

INCLUSION OF ENVIRONMENTAL EDUCATION IN THE TEACHING OF THE
BIOLOGY CURRICULUM FOR GRADES 10 TO 12

By

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DECLARATION

I declare that

**INCLUSION OF ENVIRONMENTAL EDUCATION IN THE TEACHING OF THE
BIOLOGY CURRICULUM FOR GRADES 10 TO 12**

is my own work and that all the sources I have used or quoted, have been
indicated and acknowledged by means of complete references.

SIGNATURE

(Mrs E.J. DE JAGER

DATE

ABSTRACT

The purpose of this study was to develop a Life Sciences programme, integrating Environmental Education, on environmental endocrine disruptors, for the Further Education and Training Phase of the Outcomes Based Educational System. This programme aims at giving learners the necessary knowledge and skills to limit their exposure to Endocrine Disrupting Chemicals (EDCs). The programme was evaluated by means of a quantitative study. Group-administered questionnaires were used to gather information before and after the programme had commenced. Lickert scales were used to establish the learners' knowledge, attitudes and values in connection with EDCs and the environment before and after the learners had followed the programme on EDCs. The results of the study indicated that the programme proved to be successful in increasing the knowledge of the target group in connection with EDCs. This study will contribute to the process of integrating Environmental Education in the Life Sciences curriculum.

Key words:

Environment, Environmental Education, Biology, Life Sciences, Endocrine Disrupting Chemicals, Life Sciences Programme, Environmental Educational Programme, Sustainability, Environmental Literacy, Curriculum, Further Education and Training Phase, Outcomes Based Education

To Tiaan, Zani and Ian

Thank you for sharing my
love for nature
and dedication
to protect our environment.

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