WhatsApp: Creating a virtual teacher community for supporting and monitoring after a professional development programme

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The introduction and use of online social media networks in education has provided a variety of unique methodologies in support of teaching, learning, and knowledge gathering. The presence of these networks has created opportunities to hear the voice of the teacher. This study explores how teachers and officials from a rural district in South Africa used the WhatsApp platform as a virtual community of practice to aid in monitoring and support after attending a professional development programme. The data used in this study was collected from the WhatsApp conversations held amongst teachers and officials. This data was analysed within the conceptual framework of social learning and social networking. The findings derived from this study show that the effective use of an online social media network to support a virtual community of practice is dependent on the participants’ awareness of the context within which the community exists and the willingness of the participants to accept differing views and opinions.

**Keywords:** community of practice; Millennium Development Goals; social learning; social media; social networking; teacher professional development; virtual community of practice; WhatsApp

**Introduction**
In a developing world, education is instrumental in alleviating poverty. In 2002, the United Nations published the eight Millennium Development Goals (MDGs) to support developing countries in achieving parity with developed countries. The second of the eight MDGs was aimed at ensuring universal primary education for all by providing access to quality education. Information Communication Technology (ICT) has been identified as a key enabler to accelerate the realisation of the MDGs (Christie, 2008). However, in the South African context, ICT alone will not guarantee a quality education system. According to Moloi, Gravett and Petersen (2009), a quality education system requires a teaching force that possesses the appropriate knowledge and skills essential in the digital age.

Securing such a teaching force depends on the effectiveness of the teacher professional development (TPD) programmes offered to the teachers (Shohel & Banks, 2012). A successful programme is not purely about attendance, but also dependent on the post-TPD monitoring and support teachers receive (Niess, 2011). Post-TPD monitoring and support can be hindered by factors that include workload, time constraints and distance between teachers and officials. Could these hindrances be reversed with technology?

The introduction of Web 2.0 technology saw a transition from inert web platforms to more dynamic platforms like Facebook, YouTube, Twitter and WhatsApp. Web 2.0 supports greater user interactivity and collaboration with improved communication channels (Owen, Grant, Sayers & Facer, 2006). These platforms allow users to form like-minded online communities, while issues of distance and time are negated.

**Background**
In 2013, the Human Sciences Research Council (HSRC) developed the Teacher Assessment Resource for Monitoring and Improving Instruction in the Foundation Phase (TARMIIfp). The software consisted of a bank of assessment items that are aligned to the Curriculum and Assessment Policy Statement (CAPS).

The aim of the TARMIIfp study was to determine if use of the software by the teachers would influence learner performance in literacy.

The study was implemented in the Limpopo, Free State, North West (NW) and Mpumalanga provinces of South Africa, and comprised two components. The first was the TPD programme that teachers attended; the second was the school-based monitoring and support provided to the teachers who attended the TPD. The TPD training programme consisted of two modules: the first module focused on assessment in the Foundation Phase; the second focused on use of the TARMIIfp software. As part of the research design, training, monitoring and support of teachers was facilitated by the e-learning and curriculum officials of the district office.

In this paper, the focus will be on the North West Province. The North West Province is predominately rural with a few urban centres. It comprises four education districts, with each district being divided into circuits. The TARMIIfp study was conducted in circuits East and West in District B.

**Nature of Problem**
Teachers who attended the TPD programme were supposed to receive a series of school-based monitoring and support visits conducted by the NW officials. The ICT based training programme attended by teachers was
successful. However, initiating and sustaining the monitoring and support component was problematic. This was due to the fact that officials had to travel vast distances to monitor and support individual teachers. As a result, only few teachers were monitored and supported in the first month. Teachers who were initially excited about using the software now felt isolated, with no support from the officials. In an attempt to address this problem, the teachers and officials from District B created a WhatsApp group, the formation of which was not part of the TARMIfp research design, but proved critical in the context of the problem.

Statement of Purpose
The purpose of this paper was to explore how teachers and officials from a rural North West district used WhatsApp as a platform to create a virtual community of practice to serve as a monitoring and support platform after attending a professional development programme.

Literature Review
Advancements in technology have brought changes in how people interact, communicate and learn (McLoughlin & Lee, 2008). However, education has been slow to embrace technology for teaching and learning (Lautenbach, 2011).

Teacher professional development in the 21st century
To achieve universal primary education, it is essential that teachers acquire the relevant content knowledge, technological skills and pedagogical knowledge (Mamba & Isabirye, 2015; Shohe & Banks, 2012). However, Buczynski and Hansen (2010) and Jita and Mokhele (2014) conclude that in order for teachers to acquire these competencies, they need to attend intensive TPD programmes.

The traditional approach to TPD, which saw in-service teachers attending training, will not, in itself, improve teacher competencies (Steyn, 2011). For change to take place, Niess (2011) and Smylie (2014) suggest that TPD programmes ought to comprise subject-specific training, followed by continuous monitoring and support after the training event. Conducting monitoring and support is not easy, as it is often hampered by issues of teacher workload, time, and distance between teachers and officials. However, Schlager and Fusco (2003) recognise that post-training support can be addressed using collaborative teacher communities. This view is supported by Smylie (2014), who suggests that these communities would also promote collaborative learning. However, Luft and Hewson (2014), as well as Mestry, Hendricks and Bisschoff (2009), argue that in order for collaborative learning to take place, teachers within these communities must provide and receive immediate support from peers. So, within a rural context like the NW Province, geographically dispersed teachers will still encounter a challenge in receiving immediate support and feedback from the community (Coto & Dirckinck-Holmfeld, 2008).

With the growth of social media, real-time communication and collaboration within a community is now a reality (Amry, 2014; Roman & Wertlen, 2008). Social media can be used to support and monitor teachers and officials through the formation of online communities of practice (CoP) (Luft & Hewson, 2014; Mushayikwa, 2013).

Communities of practice in the 21st century
A CoP is an assembly of individuals who come together to engage regarding a common concern, so as to improve or solve a given situation (Coto & Dirckinck-Holmfeld, 2008; Jita & Mokhele, 2014). According to Wenger (2011), a CoP has three elements, viz.: domain, identifying the common interest of the group; community, including members of the group who participate in activities and discussions regarding the domain; and practice, referring to the group of individuals in the domain who are practitioners or specialists.

Within the education space, teachers regularly encounter common problems and concerns. Little (2003) posits that teachers can work collectively to address these problems, and support one another’s professional growth. With the advancement in technology, can technological advancements be used to transform a CoP?

With the introduction of Web 2.0 technology, web platforms have become more dynamic, and this has led to the growth of virtual communities of practice (VCoP) (Gülbahar, 2014; Susilo, 2014; Vanwynsbergh & Verdegem, 2013). A VCoP uses social media to support online community interaction, collaboration and learning (Malecena, 2016). The benefit of an education VCoP, as suggested by Aburezeq and Ishtaiwa (2013) and Wenger (2011), includes providing teachers and officials with a platform to air their concerns and receive real-time support.

According to Surowiecki (2004), a VCoP is a platform for the wisdom of crowds, and it is through these communities that teachers can create collective intelligence and promote the generation of new, fresher, richer, and more sophisticated ideas in support of teaching and learning (Jita & Mokhele, 2014; McLoughlin & Lee, 2008). The growing use of VCoPs is supported by the expansion of social media, and this could have positive implications for teaching and learning (Yang, 2009).

WhatsApp as a social media platform
The past two decades have seen growth in the use of social media platforms (SMP) for social interaction, trade, commerce, technology, and
In education, key players have been hesitant to embrace SMPs for supporting teaching and learning (Sayan, 2016). Malecela (2016) stresses that SMPs can assist teachers to form VCoPs that could support teaching and learning. This view is supported by Sayan (2016), who explains that SMPs like WhatsApp could help to support collaborative information discovery, collaborative learning, and knowledge sharing by teachers.

As at February 2017, WhatsApp was the second most widely used SMP, with 1.2 billion users, while Facebook lead with 1.9 billion users (Sparks, 2017). The lure behind WhatsApp lies in its ease of use and compatibility with most digital devices and operating systems (Kharade, 2016; Sparks, 2017).

The versatility of WhatsApp lies in its ability to create groups and then allows the sharing of text messages, chats, images, audio, video, and web links within the group (Bouhnik & Deshen, 2014; Sayan, 2016). In a digital world, where ubiquitous computing and demand-driven learning are the norm, it is crucial for all members to become active participants and co-producers of content and learning processes, rather than mere recipients (McLoughlin & Lee, 2008).

**Conceptual Framework**

The introduction and use of the WhatsApp platform as a VCoP by teachers and officials was not part of the study design, but occurred as a result of the monitoring and support component of the study. A VCoP is shaped by two streams: the first stream relates to social networking within the community, and the second relates to learning within a social structure.

A conceptual framework helps guide the analysis of collected data, which supports knowledge generation and an understanding of the concept or concepts under study (Ndlovu & Hanekom, 2014). The suggested framework for this paper embraces the two streams of a VCoP by integrating Gunawardena’s Social Networking Spiral (SNS) and Wenger’s Social Discipline of Learning (SDL).

![Social discipline of learning and social networking spiral](image)

**The conceptual framework shown in Figure 1 comprises three aspects:** (1) the Social Media Wheel; (2) the SNS; and (3) the SDL. This framework will be used to support and explain conversation extracts taken from the NW WhatsApp VCoP.
aging, picture sharing, file sharing and video file sharing.

The social networking spiral and the social discipline of learning

The next part of the framework fuses the SDL phase with the SNS stage.

Phase 1: Learning partnerships

A VCoP learning partnership is built on recognition, engagement and negotiation between members of the community. The learning partnership in the community is dependent on the context and discourse of the community (Wenger, 1998).

Context: This is the unique contextual experience, knowledge and insight that individual members bring to the VCoP, which, in itself, exists in a specific context.

Discourse: Individual members of the VCoP assimilate their unique experience, insight and knowledge through discussion, agreement or disagreement.

These interactions in the VCoP lead to the formation and acceptance of a state of negotiated meaning by the community (Gunawardena, Herrmans, Sanchez, Richmond, Bohley & Tuttle, 2009).

Phase 2: Learning governance

The process of learning governance occurs when members seek mutual agreement and alignment regarding common problems and concerns that confront the community (Wenger, 1998). Action must be taken by members to reach mutual understanding of the problem, which allows members to reflect on their perceived views.

Action: Members use the online community to address and solve common problems through collective action and intelligence.

Reflection: The convergent and divergent views of members are heard and reflected upon, which may result in a change in attitude or understanding at an individual or group level (Gunawardena et al., 2009).

Phase 3: Accountability and learning citizenship

To ensure that learning occurs in the community, it is imperative that members respect and accept individuality and accountability as individuals within the community. Reorganisation and socially mediated metacognition in the group must occur in order for learning to take place.

Reorganisation: Individual members explore the reasoning and views of peers, which leads to de-construction followed by re-construction of ideas and knowledge of common concern.

Socially Mediated Metacognition: Individual members of the community offer their thoughts for scrutiny and critiquing, so as to reach a state of mediated and negotiated understanding.

From this point onwards, the NW TARMIIfp WhatsApp group will be referred to as the VCoP.

Methodology

Approach to Inquiry

As the VCoP was not part of the research design, no data collection instruments were developed. As a result, the conversations that occurred in the VCoP became the primary source of data for this paper. The conversations were extracted using the WhatsApp email export facility. The issue of ethics concerning the use of these conversations was resolved, as teachers and officials signed an official consent form, which gave the research team consent to use all conversations on condition that the anonymity of individuals and schools was ensured.

Participants

In the NW study, the schools were sampled and not the teachers. The sample consisted of 20 primary schools and three volunteer Foundation Phase teachers per school. Of the 60 teachers who formed the NW study group, only 18 opted to join the VCoP; two district officials also joined. As alluded to earlier, the formation of the VCoP was not part of the study design, and therefore the teachers joined the community of their own free will. As a result, the number of teachers was not constant, but varied during the course of the study. Towards the end of the study, there were 11 teachers in the VCoP, which meant that seven teachers left the VCoP.

Data Collection

The data used in this paper was extracted from the teachers’ VCoP (WhatsApp) conversations. These conversations were exported into MS Word, saved on the HSRC’s secured shared drive and backed up on an external drive.

Data Analysis

Thematic analysis is a flexible and useful qualitative research tool that provided a rich and detailed account of the conversations extracted from the VCoP (Vaimoradi, Turunen & Bondas, 2013). The extracted MS Word text was exported into NVivo 10, a qualitative data analysis software tool. The analysis of the data was guided by the Braun and Clarke (2006) Six Steps of Thematic Analysis method, i.e.:

- **Familiarising with the data** - required a thorough understanding of the VCoP conversations and the context.
- **Generating initial codes** - multiple codes were generated based on important aspects of the conversations. This led to the formation of broad themes.
- **Searching for themes** - relevant extracts from the conversations were combined or split, which resulted in broad themes being determined.
- **Reviewing themes** - the broad themes were then combined, refined, separated, or discarded, which led to new concise themes that overlapped with the phases and stages of the conceptual framework.
- **Defining and naming themes** - the revised themes were then assigned names, as per the conceptual framework.
- **Producing the report** - the final stage used the various extracts by relating these to the themes and literature. The narrative relayed the findings of the textual analysis and was more than a description of the themes.

**Findings**

The findings of the study are presented against the phases of the Social Discipline of Learning model (SDL).

**Phase 1: Formation of Learning Partnerships in the WhatsApp Community**

**Context of the community**

**WhatsApp: 17/03/2014 to 20/03/2014**

**Extract 1**

2014/03/17, 2:27 PM – **Official 1**: It is important that we all know why we have this group and that all must work together. 2014/03/17, 2:30 PM – **Teacher 4**: Thank you, so when we have problems we can talk at any time [...] I think it will be great for us. 2014/03/17, 2:30 PM – **Teacher 1**: Please make sure we do not use phone in the class, we must be teaching. We can chat after school or in break. People will think we playing games then. 2014/03/17, 2:31 PM – **Teacher 5**: But who will control this group? [...] I think it will work if we all talk. We can share our ideas and work together since we all have experience teaching for so long. 2014/03/17, 2:35 PM – **Official 1**: Colleagues I think we all have the experience in teaching, let's learn from one another. No one should lead this group. I will just make sure that we don't move away from the purpose of this group. Ok?

**Extract 2**

2014/03/19, 3:15 PM - **Teacher 3**: Hello ladies n gents. This will be great, need to buy more airtime now that we doing school work. Do we use English? 2014/03/19, 3:25 PM - **Teacher 22**: Thank u, think we all ok with English. Is that fine ladies? 2014/03/19, 5:25 PM – **Teacher 7**: See we all agreed on English, I am fine with that. Please no fun if we make mistakes. 2014/03/20, 8:12 AM - **Teacher 3**: Ladies please don’t feel we are forcing you to use English, we can also chat in Tswana. If you feel ok with that. All of us can speak both languages.

**Discourse within the community**

**WhatsApp: 09/04/2014 to 15/04/2014**

**Extract 3**

2014/04/15, 8:12 AM - **Official 1**: Ladies, I see that all of you have managed to complete two formative tests [...] that’s great [...] Odirele sentle²⁵ 2014/04/15, 11:30 AM - **Teacher 6**: the CAPS document said we must do two tasks in this term for Grade 3, not sure why some of you are saying three. 2014/04/15, 12:05 PM – **Teacher 2**: Hi there, for Grade 1 and 2, it is two, but for Grade 3 for Home Language (HL) it is three, for Grade 3. Check your policy document. I took a photo. Hope it helps.

2014/04/15, 2:31 PM - **Teacher 6**: tnx, didn’t see that.

The context in which members of the VCoP interact is central to an effective learning partnership. The finding around the issue of context is clearly evident in extracts 1 and 2. In Extract 1, the issue of context relates to the work environment. Teacher 4 appreciates the flexibility of communicating on WhatsApp, but is reminded by Teacher 1 that they cannot interact and converse during teaching contact time. In Extract 2, the issue of language comes to the fore, especially the use of indigenous African languages within the VCoP. The community accepts to use English over Tswana. However, Teacher 7 showed some apprehension about using English as it is not her first language. However Teacher 3 suggests that colleagues should be free to use either English or Tswana. Although the teachers opted to use English over Tswana, the apprehension shown by Teacher 7 brings to the fore the question of the use of an indigenous language in the digital space, and whether this issue contributed to the withdrawal of the seven teachers from the VCoP. This inference is inconclusive, opening up the opportunity for further research.
reached. Extract 3 provides a good example of how teachers used the process of discourse to clarify varying and contradictory views and perceptions regarding the number of required assessments per term, as specified by the CAPS policy. To support the discourse, Teacher 2 shared an image of a CAPS policy item to support the official policy requirements.

Phase 2: Achieving Learning Governance in a WhatsApp Community

Action within learning governance

WhatsApp: 07/05/2014 to 21/05/2014

Extract 4
2014/05/07, 7:37 AM – Teacher 1: I got two new learners in my class today, I want to add them into the class list on TARMII. But there is a message that comes up, it doesn’t want me to add. Did anyone have same problem?
2014/05/07, 9:41 AM – Teacher 9: Mine did the same last month. Dunno what I did but it worked then.
2014/05/07, 9:42 AM – Official 2: Any ideas? Did you try to type names in? Maybe you using wrong method. Try it again but this time delete old names.
2014/05/07, 11:15 AM - Teacher 1: Not sure what you mean sus… saved one name at a time. Did not work.
2014/05/07, 11:17 AM - Teacher 7: You must make sure that you logged in as the correct grade teacher. I had same problem, I made that mistake.
2014/05/07, 1:37 PM – Teacher 1: Thanks, it worked. It was I a grade 2 account. Thank you so much.

Extract 5
2014/05/21, 11:17 AM - Teacher 13: Colleagues, I have created a test, but when I want to print it the test wont open. Where must I open it. I need help.
2014/05/21, 12:04 PM - Teacher 7: Hi sus, did you two times click the icon? I also had a same problem, you must click it two times fast. It is a red and white picture with a picture of a fan.
2014/05/21, 12:17 PM - Teacher 13: I can’t see that, I just see a white page with test name and it wont open.
2014/05/21, 12:30 PM - Teacher 7: No you doing something wrong. Try again, you must see that red fan.
2014/05/21, 1:17 PM - Teacher 6: Sus, do you have pdf reader?
2014/05/21, 1:17 PM - Teacher 13: What is that? Not sure.
2014/05/21, 1:17 PM - Teacher 6: It is software that will help you to read your test. Check on the dvd® that HSRC have us. Open it and you will see a file called Adobe Reader. Double click it and then follow what it says. Call me if you he problems.
2014/05/21, 3:21 PM - Teacher 13: Thank you. It works. Thank you so much all.

With the formation of the VCoP, members need to address common problems or concerns through a collective approach that results in specific and deliberate discourse and action. In Extract 4, Teacher 1 experiences a problem with adding new learners onto her existing class list. Teacher 9, Official 2 and Teacher 7 attempt to assist by suggesting possible action that could be taken. Teacher 7 then acknowledges that she made the same error earlier and suggests a simple solution. Later in the day, Teacher 1 reports back to confirm having overcome the issue. In Extract 5 we see that Teacher 13 is not able to print the PDF version of the test. Teachers 7 and 6 both offer assistance. Teacher 6 starts off by trying to locate the error and then leads Teacher 13 to the solution, which is found on the software installer DVD. Both Extract 4 and 5 show how the teachers, as a collective of the VCoP, assisted with solving problem.

As members have divergent views regarding a problem or concern, reflection is needed at group level so that attitudes and understanding can be adapted. In Extract 6, two groups of teachers with differing perspectives on ICT are in conversation. Teachers 8 and 12 claim that although they like the software, it is creating more work for them. On the other hand, Teachers 1 and 9 seem to be pro-technology and try to argue the value of ICT, especially TARMII® in teaching. In the course of the conversation, Teacher 8 indicates that she will try to use it at least once a week. Teacher 9 then reminds the group that the software does not have to be used daily, since it is a formative assessment tool and can be used when applicable.
Members of the VCoP need to re-construct shared ideas and knowledge and ultimately reorganise these as a collective community understanding of the problem or concern. In Extract 7, teachers discuss their concern regarding the use of CASS. CASS is the strategy of continuous assessment of learners. The point of dispute raised by Teacher 8 is whether or not the CASS framework recognises homework as a form of assessment. Teachers 2 and 7 share the concerns of Teacher 8 regarding the mixed messages they are getting from their advisors. As a collective, the teachers of the VCoP suggest a virtual meeting on the WhatsApp platform to try to address the confusion that exists in the group.

Socially mediated meta-cognition within a WhatsApp community

Extract 8
2015/09/17, 2:12 PM - Teacher 7: We had a school visit today from HSRC, they asked if we were using the TARMII. I told him it is good but we got too much work so we don’t use it a lot.
2015/09/17, 2:22 PM - Teacher 4: But I think we must also be willing and not scared to use computers. I actually think it can help us. We asked our principal to see if he can get us more training.
2015/09/17, 2:34 PM - Teacher 7: But ******, we have so much to do, I don’t think computers will help us, more that we teaching in the foundation phase. He must rather take TARMII to higher classes.
2015/09/18, 3:12 PM - Teacher 9: Computers are important in schools. The children liked it when I opened Google and showed them pictures today about London. They like my lesson. They in grade 2.
2015/09/18, 3:17 PM - Teacher 11: I also like it, but I need more training. They must train us to use it every day to look for things - not only TARMII.
2015/09/17, 3:20 PM - Teacher 4: Yes, he came yesterday. I told him I use it but not always. I told him he must ask the department to give us more time after school to use TARMII. I will see what I am gonna do.

In the final stage of social networking, it is important that members of the VCoP share their thoughts and perceptions regarding a problem or concern so that the community can argue and critique their views. In Extract 8, Teacher 4 questions the practicality of technology and more specifically TARMIIp for teaching and learning in the Foundation Phase. This view is challenged by Teachers 7, 9 and 11, who argue the benefits of technology in education. Teacher 9 then gives an
example of how she used Google to expose her learners to a topic and that the learners were in Grade Two.

**Discussion**

According to Gon and Rawekar (2017), social media platforms like WhatsApp can play a critical role to support teaching and learning in an online community. The findings from the current study emphasise the role played by contextual factors in the formation of a VCoP and the readiness and willingness of the VCoP to accept and support varying views and opinions so as to reach a state of collective action, understanding, and learning.

These findings were reinforced in the early work of Aburezeq and Ishtaiwa (2013) and Ndlovu and Hanekom (2014), who acknowledged that active participation in a WhatsApp community is decidedly dependent on and influenced by the process of monitoring and support amongst the community members. Amry (2014) further suggested that the active participation within a WhatsApp community can lead to increased motivation and collaborative learning amongst members of the online community.

Preceding studies on the use of the WhatsApp platform in education essentially reflected on the relationship between teacher and student (Aburezeq & Ishtaiwa, 2013; Amry, 2014; Gon & Rawekar, 2017; Ndlovu & Hanekom, 2014). On the other hand, the current WhatsApp study used the lens of social learning and social networking to explain the relationship between teachers and officials for the purpose of monitoring and support after a TPD programme. The findings from this study can, in the future, serve to support the use of social media (WhatsApp) in TPD programmes, as well as the creation of VCoPs to help sustain the monitoring and support component.

The findings from this study created opportunities for possible further in-depth research in:

1. the use of the social media to promote professional development of teachers in rural areas;
2. the use of WhatsApp as a platform to initiate and sustain monitoring and support of teachers by education officials; and
3. the role social media platforms play in the use and promotion of Indigenous African languages in the digital space.

**Conclusion**

The 21st century has seen many demands being placed on the South African teacher, of which teaching and preparing learners to live and work in this century is central. To achieve this end requires the teacher to be competent in both the subject content as well as pedagogical methods appropriate to the 21st century (Wetzel, Zambo & Buss 2000). In an effort to achieve this level of competency, TPD programmes aimed at empowering South African teachers with the necessary 21st century knowledge and skills have become the norm in teacher development (Jita & Mokhele, 2014; Mestry et al., 2009; Steyn, 2011). However, research shows that in order for teachers to preserve and use the knowledge and skills acquired during the TPD programmes, post training monitoring and support becomes essential (Buczynski & Hansen, 2010; Coto & Dirckinck-Holmfeld, 2008).

This paper reported on how a small group of teachers and education officials from a rural district in the NW province of South Africa utilised the WhatsApp platform to serve as a VCoP to sustain the monitoring and support component of the TARMIIIip TPD programme. The findings from the study showed how teachers and officials effectively used the WhatsApp platform to address and resolve problems and misunderstanding around the software as well as curriculum and assessment related matters. What the findings emphasised is that in order for the platform to sustain and promote monitoring and support in a VCoP, it was essential that members of the VCoP must understand and appreciate the importance of the context of the community as well as the diverse views and opinions of the community.

**Notes**

i. Foundation Phase refers to Grade 1, 2 and 3 of the South African education system.
ii. CAPS: This is the official education curriculum of South African schools.
iii. Pseudonyms are used in place of the actual District and Circuit names.
iv. Tswana for “Well done!”

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