EDUCATION MINISTRY MALAYSIA

INTEGRATED CURRICULUM SYLLABUS
SECONDARY SCHOOL

LANDSCAPE AND NURSERY

PUSAT PERKEMBANGAN KURIKULUM
KEMENTERIAN PENDIDIKAN MALAYSIA
KUALA LUMPUR
2004

RUKUN NEGARA

In accordance to our country Malaysia aims to achieve unity more closely among all societies; to produce a democratic way of life; to create a society that is fair where national prosperity can be enjoyed by just and equitable; to ensure liberal cultural traditions that are rich in various pattern; to build a progressive society using science and modern technology;

WE, Malaysians, pledge to focus all our energy and efforts to achieve the stated goal predicated based on the following principles:

THEISTIC

LOYALTY TO THE KING AND COUNTRY

CONSTITUTION RIGHTS

RULES OF LAW

ETHICAL MANNERS

NATIONAL EDUCATION PHILOSOPHY

Education in Malaysia is a continuous effort towards developing overall individual potential and integrated to produce human balance and harmonious intellectually, spiritually, emotionally and physically, based on the belief and obedience to God. These efforts aim to produce citizens who are knowledgeable Malaysians, outstanding, virtuous, responsible and able to achieve the well-being by contributing to the harmony and prosperity of the family, society and country.

INTRODUCTION

Landscape and Nursery is one of the upper secondary school elective vocational subjects of the Secondary School Integrated Curriculum (KBSM). Pupils who undergo this subject master basic skills in producing ornamental plant seedling, maintain ornamental plant nursery and also planning and building landscapes by using current technology. Landscape and Nursery is the follow-up and expansion to the Integrated Living Skills subject for the lower secondary school. The formation of this subject is an effort by the Education Ministry to upgrade the practical skills and instill entrepreneurial spirit among pupils in the agriculture technology field and thus full fill the national aspiration in establishing a 'Park In The Nation'.

In this subject, pupils are involved in the practical work at nursery sites and areas to be landscaped. They have to plan, build and maintain nurseries and landscapes. Among skills to be mastered by the pupils are identifying ornamental plants used in the landscape industry; carry out plant propagations; developing, designing and drawing landscape plans; building hardscapes and softscapes; maintaining landscapes; and managing related business activities.

This subject is specially planned to cater students who shows inclination and interests in landscape and nursery field.

Career prospects which can be pursuit by school leaving pupils includes running industries or working at nurseries. They also can offer construction and landscape maintenance services.

AIM

The syllabus aims to produce students who are skillful and creative in planning, developing, constructing and maintaining landscapes and nursery projects while practicing safe and good work ethics, and also being able to set-up their own business or contributing to the workforce in the landscape industry.

OBJECTIVES

The Landscape and Nursery Curriculum is to enable students how to:

1. Identify the different types and structures in nurseries and to set up nurseries
2. Identify and select ornamental plants used in the landscape industry
3. Create ornamental plant planting materials
4. Select and prepare plant mediums and containers
5. Managing and maintaining nurseries and

landscapes

6. Design and create landscape plans

7. Build hardscapes and softscapes

8. Manage work well and communicate effectively

9. Prepare simple business plans

CURRICULUM ORGANISATION

The Landscape and Nursery subject is composed of three learning areas. Each learning area contains several learning topics. The descriptions and the list of learning areas and units are as follows:

1. Nursery

In this learning area, pupils identify the different types of nurseries, structures present in a nursery, the classification of landscape plants, plant containers and planting mediums and also steps needed to establish a nursery. The pupils will also learn plant propagation, carry out planting and maintaining plant works at nurseries.

1.1 Introduction

a. Types of nurseries

b. Structures in nurseries

c. Important factors in plant house construction

1.2 Landscape plants

a. Shade trees

b. Shrubs

c. Ground covers and turfs

d. Palm trees

e. Indoor decorative plants

f. Annual plants

g. Orchid

h. Climbers and creepers

i. Cactus and succulents

j. Other plants

1.3 Plant propagation

a. Sexual propagation

b. Asexual propagation

1.4 Plant containers and planting medium

a. Plant containers

b. Mediums

1.5 Planting and maintaining plants

a. Planting procedures

b. Maintaining plants

1.6 Establishing a Nursery

a. Nursery construction

b. Nursery maintenance

2. Landscape

In this learning area, the pupils design softscape and hardscape projects. The pupils analyze sites or areas to be developed into landscape projects. They will be required to successfully carry out and maintain softscape and hardscape construction projects.

2.1 Types of landscape

2.2 Choice of landscape plants

a. Factors of selecting landscape plants

b. Functions of plants in landscapes

2.3 Landscape design process

a. Site inventory

b. Site analysis

c. Landscape design plans

2.4 Creating a landscape

a. Softscape construction

b. Hardscape construction

2.5 Landscape area maintenance

a. Softscape area maintenance

b. Hardscape area maintenance

3. Management and Entrepreneurship

In this area, the pupils will be exposed to good workplace management. They will also practice effective communication skills and appropriate decision-making skills. The pupils will draw up business plans and seek business or industrial opportunities in nursery and landscape fields.

3.1 Workplace Management

a. Good management

b. Work ethics

c. Work rules and regulations

d. Environmental conservations in landscape industry