



SCIENCE

ESSENCE OF INQUIRY TEACHING (SCIENCE)

OVERVIEW

This module examines and develops the powerful effects of teaching through inquiry and supported teachers as they develop the complex instructional skills required to manage an inquiry-based classroom.

LANGUAGE

English

TIME

2.00—4.30pm

DURATION

5 hours (2 sessions)

TARGET PARTICIPANT

All science teachers

METHODOLOGY

- ◆ Whole group interaction
- ◆ Group play
- ◆ Individual and Group Presentations
- ◆ Work-based Case Work
- ◆ Hands-on activities

LEARNING OUTCOMES

On successful completion of this module, teachers will have:

Knowledge and understanding

- Increase intellectual engagement on inquiry based teaching

Professional / Practical skills

- Enhanced professional practice through the application of knowledge, skills and understanding developed throughout the module

Transferable (key) skills

- Critical reflection on their own beliefs and classroom practices.
- Acquired Inquiry-based teaching in order to facilitate authentic inquiry learning environment

CONTENT

- Introduction to Inquiry-Based Teaching and Learning
- Models Used for Inquiry-Based Teaching and Learning
- Characteristic of an Inquiry-Based Lesson
- Plan and Design Learning Activities focused on Inquiry-Based Teaching and Learning