

Educating for a Sustainable Future – A New Senior Secondary (NSS) On-line Education Resource Library Based on Real-life Industry Experiences

Hong Kong Productivity Council

Background

The project focuses on designing and developing an on-line educational resource library on sustainable development for senior secondary school teachers and students, based on real life industry experiences. The resource library will allow teachers of secondary schools to extract the required teaching materials of specific subjects in the form of PowerPoint presentation, video clips, laboratory experiment model kit design blueprint and training materials in preparation of their curriculum. Students are encouraged to put principles learnt into practice through learning from real-life experiences and contribute to their career aspirations.



Objectives

The programme aims to achieve the following objectives:

- To provide practical information, knowledge, reference teaching materials and experiment design blueprint on the focus topics of sustainable development in a more lively and practical manner.
- Help students make informed decisions in their daily lives and career choices in the future.
- A game-based self-assessed test platform will allow teachers and students to assess students' knowledge on the above topics.
- To help teachers of secondary schools to have easy and free access to ready-made teaching materials on various topics in practical and relevant to real life experiences.
- To demonstrate best practices and work related experiences on sustainable development to senior secondary school students through company visits.
- To promote wider community engagement including industrial, commercial and service sectors on sustainable development.

Project Contents

Design and develop the “On-line Sustainable Development Education Resource Library Platform” for senior secondary school teachers and students, covering the following five aspects:

- Renewable energy
- Carbon reduction & audit
- Green ICT
- Nano technologies in cleaner production
- Corporate social responsibilities

Launch Ceremony

Conduct launching seminar to publicise the programme.

Teacher Training Workshop

Organise workshops for teachers to gain a better understanding of the programme.

Company Visit

Conduct company visits for senior secondary school students to enhance their career aspirations.