Cyber Safety Calendar Contest

Prof Johan van Niekerk

School of ICT
Faculty of Engineering, the Built Environment, and Information Technology

Johan.vanniekerk@nmmu.ac.za
http://cyberaware.org.za
Tel: 041 504 3048
Who are we?

NMMU
Cyber-Security Team

Prof. Relekgi van Sorge
Prof. Johan van Niekerk
Prof. Gerhard Theron
Richard Estes
Dr. Virginia Chabveyi

Nelson Mandela Metropolitan University
for tomorrow

Prof. Johan Van Niekerk
visiting a school

Learners participating in
Cyber-security talk

CRICS
Centre for Research in Information and Cyber Security

Cyber Security Poster Contest
Security-Awareness Board Game
SACSAA Website

Welcome to SACSAA
The South African Cyber Security Awareness Alliance (SACSAA) is a registered non-profit organisation established to raise awareness and promote the importance of Cyber Security in South Africa.

Rules
Players roll a 12-sided die and must select one of the red, blue, or green boxes. The numbers on the boxes correspond to the numbers on the die. Players must choose the correct box and follow the instructions.

Nelson Mandela Metropolitan University
Why cyber safety?

We have a culture of personal safety

Parents teach their children how to lock doors, look left & right before crossing the street, etc.

Most parents do not know how to stay safe online themselves

South Africa has the 3rd highest percentage of cyber crime victims in the world.
What is the Calendar Contest?
Cyber safety curriculum for primary schools

A CYBER safety curriculum for primary schools to empower teachers in Nelson Mandela Bay to teach learners to be cyber safe was launched at NMU last week.

The Group for Research in Information and Cyber Security (GRICS) at NMU has developed a curriculum to teach cyber safety to learners in primary schools.

The goal of this curriculum is to empower teachers to offer cyber safety lessons and to educate learners in the 10 to about 14 age group the basic principles of cyber safety relevant to their typical activities in cyberspace.

“Cyber theft” and “protect yourself against viruses” are included in the curriculum. The proposed curriculum makes it easy for teachers to present, discuss and assess various aspects of cyber safety with their learners in class or in an IT laboratory, says NMU’s Professor von Solms.

However, “Along with all these advantages in cyberspace, comes a whole series of cyber related risks. Sharing too much private information, cyber bullying, exposure to paedophiles, sexting and losing money are merely a few of these modern day cyber-related risks we need to contend with and educate our children about,” adds von Solms.

During the launch of a free curriculum with 24 lesson plans for teachers, associated discussion questions, assessment worksheets and memos was made available.

During this workshop the annual Cyber Safety Poster Competition was also launched. The objective of the poster competition is for primary school learners to design posters that depict cyber safety messages.
Our Mascots

CyberGuardian Sid

8 mutual friends including Rayne Reid and Bertram Haskins
Also lives in Port Elizabeth, Eastern Cape
Studied at Nelson Mandela Metropolitan University
Born on 6 August 1996
16 years old

Post Photo/Video
Write something...

CyberGuardian Sid changed their profile picture.
27 October 2014

Friends · 11 (8 Mutual)
E-learning content

The Cyberspace Chronicles

Staying Safe online with Cyber-Cyd & Friends

Chapter 1: A Day at the Park...

Little Red Riding Hood and the Wolf

And then...

Chapter 1 Review

Joyce, my name is Cyber-Cyd. What happened to Red, Mary and Goldilocks? Was the mystery man not on Earth? Why did he or she do that? I think we should investigate first. Let's start from the beginning.

Family Red invites her friends out for a picnic.

Little-Rod Riding Hood

Mary Job Lamb

Goldilocks

Count me in

Would you talk to a stranger?

Yes

No

Good, never talk to a stranger.

No, you should never talk to strangers, if they talk to you, call your teacher, mom, dad or a grown up you.
Who are the winners?
Where does our engagement project fit?

## Engagement across all four categories

<table>
<thead>
<tr>
<th>Community Service</th>
<th>Discipline Based</th>
</tr>
</thead>
<tbody>
<tr>
<td>• School visits</td>
<td>• Security Awareness week</td>
</tr>
<tr>
<td>• Curriculum for Teachers</td>
<td></td>
</tr>
<tr>
<td>• Radio Talks</td>
<td></td>
</tr>
<tr>
<td>Teaching and Learning</td>
<td>Research</td>
</tr>
<tr>
<td>• B Tech Students create content</td>
<td>• M &amp; D students</td>
</tr>
<tr>
<td>• NMMU SLP</td>
<td>• Many publications</td>
</tr>
</tbody>
</table>
Who Benefits?

Children

Teachers

Parents
Internal

- ICT Services
- Our Students

External

- SACSAEA
Research Outputs

2014


Other Considerations

Interdisciplinary Psychology, Law, Education

Challenges
Time
Budget cycles

Benefits for us
Applied research
Lots of Problems for Post Grad students
Lesson Learned?

Successful Projects take TEAMWORK
If at first you don’t succeed, REFLECT and try again

What can the NNMU do to support us?

Longer funding terms with less interim reporting
Questions or Comments?