

**GEOGRAPHIC
INFORMATION
SYSTEMS**



**MAPWORK
INTERPRETATION**

GEOGRAPHY

FundaLula.

MAPWORK WITH GIS

**A new dimension to teaching &
learning Geography.**



**DIGITAL
MAPS**

**CRITICAL
THINKING**

**INVESTMENT IN
EDUCATION**

Spatially EMPOWERING the future GENERATION.



FundaLula aims to develop geospatial critical thinking, reasoning, investigative & creative skills that learners can use in all areas of their lives.

Geography as a scientific discipline has now embraced the technology of Geographic Information Systems (GIS) for better understanding of geographic relationships within our world. Esri South Africa believes in simplifying our world through spatial solutions and we have been supporting secondary schools since the introduction of GIS in the curriculum. In our experience, the recurring issue that many teachers share, is that the Mapwork component, which makes up 25% of the Geography paper, poses a real challenge.

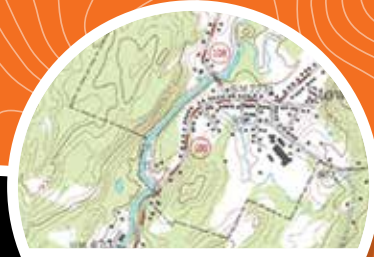
We studied the Curriculum and Assessment Policy Statement (CAPS) document relating to the Geography curriculum. With the help of experienced Geography teachers, through the use of innovative technology, Esri South Africa has developed an application that covers every component of the Mapwork curriculum. The application is designed to equip teachers and learners with skills to master mapwork using GIS in order to convey fundamental concepts.

Geography knowledge transfer in the 21st Century is enhanced by the use of Information Communication Technology (ICT) and GIS, which are core components of FundaLula. In FundaLula we use short interactive lectures, videos, hands on exercises, brainteasers and demonstrations to keep Mapwork interesting. Learners have different learning styles and our platform seeks to cover different approaches to ensure that they learn while they play. It also encourages teachers to utilise computer technology to create an engaging, dynamic learning environment in the classroom.



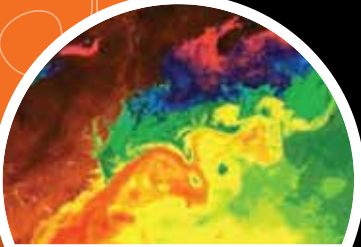


MAPS



**TOPOGRAPHICAL
MAPS**

**The learning
areas are
divided into
the following
sections:**



**REMOTE
SENSING**



GIS



**MAP
INTERPRETATION**



GEOGRAPHY with GIS
is the key to **UNLOCK THE
UNDERSTANDING** of our
inter-connected world.

The Package Includes:

Multimedia

Videos

Supporting videos are available which assist with the explanation of complex sections.

Images

Visual content available for selected activities which opens within the application.

Extra Content

Additional resources that are supplementary material for lesson discussions or activities in picture or PDF formats.

Teacher & learner notes

Teacher notes

A “handbook” or “library” designed to provide teachers with all the required background to present a specific lesson.

Learner notes

A summary of all the important concepts covered during the lesson.

Variety of maps

The program provides digital maps that are used in the mapwork curriculum including base-, global-, continental-, South African-, topographic and orthophoto maps.

Interactive activities

Practical paper and map based assessments designed to test learner understanding in order to develop spatial and critical thinking skills.

Powerpoint slides

Visual material to assist teachers with the lesson presentation as well as enhancing understanding by the learners.

For more information, call us on 011 238 6300 or email to fundalula@esri-southafrica.com. Alternatively you can visit www.esri-southafrica.com.

