



Webinar – 7 April 2020

Coronavirus - Lessons in Remote Learning from China and Europe

Digital Inclusion in SA

JAN
2019

INTERNET USE: DEVICE PERSPECTIVE

BASED ON ACTIVE INTERNET USER DATA, AND ACTIVE USE OF INTERNET-POWERED MOBILE SERVICES



TOTAL NUMBER
OF ACTIVE
INTERNET USERS



we
are
social

31.18
MILLION

INTERNET USERS AS
A PERCENTAGE OF
TOTAL POPULATION



global
web
index

54%

TOTAL NUMBER
OF ACTIVE MOBILE
INTERNET USERS



30

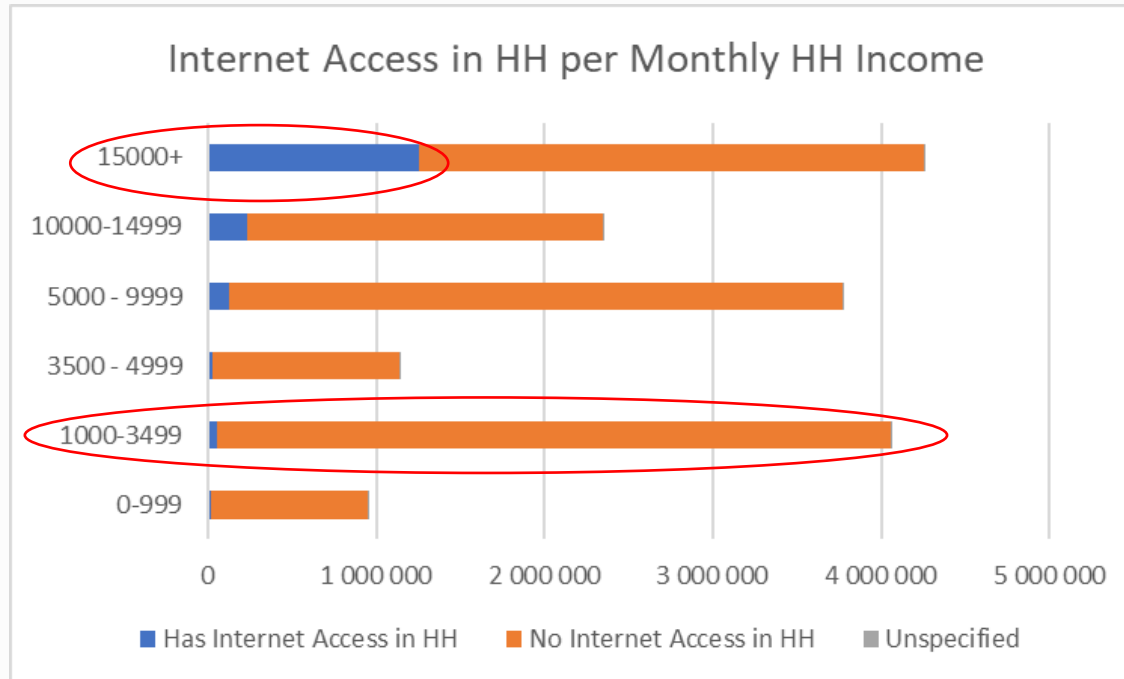
28.99
MILLION

MOBILE INTERNET USERS
AS A PERCENTAGE
OF TOTAL POPULATION



50%

Internet Access in Dwelling per Monthly HH Income



- HH Internet Access concentrated in HH earning over R15k per month
- Large portion of HH in R1000 to R3499 band with little internet access
- HH size is larger in lower income HHs

Source: General HH Survey 2018, Stats SA

Valuable platforms in SA

- Moya Messenger App
 - Texting, Group Chats
 - Media is not free
- CareUp App
 - Platform for parents and teachers – focused on preschool
 - Provides Free learning Resources – text and audio based
- Jobstarter App
 - Free mobile learning and career information platform
- The Khan Academy
 - Site is zero-rated
 - Covers multiple subjects
- Vodacom e-School Portal
 - Zero rated for Gr R – Gr 12
 - Offered in multiple languages
 - Includes quizzes and assignments
- Mindset
 - Zero-rated by Vodacom
 - Provides useful videos for learners
- Siyavula
 - Math/Science practice questions + free online books
 - Zero-rated by Vodacom and MTN
- UNESCO
 - <https://en.unesco.org/covid19/educationresponse/solutions>
 - List of platforms with online learning materials (access via feature phones), free books
- Kahoot
 - Free resources for teachers
- Kidzearch
 - Wiki for kids
- Code Space
 - Offering free coding lessons
- FunDza – fundza.mobi
 - Publishes books and learning materials
- MathsUP
 - provides teachers with bite-size Maths content that is delivered Monday to Friday

University Online Learning Strategies

- Wits-e - <https://www.wits.ac.za/wits-e/>
 - Free for Wits Students on Vodacom, MTN and Telkom
- UCT
 - Introducing a teaching online task team
 - Move all undergrad courses online – except in health sciences
 - Working on zero-rating mobile data for specific UCT online resources
- NWU
 - Conducting a survey about needs of learners – including electricity, devices and WIFI
- UJ ULink
 - Negotiating with service providers to provide students data
 - Working on Zero rating the UJ website (3 April 2020)
- UWC
 - Institutional Learning Management System for remote learning
- UP
 - Learning continuity plan
 - Access learning materials though clickUP
- SUN Learn
 - Making text based content and audio narration available online to reduce data costs
 - engaging mobile service providers to zero-rate (26 March 2020)

Alternate methods to engage learners

- Egyptian Knowledge Bank
 - Centralised digital platform to connect teachers and learners
 - Provides content
 - Engaging 1 provider (Edmodo) to offer remote instruction
 - Providing sim cards to learners with devices
- Kenya
 - Delivering content over radio, TV, YouTube
- Liberia
 - Orange Liberia offering free access to education content
- Uganda / Arizona State University
 - Developed a solar powered backpack, which contains offline digital course content which can be accessed via a Raspberry PI microcomputer
 - Acts as a digital library
- World Bank
 - Distributing low-cost e-readers which are updated with digital content

Zero rated by Telkom

Institution	URL
Boland FET College	http://www.bolandcollege.com/
Cape Peninsula University of Technology	http://www.cput.ac.za/
Capricorn FET College	http://www.capricorncollege.co.za/
Central Johannesburg FET College	http://www.cjc.edu.za/
Central University of Technology	http://www.cut.ac.za/
Coastal FET College	http://www.coastalkzn.co.za/
College of Cape Town	http://www.cct.edu.za/
Durban University of Tech	http://www.dut.ac.za/
Eastcape Midlands FET College	http://www.emcol.co.za/
Ehlanzeni FET College	http://www.ehlanzenicollege.co.za/
Ekurhuleni East FET College	http://www.eec.edu.za/
Ekurhuleni West FET College	http://www.ewc.edu.za/
Elangeni FET College	http://www.efet.co.za/
Everything Maths	http://everythingmaths.co.za
Everything Science	http://everythingscience.co.za
False Bay FET College	http://www.falsebaycollege.co.za/
Flavius Mareka FET College	http://www.flaviusmareka.net/
Gert Sibande FET College	https://educonnect.co.za/institutions/institution/gert-sibande-tvet-college/
Goldfields FET College	http://goldfieldstvet.edu.za/
Ikhala FET College	https://www.ikhala.edu.za/
Khan Academy	https://www.khanacademy.org
King Satha Dalindyebo FET College	http://www.ksdcollge.edu.za/
Lephalale FET College	http://leptvetcol.edu.za/
Letaba FET College	http://www.letabafet.co.za/
Maluti FET College	http://www.malutitvet.co.za/
Mangosuthu University of Technology	http://www.mut.ac.za/
Mindset	https://learn.mindset.africa/
Mopani South East FET College	http://www.mopanicollge.edu.za

Motheo FET College	https://www.motheotvet.co.za/
Nelson Mandela Metropolitan University	https://www.mandela.ac.za/
Nkangala FET College	http://www.nkangalafet.edu.za/
North West University	http://www.nwu.ac.za/
Northern Cape Rural FET College	http://ncrtvet.com/
Northlink FET College	http://www.northlink.co.za/
Orbit FET College	http://www.orbitcollege.co.za/
Rhodes University	http://www.ru.ac.za/
Sedibeng FET College	http://www.sedcol.co.za/
Sekhukhune FET College	http://www.sekfetcol.org/
South Cape FET College	http://www.sccollege.co.za/
South West FET College	http://www.swgc.co.za/
Stellenbosch University	http://www.sun.ac.za/
Taletso FET College	https://taletso.edu.za/
Thekwini FET College	http://www.thekwinicollege.co.za/
Tshwane North FET College	https://www.tnc.edu.za/
Tshwane South FET College	http://www.tsc.edu.za/
Tshwane University of Technology	http://www.tut.ac.za/
Umfolozo FET College	http://www.umfolozicollege.co.za/
University of Cape Town	http://www.uct.ac.za/
University of Johannesburg	http://www.uj.ac.za/
University of Kwazulu-Natal	http://www.ukzn.ac.za/
University of Limpopo	http://www.ul.ac.za/
University of Pretoria	https://www.up.ac.za/
University of the Free State	http://www.ufs.ac.za/
University of the Western Cape	http://www.uwc.ac.za/
University of Venda	http://www.univen.ac.za/
University of Zululand	http://www.unizulu.ac.za/
Vaal University of Technology	http://www.vut.ac.za/
Vuselela FET College	http://www.vuselelacollege.co.za/
Walter Sisulu University	http://www.wsu.ac.za/
West Coast FET College	http://www.westcoastcollege.co.za/
Western College for FET	http://www.westcol.co.za/

WCED Free Resources



Western Cape
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Quality
learning
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LET'S STOP THE SPREAD

• Click on the link; or
• Copy & paste the link into your web browser.

FREE RESOURCES

Name	Category	Link	Grades	Subjects
100 Scholastic	Curriculum	https://interactives.ck12.org/simulations/physics.html?q-clid=CJ0KCQIwpfHzBRCIARIsAH-HzyZgC_LQKDhT7qrUFQekOJL4L-rGG-EtemxYeW8tsqTYe4FalNln-NlqLEaAsWEEALw_wcB	Gr. 7 - 12	Physics and Chemistry
2Enable	Curriculum	https://www.2enable.org/	All	all
Advantage Learn	Curriculum	https://advantagelearn.com/redeem	Gr. 8 - 12	MATHS
African Story-book	Reading	https://www.africanstorybook.org/	Gr. 1 - 6	Eng / Afr / IsiXhosa
Afrikaanse Literatuur	Curriculum	https://afrikaans-afrikaans.weebly.com/kortverhale.html	Gr. 11	Afrikaans HT
Aha Wiskunde	Curriculum	https://www.youtube.com/channel/UCUf0zYd6rFlxmK3rmQk-kA/feed	Gr. 4 - 8	Wiskunde
AnnaEmm Podgoioe	Reading	https://annaemmpod.co.za/#/home	Gr. 1 - 3	Afrikaans
Blockly Games	Coding	https://blockly.games/	All	Coding and Robotics
Book Creator	Curriculum	https://bookcreator.com/	All	All
Britannica	Curriculum	https://www.britannica.com/	12	Music
Cambridge	Curriculum	http://cup.co.za/pages/cam-bridge-digital-content-caps	All	All
Centre for Mathematics and Technology	Curriculum	https://mathandteaching.org/Covid-19/	All	Maths
Code Academy	Coding	https://www.codecademy.com/	All	Coding and Robotics
Code Combat	Coding	https://codecombat.com/	All	Coding and Robotics
Code.org	Coding	https://code.org/	All	Coding and Robotics
CodeMonkey	Coding	https://www.codemonkey.com/	All	Coding and Robotics
CodieMoj	Coding	https://www.codemoji.com/	All	Coding and Robotics
Coding Bat	Coding	https://codingbat.com/java	All	Coding and Robotics



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Name	Category	Link	Grades	Subjects
Core Knowledge	Curriculum	https://www.coreknowledge.org/curriculum/download-curriculum/?subject_filter%5B0%5D=28&grade_filter%5B%5D=34#filter-wrapper	Gr. R - 8	Science, Languages & Technology
COVID-19 Teacher Support	Information	https://wcedteacherwixsite.com/covid19	All	All
Crunch Zilla	Coding	http://www.crunchzilla.com/	All	Coding and Robotics
Curriculum Associates	Curriculum	https://www.curriculumassociates.com/supporting-students-away-from-school	Gr. R - 8	Maths and Reading
Desmos Maths	Curriculum	https://www.desmos.com/	Gr. 2 - 3	Math
Dou Kleefstra	Curriculum	https://www.youtube.com/user/OPENMINDSMATHS/featured?pbjrl-load=10	All	Wiskunde
eduMedia	Curriculum	https://praxilabs.com/en/virtual-labs	Gr. 10 - 12	Biology, Chemistry and Physics.
Elmien Saayman	Curriculum	https://www.youtube.com/channel/UCq7cVbssyFK8QH3irpLIXLg	Gr. 7	Maths
FreeCodeCamp	Coding	freeCodeCamp.org	All	Coding and Robotics
Fundawande	Reading	https://fundawande.org/learning-resources	Gr. 1 - 3	Languages
Glen Samaai Aardryskunde	Curriculum	https://www.youtube.com/channel/UCQv377cJU0b4hwKXgkx3ig	Gr. 12	Geografie
Go Social	Curriculum	https://go.socialstudies.com/coronavirus	Gr. 7 - 12	Social Science
Great Minds	Curriculum	https://greatminds.org/math	Gr. 7 - 12	Maths, English, Science and History.
Growsmart	Reading	https://viaafrika.com/growsmart/	Gr. 4 - 6	English
History.com	Information	https://www.history.com/classroom	All	History
Hopscotch	Coding	https://www.gethopscotch.com/	All	Coding and Robotics
Hou net op Sukkel	Curriculum	https://www.youtube.com/channel/UC4hfQTA6A9HXHSReAixHVwQ	Gr. 10 - 12	Wiskunde
Hour of Code	Coding	https://code.org/hourofcode/overview	All	Coding and Robotics

WC ED Resources



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Quality Learning @home: Grade 12 resources

The WCED ePortal

- 4 000 resources targeted at Grade 12s learning
- A Learner Dashboard for each subject
- A list of free resources
- <https://wcedportal.co.za>

Examination papers and memoranda

- Revision videos from expert teachers on specific content and concepts
- <https://wcedonline.westerncape.gov.za/grade-12-question-papers>

MInd the Gap Study Series

- A DBE study guide series on commonly tested concepts
- <https://wcedonline.westerncape.gov.za/mInd-gap>

Matric Support Resources

- “Tips for Success” to prepare for exams
- Matric revision videos and prescribed literature
- <https://wcedonline.westerncape.gov.za/matric-support>

Grade 12 Revision – Telematics

- Revision videos from expert teachers on specific content and concepts
- <https://wcedonline.westerncape.gov.za/edumedia/revision-dvds-telematics>

LET'S **STOP** THE SPREAD

Free Resources during lockdown

OPEN BOOK Apple releases audiobooks and e-books for FREE to relieve boredom during coronavirus lockdown

Charlotte Edwards, Digital Technology and Science Reporter
24 Mar 2020, 15:52 | Updated: 24 Mar 2020, 15:59



Stay home & only go shopping for essentials
Self-isolate with cough or fever
Stay 2m apart from everyone except family

Take student learning online in response to coronavirus

We're joining with our partners to provide free access to Coursera for Campus for any impacted college or university.

Get started

5. Apple Books has a collection of free books in nearly every genre and for all ages, plus a "first in a series" promotion that lets readers get the first book in different series for free.

2:46

Book Store

Browse Sections

7. The Internet Archive announced the National Emergency Library, which suspends its waitlist on books so students can immediately access materials that they need. The waitlists will remain closed through June, or the end of the US National Emergency, whichever is later.

ARCHIVE WEB BOOKS VIDEO AUDIO SOFTWARE IMAGES
ABOUT CONTACT BLOG PROJECTS HELP DONATE JOBS VOLUNTEER



National Emergency Library

Announcing the National Emergency Library, a collection of books that supports emergency remote teaching, research and independent scholarship, and intellectual stimulation while universities, schools, training centers, and libraries are closed.

ABOUT

COLLECTION

1,428,427 RESULTS

SORT BY: VIEWS · TITLE · DATE PUBLISHED · CREATOR

Search this Collection

☒ Metadata
☐ Text contents

PART OF
Open Libraries

Media Type
☐ texts 1,428,427

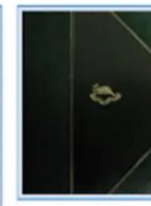
Availability
☐ Available to Borrow 1,428,425
☐ Always Available 2



Miracle & its philosophical presuppositions.



Twice thirty : some short and simple annals of the



Oeuvres complètes (illustrées)



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Internet Archive