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1. Resources for Subject Areas

2enable.org Lesson plans for teachers via laptop; content for learners via mobile devices (Geography, Natural Science, Maths Lit, Economics.. etc)

Mindset Network includes many subjects (multimedia & lessons) <https://www.mindset.africa/http://learn.mindset.co.za/>

Bookmarked sites/resources on SchoolNet Diigo: https://groups.diigo.com/group/school_net_sa

BCX learning platform for parents, learners, teachers <https://bcxlearn.com/>

Rethink education <https://www.rethinkeducation.org/>

Siyavula Textbooks <https://www.siyavula.com/read>

1.1. Teaching English

British Council <https://www.teachingenglish.org.uk/resources>

One stop English: <http://www.onestopenglish.com/>

Cambridge English: <http://www.cambridgeenglish.org/learning-english/free-resources/>

Google Literature Trips- Learn literature whilst mapping the geography of the world:
<http://www.googlelitrips.org/>

www.tweentribune.com

Primary school English: <http://www.primaryresources.co.uk/english/english.htm>

NaliBali <http://nalibali.org/>

African Storybook Project: <http://www.africanstorybook.org/>

Learn English Apps:
http://learnenglish.britishcouncil.org/en/apps?_ga=1.43037154.653415077.1475673013

Learn English Games: <https://learnenglish.britishcouncil.org/vocabulary/vocabulary-games>

1.2. Teaching Mathematics

Learning Maths (grades 10-12)

<https://www.studyclix.co.za/national-senior-certificate/mathematics/created-by-studyclix/everything-you-need-to-know-about-grade-12-mathematics>
<https://www.theanswer.co.za/english/grade-12/mathematics/>

GeoGebra: GeoGebra is dynamic mathematics software for all levels of education that brings together geometry, algebra, spreadsheets, graphing, statistics and calculus in one easy-to-use package. <https://www.geogebra.org/>

Geometry Pad: <http://www.stemonmobile.com/geometry-pad/>

Photomath: <https://photomath.com/en/>

CK12/Math: <https://www.ck12.org/student/>

Desmos: <https://www.desmos.com/>

Citizen Math: <https://www.citizenmath.com/>

Maths Chase: <https://www.mathschase.com/>

Math Learning Centre: <https://www.mathlearningcenter.org/apps>

EduKite: <http://edukite-maths-and-physical-sciences-grad.software.informer.com/>

1.3. Teaching Physical Science

Physical Science Simulations: <https://phet.colorado.edu/>

EduKite: <http://edukite-maths-and-physical-sciences-grad.software.informer.com/>

Crocodile Clips: <http://www.yenka.com/>

Chemistry Models: <https://chemsketch.en.softonic.com/>

Science Lab: <https://kids.nationalgeographic.com/science>

BrainPOP Jr: <https://jr.brainpop.com/science/>

Tynker: <https://www.tynker.com/>

The Elements-Periodic Table: <https://pubchem.ncbi.nlm.nih.gov/periodic-table/>

Periodic Table App:

<https://play.google.com/store/apps/details?id=mendeleev.redlime&hl=en&gl=US>

Science Quiz: <https://apps.apple.com/us/app/scq-science-challenging-quiz/id1440078272>

Wolfram Alpha: <https://www.wolframalpha.com/examples/science-and-technology/physics>

LabXchange: <https://www.labxchange.org/>

The Physics Aviary: <https://www.thephysicsaviary.com/>

The Physics Classroom: <https://www.physicsclassroom.com/>

MolView: molview.org

1.4. Teaching Social Sciences

Discovery Education: <http://www.discoveryeducation.com/teachers/>

National Geographic: <http://nationalgeographic.org/education/teaching-resources/>

Google Maps: <http://maps.google.com/help/maps/education/>

ArcGIS: <https://www.arcgis.com/home/index.html>

Google Literature Trips- Learn literature whilst mapping Geography of the world:

<http://www.googlelitrips.org/>

Arc MAP: <https://www.arcgis.com/features/index.html>

AutoCAD: <http://www.autodesk.com/education/free-software/autocad>

Weather by TinyBop: <https://tinybop.com/apps/weather>

Live earthquake monitoring: <https://www.emsc-csem.org/#2>

Live Storm Tracker: <https://zoom.earth/>

1.5. Teaching History

Teaching history: <http://teachinghistory.org/>

South African History: <http://www.sahistory.org.za/>

Google Earth: <https://www.google.com/earth/education/>

Knightlab: <https://storymap.knightlab.com/> <https://timeline.knightlab.com/>

Docs Teach: <https://docsteach.org/>

Thutong Education Portal:
<https://www.thutong.doe.gov.za/Default.aspx?alias=www.thutong.doe.gov.za/history>

Apartheid Museum: <https://www.apartheidmuseum.org/resources>

Google Art and Culture: <https://artsandculture.google.com/entity/south-africa/m0hzlz?hl=en>

1.6. Teaching Accounting & EMS

Basic Accounting and Bookkeeping lessons: <https://www.moneyinstructor.com/accounting.asp>

Thuma Mina Teaching: <https://tmteaching.co.za/our-lessons/>

Junior Tukkie: <https://juniortukkie.online/accounting/>

Economic Management Sciences Resources:
http://vivlia.co.za/?q1_work=viva-ems-grade-8-resources

Thutong Education Portal:
<https://www.thutong.doe.gov.za/Default.aspx?alias=www.thutong.doe.gov.za/accounting>

1.7. Information Technology & Computer Applications Technology

IT and CAT Resources: <https://sites.google.com/view/itandcatinec/home>

Link to Tutorials- Help Guide (Offline and Online)

<http://www.intel.com/content/www/us/en/education/k12/education-help-guide/download.html>

Replit: <https://replit.com/>

Ramdit: <https://www.ramdit.com/>

Siyavula CAT:

<https://www.siyavula.com/read/za/computer-applications-technology/grade-12>

<https://www.siyavula.com/read/za/computer-applications-technology/grade-11>

<https://www.siyavula.com/read/za/computer-applications-technology/grade-10>

1.8. Teaching Life Sciences & Natural Sciences

Blausen: <http://blausen.com/en/video/anatomy-of-the-ear/#>

Life Science Lessons: <https://lesson-plans.theteacherscorner.net/science/life/>

Macaulay Library: <http://macaulaylibrary.org/>

The Wild Classroom: <http://www.thewildclassroom.com/>

Zygote Body: <https://zygotebody.com/>

Human Body: <https://www.livescience.com/37009-human-body.html>

1.9. Teaching Afrikaans

Easy Afrikaans: <http://www.easyafrikaans.com/>

Learn Afrikaans at home:

<http://www.south-african-homeschool-curriculum.com/afrikaans-language-resources.html#list>

1.10. Teaching Zulu, Tswana, Xhosa, Sotho

Zulu wikibooks: <https://en.wikibooks.org/wiki/Zulu>

Tswana: <https://www.mylanguageexchange.com/Learn/Tswana.asp>

African Storybook: <https://africanstorybook.org/>

1.11. Teaching Agricultural Science

Agricultural Science: <http://agsciencevideos.blogspot.co.za/>

Garden Answers: <https://www.gardenanswers.com/>

iNaturalist: <https://www.inaturalist.org/>

Grade12 Agricultural Sciences:
<https://play.google.com/store/apps/details?id=bmr.grade12.agriculturalsciences>

Green Agri: <https://www.greenagri.org.za/>

Science of Agriculture: <https://scienceofagriculture.org/>

2. Lesson Plans & Teacher Resources

Lesson plans, etc. <http://www.theteacherscorner.net/teacher-resources/>

Lesson Worksheets: <http://www.worksheetcloud.com/>

South African Lesson plans <http://e-classroom.co.za/>

Teacher lesson plans & PD <http://www.edutopia.org/new-teacher-resources>

3. Apps for Mobile Devices

Microsoft Apps for Android:

<http://www.zdnet.com/pictures/10-must-have-microsoft-apps-for-your-android-phone/>

Microsoft Apps for Windows:

<https://www.microsoft.com/en-gb/education/products/Education-Apps/default.aspx>

Android Apps for Foundation Phase:

<http://www.familyeducation.com/fun/mobile-apps/21-free-educational-apps-kids>

Android Apps for High School Students:

<http://appcrawlr.com/android-apps/best-apps-high-school-students>

Tablet App Vodacom E-Classroom

<http://www.vodacom.co.za/vodacom/services/vodacom-e-school>

<https://blog.ed.ted.com/2015/09/19/25-awesome-apps-for-teachers-recommended-by-teachers/>

<https://www.educatorstechnology.com/2018/01/here-are-some-of-best-formative.html>

4. Online Professional Development

Microsoft Free Resources and Educator Network: <https://education.microsoft.com/>

Grow with Google: <https://grow.google/intl/ssa-en/>

Adobe Education Exchange: edex.adobe.com

Collaboration on International Projects: <https://iearn.org/>

Microsoft Free Resources and Educator Network for Students:

<https://www.microsoft.com/en-us/education/students/default.aspx>

Microsoft Digital Literacy: <https://www.microsoft.com/en-us/digital-literacy>

Open 2 Study <https://www.open2study.com/>

Stanford <https://ohs.stanford.edu/>

Coursera: <https://www.coursera.org/>

Udacity; <https://www.udacity.com/>

SchoolNet SA Courses:

Intel courses: <http://www.schoolnet.org.za/teacher-development/intel-teach/intel-teach-overview/>

Microsoft Courses: <http://schoolnet.org.za/PILP/index.html>

5. Digital Safety and Digital Wellness

Gamification resources:

<https://globaldigitalcitizen.org/13-apps-games-internet-safety-awareness>

Kids talk about Cyber safety

<http://www.intel.com/content/www/us/en/education/education-mcafee-internet-security-kids-video.html>

Policy of Protection

<http://www.intel.com/content/dam/www/program/education/us/en/documents/mobile-learning/policy-of-protection-v2.pdf>

Google Be Internet Awesome: https://beinternetawesome.withgoogle.com/en_za

Common Sense Education: <https://www.commonsense.org/education/digital-citizenship>

6. Online Job Portals

Freelancer: <https://www.freelancer.co.za/>

PNet: <https://www.pnet.co.za/>

Indeed: <https://za.indeed.com/>

LinkedIn Jobs: <https://www.linkedin.com/jobs/>

Careers24: <https://www.careers24.com/>

Career Junction: <https://www.careerjunction.co.za/>

Glassdoor: <https://www.glassdoor.com/>

7. School Support Tools

Microsoft Transformation Survey <http://bit.ly/2qL0HQv>

Compare prices of education solutions. Tool for schools <https://schooladvisor.co.za/>

Descript: <https://www.descript.com/> for creating videos and podcasts

Windows [Moviemaker](#): brings images, music, narration together in one project

8. List of Bursaries

<https://www.zabursaries.co.za/>

<https://allbursaries.co.za/>

<https://bursaries-southafrica.co.za/>

<https://www.funzalushaka.doe.gov.za/>

<https://studytrust.org.za/>

<https://puffandpass.co.za/>

9. Communities of Practice

Maths

- **Mathematics Leadership.** Supporting teachers/leaders to develop powerful, evidence-based models for enhancing mathematics learning and teaching.
- **Critical Transitions in Student Mathematical Development.** Focusing on transitions proven to be challenging for students (e.g., K to Grade 1, elementary to secondary).
- **Indigenous Knowledge and Mathematics Education.** Advancing mathematics learning for First Nations, Métis and Inuit students through the identification of effective

pedagogical practices connecting existing mathematics within traditional technologies and design; exploring how and when culturally based Indigenous Knowledge and activities can be used within all classrooms.

- **Computational Thinking in Mathematics Education.** Integrating computational thinking in mathematics instruction to facilitate conceptual development through dynamic modelling and active learning.
- Bridge:
<https://www.bridge.org.za/Knowledgecategory/maths-and-science-learner-support-community-of-practice/>
- Science
<https://esp.acoe.org/> <https://www.sciencepartnership.org/> <https://twitter.com/spfii>

10. Tutorials

How to use a smartboard:

<https://study.com/academy/lesson/how-to-use-a-smart-board.html#:~:text=Work%20the%20Smartboard%20with%20your,them%20along%20using%20a%20finger.>

<https://resilienteducator.com/classroom-resources/teacher-s-guide-how-to-use-a-smartboard-in-the-classroom/>

https://www.youtube.com/watch?v=-m6wHd_WENM

How to use Adobe Illustrator

How use Adobe Illustrator: <https://www.youtube.com/watch?v=Ib8UBwu3yGA>

Beginners tutorial: <https://www.youtube.com/watch?v=AinkCNooh2A>

How to use Canvas LMS

Crash course: <https://www.youtube.com/watch?v=IJIP0XCy9s0>

Quick guide: https://www.youtube.com/watch?v=ZNRRe_shC_A

How to use Blackboard LMS:

Blackboard Basics: <https://www.youtube.com/watch?v=MzLV7x3nuSc>

How to use Blackboard: <https://www.youtube.com/watch?v=f1ZLaaF8YmU>

How to use Articulate 360: <https://articulate.com/360>

Tutorial: <https://www.youtube.com/watch?v=moGBF08nXWo>

Articulate 360 tutorials and guides:

<https://articulate.com/support/article/Articulate-Tutorials-and-User-Guides>

11. Artificial Intelligence for Educators

Aixploria - <https://www.aixploria.com/en/>

MagicSchoolAI - <https://www.magicschool.ai/>

Gemini AI - <https://gemini.google.com/app>

Copilot - m365.cloud.microsoft/chat

Chatgpt - <https://chatgpt.com/>

Brisk Teaching - <https://www.briskteaching.com/>

Grammarly - <http://grammarly.com/>

Quillbot - <https://quillbot.com/>

AI and Edu Oxford University - [AI & Education | Oxford University Press](#)

Guidance on Artificial Intelligence in Schools -

<https://acrobat.adobe.com/id/urn:aaid:sc:EU:474d26ff-ebd7-46f6-8b4c-33a6c3a262ab>

<https://ditchthattextbook.com/ai-tools/>

12. Open Education resources

UNESCO <https://www.unesco.org/en/open-educational-resources>

Educational Computing Organisation of Ontario (ECOO) <http://ecoo.org>

International Association for K-12 Online Learning (iNACOL) <http://www.inacol.org>

Advance Learning Through Innovative Science & Technology (ADL) <http://www.adlnet.gov>