

DAWOOD PUBLIC SCHOOL
Course Outline for the year 2011-2012
Science
Class-I

Book:

Rinda Yeo, et al.2005/ . Let's Learn Science (Standard 1); science, Marshall Cavendish Education

Syllabus aims and assessment:

Aims

These are not listed in order of priority. The aims are to:

1. Provide, through well designed studies of experimental and practical science, a worthwhile educational experience for all students, whether or not they go on to study science beyond this level and, in particular, to enable them to acquire sufficient understanding and knowledge to
 - 1.1 Become confident citizens in a technological world, able to take or develop an informed interest in matters of scientific import;
 - 1.2 Recognize the usefulness, and limitations, of scientific method and to appreciate its applicability in other disciplines and in everyday life;
2. Develop abilities and skills that
 - 2.1 Are relevant to the study and practice of science;
 - 2.2 Are useful in everyday life;
 - 2.3 Encourage efficient and safe practice;
 - 2.4 Encourage effective communication.

Monthly Syllabus:

August 2011	<ul style="list-style-type: none"> • Growing Plants
September 2011	<ul style="list-style-type: none"> • Growing Plants • Properties of matter
October 2011	<ul style="list-style-type: none"> • Grouping Animals
November 2011	<ul style="list-style-type: none"> • Revision for Mid Term Exams
December 2011	<ul style="list-style-type: none"> • Mid Term Exams
January 2012	<ul style="list-style-type: none"> • Ecosystem
February 2012	<ul style="list-style-type: none"> • Forces
March 2012	<ul style="list-style-type: none"> • Weather
April/ May 2012	<ul style="list-style-type: none"> • Revision For Final Exams • Final Exams

Syllabus Content

1. AUGUST

Growing Plants

Chap No. 1, Pg No.(1-12)

Contents	Learning Out Come	Activities
1.1 What is the structure of a seed? 1.2 What does a seed needs to Grow? 1.3 What are the types of seeds? 1.4 How does a seed grow? 1.5 Which part of the seedling grows	Students will be able to: <ul style="list-style-type: none"> • Arrange seedlings from the new growing part to the start the of the first leaves. • Know seeds need to take in water before they can grow. • Observe cotyledons grow smaller as the seedling grows. • explain the root is the first part of the seedling to grow. It grows downwards, shoot is the second part of the seedling to grow and the leaves of the seedling only grow out after the root and shoot. 	1. Flash cards of structure and types of seeds will be shown. 2. Germination of seeds will be shown by chart papers. 3. Practical of germination of seed Will be done with the help of Gardening teacher.

DAWOOD PUBLIC SCHOOL
Course Outline for the year 2011-2012
Science
Class-I

Teacher's Aid:

Card sheets, markers, poster colours, flash cards, monocot and dicot seeds, transparent pots

2. September

Properties of matter

Chap No.2, Pg No.(51-64)

Contents	Learning Out Come	Activities
2.1 What is matter? 2.2 What are the states of matter? 2.3 Find out the different states of matter amongst the things around us. 2.4 Solids 2.5 Liquids 2.6 Gases	Students will be able to: <ul style="list-style-type: none"> Name different states of matter. Identify solids and liquids. Compare the properties of different states of matter e.g. solids, liquid and gases. 	1. Balloons will be blown and burst In the class to teach them about Gas. 2. Demonstrate them the shape of liquid different bottles of different shapes will be shown and pour the liquid in different bottles that will Make them learn the liquids do not have definite shape. 3. Same practical will be done with the solid things.

Teacher's Aid:

Card sheets, markers, poster colours, flash cards, blocks, marbles, pebbles, balloons, beaker and glass bottles of different sizes and shapes.

3. October

Grouping Animals

Chap No.3, Pg No.(13-30)

Contents	Learning Out Come	Activities
3.1 Keeping animals in shape. 3.2 Bones and skeleton. 3.3 Who has a backbone? 3.4 What are Frogs, toads, birds, lizard's fish and snakes. 3.5 Similar animals can be grouped together. 3.6 Insects have similar body.(why)	Students will be able to: <ul style="list-style-type: none"> Know animals have bones to keep them in a shape. Place animals into major groups Based on the presence or absence of a backbone. Distinguish between animals that Are insects and non-insects. Know insects do not have Backbones. Identify animals with backbones Like mammals, frog, birds, fish and Lizards. 	1. Flash cards of different animals, birds and insects will be shown. 2. Activity day will be celebrated in the school and each student will bring its own flash card with the Description of the particular animal in details like number of Legs, that animal's outer covering About its back bone, number of wings if they have, then they will Be divided into their groups and they solve the pages in workbook. 3. Visit to a safari park or zoo provided them worksheets about Animals and they complete them In the zoo.(marks will added in Exams)

Teacher's Aid:

Card sheets, markers, poster colours, flash cards, different models of animals, model of a skeleton, some original feathers, fish scales, some insects like ant or cockroaches, animals` costumes for the animal day.

November

Revision For Mid Term Exams

December

Mid Term Exams

4. January

Ecosystem

Chap No.4, Pg No.(31-50)

DAWOOD PUBLIC SCHOOL
Course Outline for the year 2011-2012
Science
Class-I

Contents	Learning Out Come	Activities
4.1 What is habitat? 4.2 Types of habitat. 4.3 What can go wrong in an aquatic habitat? 4.4 What are the factors of pollution? 4.5 What are our activities that harm habitats?	Students will be able to: <ul style="list-style-type: none"> Know about inhabitant and habitat of different animals. Identify the effects of pollution on living things. Learn about the importance of trees and the plants how they prevent us from natural disasters. 	1 Visit to nearby beach and plan to Keep it clean by making small Plan and to learn about animals Inhabitant and learn about the factors that make the area polluted. 2. To aware the students about Air Pollution Activity 3.3 from Workbook will be done in the Classroom.

Teacher's Aid:

Card sheets, markers, poster colours, small plants, transparent beakers.

5. February

Forces

Chap No.5, Pg No.(75-86)

Contents	Learning Out Come	Activities
5.1 What is force? 5.2 How do we use force? 5.3 What are the effects of force? 5.4 What happens to the position of an object if it moves?	Students will be able to: <ul style="list-style-type: none"> Identify push and Pull, squeeze and twist when a structure is subjected to a force. Explain how simple mechanisms facilitate movement. Know some objects can be used to make it easier to move heavy things. 	1. Activity 6.3 from workbook. 2. Competition of tug-of-war will different actions 3. Flash cards will be shown of be organized.

Teacher's Aid;

Card sheets, markers, poster colours.

6. March

Weather

Chap No 6 ,Pg no.(99-110)

Contents	Learning Out Come	Activities
6.1 What is the weather? 6.2 Symbols and the types of weather 6.3 Weather forecast. 6.4 Instruments of weather.	Students will be able to: <ul style="list-style-type: none"> Describe weather patterns using data. Demonstrate the use of a record of weather conditions through the use of standard symbols. Studying the weather patterns that help to predict the weather. Name and uses of instrument. 	1. Flash cards of original weather conditions. 2. Activity will be arranged with Geography Teacher. 3. Activity 8.2 from workbook will Be done.

April

Revision for final exams

May

Final Examinations

Teaching Support:

DAWOOD PUBLIC SCHOOL
Course Outline for the year 2011-2012
Science
Class-I

Documentaries, multimedia, presentations, slides, lab will be used.

Resource List:

. My Pals are here , oxford primary science, science success.

Assessment method:

We will assess students by class test, work sheets, class presentation and different group activities.

