

Andragogical Approach to Teaching and Learning Practical Work in Science: A Case of In-service Training of Teachers

Abraham Motlhabane¹ and Mpho Dichaba²

College of Education, Unisa, South Africa

E-mail: ¹<motlhat@unisa.ac.za>, ²<dichamm@unisa.ac.za>

KEYWORDS Practical Work. Constructivist Theory. Andragogy. Advanced Certificate in Education. Adult Learner. Facilitator

ABSTRACT Practical work always challenges teachers. The execution of practical work in the classroom is a major challenge. The study reported in this article explores how in-service teachers (adults) acting as learners model practical work in school laboratories. Empirical evidence shows that teachers learn best from one another's lessons. A purposive sample of 46 teachers participated in this study. Eight video recordings of teachers doing practical work in science classrooms were analysed. The results of the study show that teachers can acquire valuable skills through role-play.