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INgcaciso eMfutshane ye-Cape Teaching and Leadership Institute: 0003/2019

Iya: KumaSekela Balawuli-Jikelele, kuBalawuli aBaziiNtloko, kuBalawuli, (KwaNdlunkulu nakwii-ofisi zezithili), kwiiNtloko zoKunika iNkxaso kwiKharityhulam, kwiiNtloko zoLawulo noKuphathwa kwaMaziko, kwiiNtloko zoKunika iNkxaso kwiMfundo eneeMfuno eZizodwa, kuBaphathi beeSekethe, kuBacebisi ngeZifundo nakwiiNqununu zezikolo zikarhulumente

Isihloko: Ukuzihlola ukwenzela ukuqonda iingxaki kootitshala beMathematika nabe-Physical Sciences

1. Imvelaphi

ISebe leMfundo esiSiseko labambisana no-Sasol Foundation no-Siyavula ukubonelela ngezixhobo zokuphuhlisa izakhono zootitshala (*professional development tools*) kootitshala beMathematika nabe-Physical Sciences ngokuthe ngqo kwizikolo eziphakamileyo.

Ukuzihlola ngokwakho ngumba obalulekileyo wophuhliso lwezakhono ngokuqhubekekayo, nokuvumela utitshala onemfundo yoqeqesho ukuba acinge nzulu ngesakhono sakhe sobuchule kwelo candelo lichaphazelekayo nokuba athathe amanyathelo ngalo miba ifunyanisiweyo ukuziphuhlisa nokuphucula isakhono sakhe sokufundisa. Ukusebenzisa esi sixhobo sekhompyutha sokuphuhlisa izakhono zokufundisa kwiimfuno zokwenyani zootitshala, isixhobo sokuzihlola ukuqonda iingxaki (*online diagnostic self-assessment instrument*) saqulunqelwa ukunika inkxaso ootitshala beMathematika kumaBakala 8–12 nootitshala be-Physical Sciences bamaBakala 10–12.

2. Iinjongo zesixhobo sokuzihlola ngokwakho ukuqonda iingxaki

2.1 Injongo yesixhobo sokuzihlola ngokwakho ukuqonda iingxaki (*diagnostic self-assessment tool*) kukunika iingcamango ezizezakho buqu nokunika inkcazo ngokuqhubekekayo kutitshala ngamnye, kwanokucaciswa kweenkalo ezikhethekileyo

zokuphuhliswa kwezakhono zokufundisa ekufundiseni iMathematika nee-Physical Sciences.

2.2 Isixhobo sokuzihlola ngokwakho sikwaqokelela ingcaciso yaye sinike neengcebiso kumaphondo nakwisebe likazwelonke ngokumalunga neenkalo ezilindelekileyo apho kunokudalwa khona amathuba okufunda ayimpumelelo.

3. Ingcaciso ngokubanzi

Kucelwa uqaphele le ngcaciso ilandelayo ibanzi malunga nokusetyenziswa kwesixhobo sokuzihlola ngokwakho (self-assessment tool):

- Iziphumo neengxelo zohlolo ziyimfihlo.
- Akukho ngcaciso enokubonisa igama likatitshala oyedwa eya kwaziswa okanye eya kuboniswa kwidatha okanye kumaxwebhu anika ingxelo.
- Akuyi kubakho miqathango, njengoko uhlolo lunokugqitywa ngexesha elilungele iimeko zikatitshala.
- Kukho amalinge amaninzi awenziweyo yaye ootitshala banokuphinda bazame nawuphi na umbuzo okanye uhlolo lulonke de babe banelisekile ngeziphumo zalo.
- Lwakugqitywa uhlolo, ingxelo yohlolo ukuqonda iingxaki, iya kwenziwa ifumaneka ngokukhawuleza.
- Kunokufikelelwa kuhlolo olwenziwa kwikhompyutha ngeselula, ithablethi okanye ngekhompyutha eyi-*desktop computer* ezinonxibelelwano luka-Intanethi.
- Iziko lewebhu likaSiyavula elibonelela ngenkonzo yokuzihlola ngokwakho alinantlawulo yerhafu kwinethiwekhi ka-Vodacom no-MTN mobile network. Nawuphi na utitshala osebenzisa unxibelelwano lwedatha yeselula kwi-Vodacom okanye kwi-MTN mobile data connection ukufikelela kwisixhobo sokuzihlola ngokwakho, akayi kuyinciphisa ibhalansi yedatha yakhe okanye ahlawuliswe idatha ayisebenzisileyo.
- Oku akusebenzi kwezinye iinethiwekhi apho kusetyenziswa idatha eyeyakho buqu. Nakuba kunjalo, kukhuthazwa ootitshala ukuba basebenzise iindawo ezino-Wifi (*WiFi-enabled school environments*), ezifana neeklassi ii-smart classrooms, amagumbi ootitshala (*staffrooms*) neelebhu zeekhompyutha.
- I-South African Council for Educators (SACE) iya kunika amanqaku utitshala ngamnye ogqiba ngaphezu kwe-50% yalo naluphi na uvavanyo kwelo bakala lithile.

4. Ukuzibandakanya ekusebenziseni isixhobo sokuzihlola ngokwakho

4.1 Iinqununu, ngenkxaso yabacebisi bezifundo, zimele ukukubethelela kubo bonke ootitshala beMathematika kumaBakala 8–12 nee-Physical sciences kumaBakala 10–12, ukuba bazibandakanye kuhlolo lokuzivavanya lokuqonda iingxaki yaye zibakhuthaze ukuba bafikelele kolu hlolo lukwikhompyutha.

4.2 Ootitshala abafundisa iMathematika kumaBakala 8–12 bahlolwa ngokwahlukeneyo kootitshala abafundisa ii-Physical Sciences kumaBakala 10-12.

5. **Ukufikelela kwisixhobo sokuzihlola ngokwakho kwikhompyutha ukuqonda iingxaki (online diagnostic self-assessments tool)**

Uyacelwa ulandela la manyathelo angezantsi ukufikelela kwisixhobo sokuzihlola esikwikhompyutha (online self-assessment tool):

- Okokuqala, ootitshala kufuneka babhalise yaye banike ingcaciso ekhethekileyo ethile, ebangela ukuba isistim ivelise iingxelo engamabakala/izikolo/izithili/amacandelo ohlolo, njl.njl.
- Ezi ngxelo, zisekelwe ekuthatheni inxaxheba nakwiimpendulo ezikwikhompyutha, ziveliswa kungasetyenziswa gama likatitshala nakweziphi na iingxelo ezizezinye yaye ukuhlalutywa kwezi ngxelo njengoko kuchaziwe kwingcaciso ebanzi enikwe kwithuba langaphambili.
- Ootitshala banako ukufikelela kwisixhobo sokuzihlola ngokulandela la manyathelo alandelayo angezantsi:
 - Yiya ku- www.siyavula.com/selfassessment, okanye
 - Khuphela (Download) i-Siyavula Android app kwi-Google Play store
 - Bhalisa (sign up) njengo-“Teacher”
 - Uyacelwa ukhethe ngobulumko isikolo sakho kwilisti
 - Emva kokubhalisa (signing up), khetha u-“Diagnostic Self Evaluation”
 - Khetha uvavanyo uze uklikhe ku-“Try Now” ukuqalisa

6. Kukhuthazwa ootitshala bathathe inxaxheba kumsebenzi wokuzihlola ngokwabo ukuqonda iingxaki, ukwenzela ukuba babenako ukuzihlola ukuxabiseka kwabo ziqu nokumalunga nezakhono zabo zokufundisa.

7. Uyacelwa uqinisekise ukuba okuqulethwe kule ngcaciso imfutshane kwaziswa bonke abasebenzi abangootitshala esikolweni sakho.

ISAYINWE: NGU-PAD BEETS

USEKELA MLAWULI-JIKELELE WEKHARITYHULAM NOLAWULO LOVAVANYO

UMHLA : 2019-07-09

USER
MANUAL

Self-Assessment for Teachers in Mathematics and Physical Sciences using Siyavula Practice Online



basic education
Department:
Basic Education
REPUBLIC OF SOUTH AFRICA



Welcome	1
1. Getting to the website	2
2. Register as a teacher	2
3. Self Assessment	5
• Choosing an assessment	5
• Completing the assessment	6
• Checking your report	6
4. Updating your details on your account	7
5. Resource and Contacts	8
• Android App	8
• Video walk-through	8
• Support	8

WELCOME

The Department of Basic Education have partnered with the Sasol Foundation and Siyavula to provide professional development tools specifically for high school Mathematics and Physical Sciences educators.

The self-evaluation tool available on the Siyavula website allows any educator to evaluate their own content expertise by completing Mathematics and Physical Sciences questions at your convenience using your own device. You will also qualify for 5 SACE points after completing an assessment.

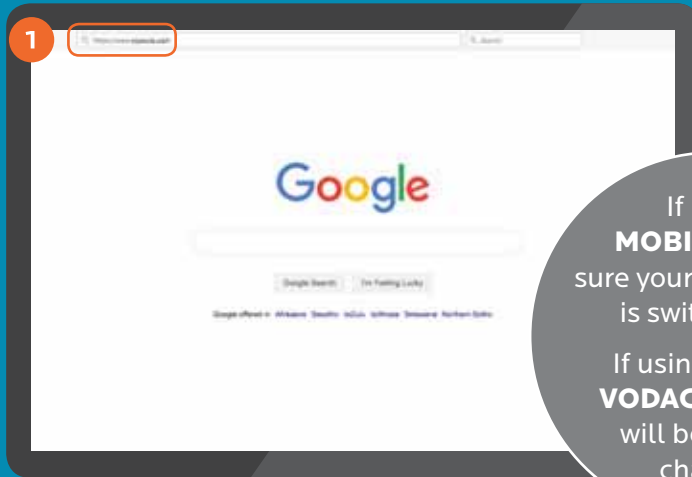
THE CONTENT COVERS

- Mathematics Grade 8, 9, 10, 11 and 12
- Physical Sciences: Grade 10, 11 and 12

All answers are **immediately marked, feedback is automatically generated** and questions **can be repeated** multiple times. Upon completion of the evaluation a **diagnostic report** will be **immediately available** for you to review your assessment.

1 GETTING TO THE WEBSITE

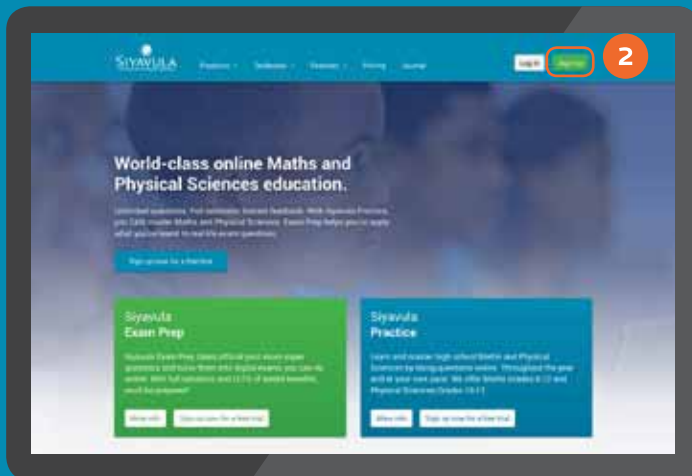
Open a web browser (Chrome or Firefox) on your phone, laptop, tablet or computer. In the URL bar, type in **https://www.siyavula.com**



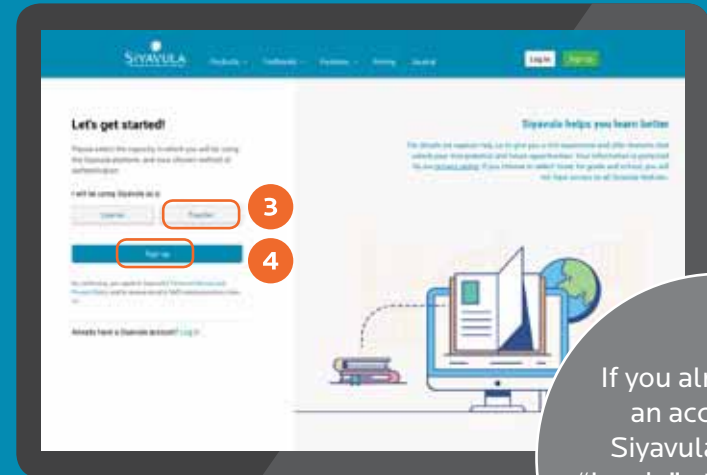
If using **MOBILE**, make sure your mobile data is switched on.
If using **MTN** or **VODACOM**, there will be no data charges.

2 REGISTER AS A TEACHER

Click on “Sign up” at the top of the screen.

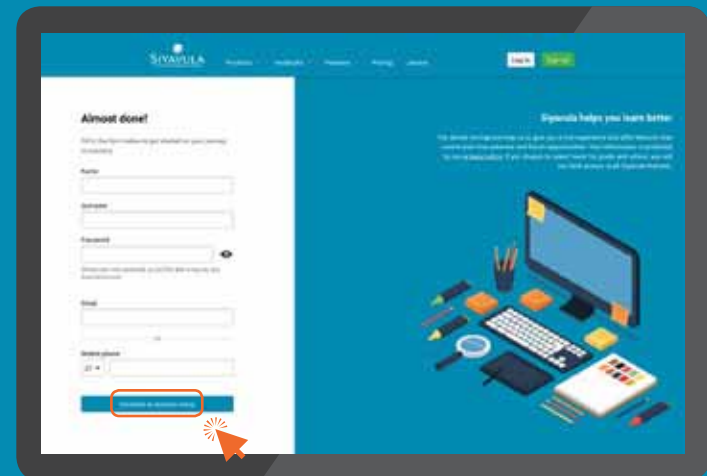


Click on “Teacher” and “Sign up”.



If you already have an account on Siyavula, click on “Log in” at the bottom of the page and proceed to step xxx

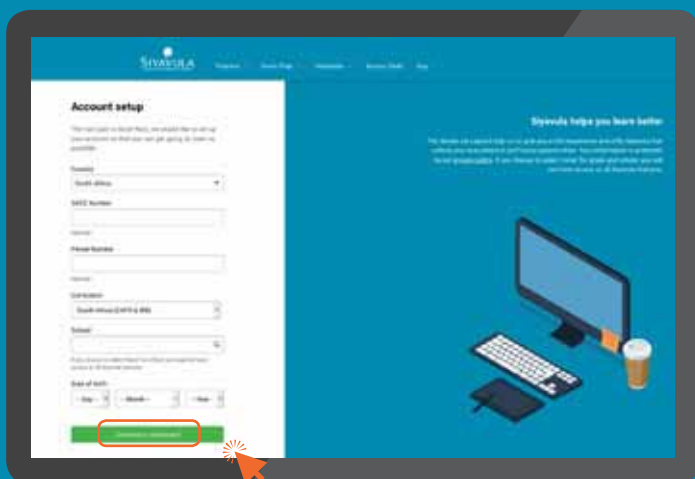
Fill in the form and then click “Continue to account set-up”.



In Account setup, enter your personnel and school details.

- Please make sure to pick the school you are working in from the dropdown so you have the correct information recorded.
- If you do not have your SACE or Persal numbers available, you can update your account at a later stage.

Click on “Continue to dashboard”.



On your Teacher Dashboard, you can access all classroom tools as well as your quick links.

On your Teacher Dashboard, click on “Diagnostic Self-Evaluation”.



CHOOSING AN ASSESSMENT

This takes you to the dashboard for the self assessment. You will see a list of the Maths and Science self assessments available for you to do.

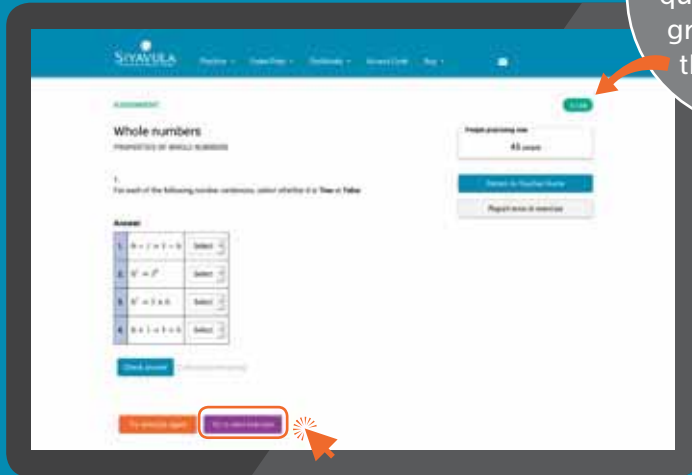
Pick the relevant subject and grade and click on “Try now”.

Mathematics self-evaluation	Take evaluation	Report	SACE points
Mathematics for Grade 8 Teachers			
Whole numbers, Algebra and Equations	Try now	Report	7
Geometry and Measurement	Try now	Report	
Mathematics for Grade 9 Teachers			
Algebra and Equations	Try now	Report	7
Geometry and Measurement	Try now	Report	
Mathematics for Grade 10 Teachers			
Equations and Functions	Try now	Report	7

COMPLETING THE ASSESSMENT

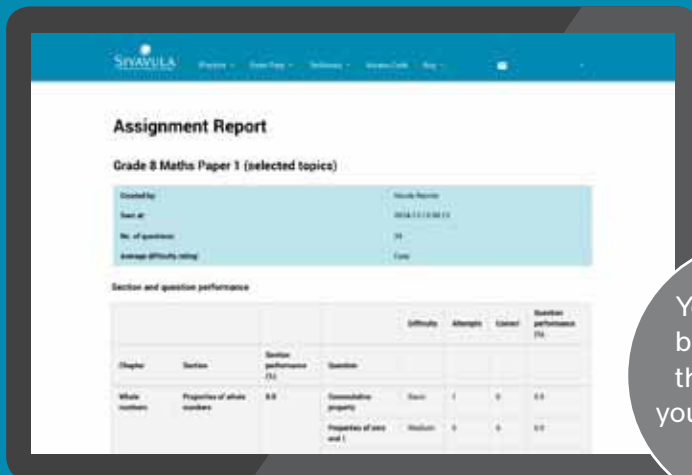
Complete all of the questions in the assessment by filling in the answers and clicking on “Go to next exercise”.

Note the number of questions in the green circle on the top right.



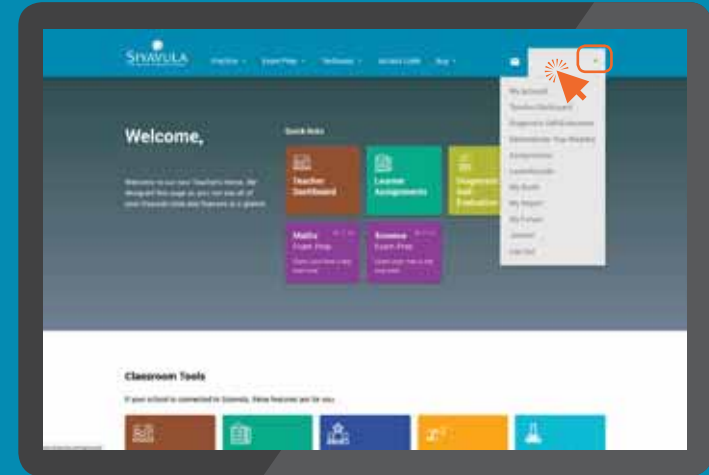
CHECKING YOUR REPORT

Once you have completed all of the questions in the assessment, go back to your dashboard and click on the “Report” under the subject and grade assessment you just completed.

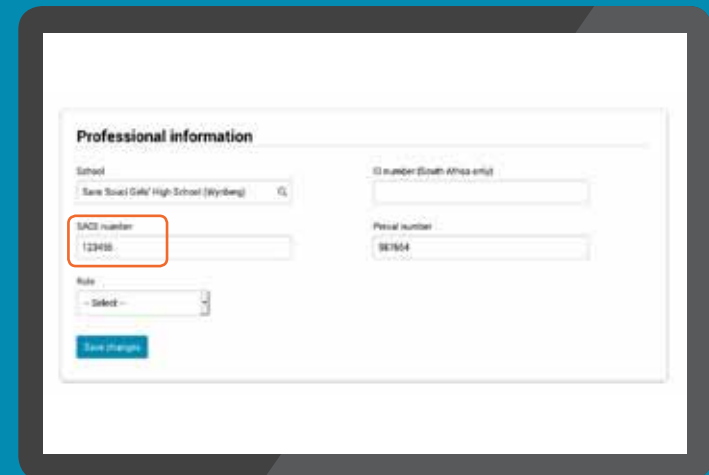


You will see a breakdown of the questions you did and your results.

From your teacher dashboard, go to the top menu bar where your name is shown. Here you can update your personal information, professional information, country, login credentials and communication preferences.



It is important for us to have your SACE number in order to submit your report for the SACE points.



ANDROID APP

We've released an Android App that educators can download from the Google Play store to make simpler for some educators to get to the website. It can be found at:

<https://play.google.com/store/apps/details?id=com.siyavula.app>

VIDEO WALK-THROUGH

This video does a walk-through from downloading the App to viewing your report:

<https://www.youtube.com/watch?v=ztqwVuulWUs>

SUPPORT

Email: support@siyavula.com

Tel: 021 204 4866

Website: <https://www.siyavula.com>