangide loko aatala alusum[puko atekkinoloji yalugwasyo lusumpula kubawo kwakulya alimwi akuyungizya muulo abubotuy bwakulya. Lubazu niTekkinoloji yaKulima Kusumpukide, Busu aNzila zyakweendelezya

Kugayigwa kwamasu akuyungizya myuulu abubotu.

j) Chipanzi chaZituzyungulukide aSayensi Yabwiime Bwakunze

Insitichuti eeyi ichita mfukununo ziyeeme kulizituzyungulukide abwiime bwakunze, Maanzi aKweendlezegwa kwatombe, Masndu azyabwiime bwakunze aKwiiinzaana kwabo, Lukakatilo aKuzibila Kumasandu Bwiime bwakunze, Kudunamina Mweelo waMuuya atekkinoloji iibambala kuchesegwa kwakubawo kwakkabboni.

7. KULIPEDA KWAKUPA LUGWASYO AMWEELO ALIMWI AZILANGILILWA KUCEIRD

i. Mikuli yaCEIRD aZyeelelo Zyabagwasigwa

- a) Kutyaba luwayile nilwalila tutatu alimwi akugwasya bayanda lugwasyo.
- b) Kupa nsandulo kulugwasyo luyandikana lwawaalwa aagubi mukati kamahola makkumi obile aane (24).
- c) Kuzibya aatala angwalo zyatambulwa (ngwalomulilo/zyabikwa muposo/zyeetwa aabantu) mukati kamahola makkumi obile aane 924) alimwi akupa nsandulo zinywisya maanzimukati kamazuba otatwe aakubeleka musule aakutambula mulumbe. Naa nzsandulo iizulide tiyakonzya kulembwa muzyiindi zitalidwe, tulapa nsandulo mfwiiwii itwasamika kuti nsandulo iizulide ilangililwa kubawo lili.
- d) Kuli aabo bayanda lugwasyo banga baza biya kuwofesi, tubapa lugwasyo munzila yabulemu alimwi akubaambila aatala azyiindi nzibakonzya kulindila naa kwaba lugwasyo ndubatajana.
- e) Kubona akugwasya aabo bayanda lugwasyo kugwambana aabo banga batanguna kuzibya kuza kwabo. Naa kwayandikana kuti kubonwa kwabo kubikilwe chimwi chiindi naakuti buzuba naakuti kunonoke, tunosoleka kuzibya bapegwa lugwasyo aatala amasandu kufwambaana alimwi kulimbabo beni.
- f) Kwaaba malembe aamilawu kuzikolo naakuti ma-insitichuti mukati kamviki yomwe musule aakuzumizigwa aaMupati waSayensi.

Kusikika

- a) Mawofesi eesu anojulidwe kuzwa 8.00 chifumo kuyosika 4.00 mangolezya,

Muvulo kuyosika Bwane, alimwi 8.00 chifumo kuyosika 3:00 mangolezya muliBwasanu kunze kwamazuba aakulyookezya kwabanamunji.

- b) Chiindi nimuswaya mawofesi eesu anoli aabusanambi alimwi anosikika kufwambaana.
- c) Mabbokesi aakuwaala mizeezo anobikidwe aasikika kuWofesi yesu Mpati yakuHarare kuchitila kuti bayanda kuwaala mizeezo yabo bakonzye kuchita oobo.

Mweelo Walugwasyo

- a) Kusumpula nongo yababelesi bali aaluzibo lwamweelo waajulu kuchitila kuti bakonzye kweendelezya masandu aayandikana aakunenekela kuba chisi chabantu bali aabuvubi bulombozeka alimwi bapedwe manguzu kuyosika kumwaaka wa2030 alimwi akuzuzikizya manjezezya aakuyakwa kwama-indasitili akusumpula buvubi bwachisi.
- b) Kupa bulemu alugwasyo kuli aabo mbitupa lugwasyo bamukati kabusena abaanze.
- c) Basikutambula beenzu abalembi banolangika kabotu, kabatambula bantu munzila mbotu alimwi banopa lugwasyo luyandikana kufwambaana mpawo akubona kuti batambikizya bayanda kugwasigwa ooko nkubakonzya kujana lugwasyo naa bo nkabatakonzyi kubagwasya.
- d) Tulombozya kusimatizya kubona kuti lugwasyo lwesu lweendelana anziyanda alimwi azilangililo zyabaabo mbitugwasya.
- e) Kupa lugwasyo lulanza, lulinsini, luliluzi, luzulide alimwi lweelede mpulwakumbilwa.
- f) Kubungania zibelesyo zizulide zyakuchita mfukununo, lusumpuko abufunuuzi alimwi akulwaaba kufwambaana.
- g) Kusumpula basimaanu manji, basikupanga lubono lulombozeka, basimfukununo bapya alimwi amfukununo zilangililwa.
- h) Kweendelezya kubambwa kwachimumbwa zyalubono lupya lupangwa alimwi absikulupanga luzwa kumfukununo alimwi amasandu aachitwa aatala alubono lwakapangwa kale lulembesezegwe mumazina aabantu.

i. Zyelelo aMikuli Yabagwasigwa:

Bagwasigwa aaCEIRD bali aachelelo:

- a) Chakujana lugwasyo luzulide, luliluzi, lubotu alimwi muchiindi cheelede
- b) Chakujana nsandulo zyazintu zililuukwa azibuzigwa aabantu.
- c) Kugwasigwa munzila yabuuya zyiindi zyoonse.
- d) Chakumvwika.
- e) Chakupa mizeezo yabo.
- f) Chakuliluka kufumbwa zyatalulama.
- g) Chansiswa.
- h) Chakujatwa kabotu, kutasaluulwa, chabuuya alimwi abulemu.

Mikuli Yabaabo bajana Lugwasyo

- a) Kuchita milimu iibambidwe muchiindi chililuzi.
- b) Kubelekela aamwi ababelesi munzila yabuuya alimwi yamabelekelo mabaotu.
- c) Kutobelezwa akulemeka nzila zyesu zyamabelekelo;
- d) Kutupa luzibo amizeezo iikonzya kusumpula mabelekelo eesu.
- e) Kupa miizeezo aatla amweelo walugwasyo lwesu.

10.KUBAMBULULWA KWACHISYOMEZYO CHAMABELEKELO

Chisyomezyo Chamabelekelo chinolangwalangwa naakuti kubambululwa mwaaka amwaaka mu 15 Nalupale mukwiinda mukutondeezania ambityubeleka aabo. Zitakajanike kuzwa kuLubazu lwaKulingula aKusebuula nzizyonia zitanozulwide mbambululo kuchitila kuti Chisyomezyo Chamabelekelo chikkale kachilimunzila, chipe zisongozyo alimwi chibe aamanguzu.

11.ZIBUZIGWA AABAGWASIGWA (NIBASIKA LWABO BENI, KUBELESYA MINCHINA YANGWAMBUUZYO NAAKUTI KULEMBELENA AANSI)

Kulumbayizya kwanu, mizeezo, kuliluuka amibono yanu ilitambwidwe. Maboneno aanu abeleka mbuuli mweelo wamabelekelo eesu, kaapa nzila zikonzya kusumpula lugwasyo ndutupa. Tulomba kuti mweete makani woonse kuMubelesi A. Naa kuliluuka kwanu tikwasongolwa kuchibaka eecho, makani aanu akonzya kuya nembo kuMupati waCEIRD
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kuya ku 13

waSayensi. Zyiindi zilangililwa zyakujana nsandulo zikutya zilitalidwe aajulu.

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