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DOING DIGITAL OFFLINE – THE COVIDEO PROJECT

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Unizulu Science Centre (USC) has been running face to face matric workshops for 25 years, presenting practicals and sharpening skills for over 200 000 matric science students. The 2020 lockdown presented a dilemma: matrices needed assistance more than ever, but schools were closed and large gatherings impossible. Many SC's around the world went online, making digital content available through the internet. Very few of the schools in which USC works have reliable internet and almost none of the homes, so this route was not possible. USC worked to convert a 4 hour contact workshop into 8 one-hour videos, highlighting the essential skills for Matric Science Paper 1 – the physics paper. While these videos were made available on the internet for download or streaming, they were physically distributed on memory sticks to teachers, along with an accompanying 48-page workbook. Local industry funding saw provision for the King Cetshwayo district (5500 students in 180 schools) and further SAIP funding (with support from Allan Gray) saw a further 20 000 booklets printed and 500 memory sticks manufactured. These were distributed to schools in 3 other provinces and used as the basis for teacher training.

Now, in 2021, the Physics booklet and videos have been extensively rewritten and refilmed, adding about 50 % more content and updating with 2020 exams. In addition, projects are underway to make a video series for Life Science and Chemistry. Evaluation has been conducted to try to measure the effectiveness of this method and for further improvement. Valuable lessons learnt in the process will be shared.

Apply to be considered for a student ; award (Yes / No)?

No

Level for award;(Hons, MSc, PhD, N/A)?

N/A

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