

## **The Convergence between Science Practical Work and Scientific Discourse: Lessons Learnt from Using a Practical Activity to Encourage Student Discourse**

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**Abstract :** In most practical-related science lessons, the focus is on completing the experimental procedure as directed by the teacher. However, the scientific discourse among learners themselves and teacher-learner discourse about scientific processes, scientific inquiry and the nature of science should play an important role in the teaching and learning of science. This means the incorporation of inquiry-based activities aimed at sparking debates about scientific concepts. This article analyses a science lesson presented by a teacher to his colleagues acting as learners. Six lessons were presented and transcribed. One of the lessons has been used for this study as the basis for the events as they unfolded during the lesson. Data was obtained through direct observations and the use of a predetermined observation schedule. Field notes were compiled during teacher preparations and the presentation of the lessons.

**Keywords :** discourse, inquiry, practical work, science, scientific

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