

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

Books:

Lu jitan, New Syllabus Primary Mathematics 1 along with practice books 1a& 1b, Singapore; Oxford University Press

Syllabus aims and assessment:

We emphasis on quality education instead of quantity of syllabi. So this year we designed our syllabi in this way that concepts of children should be cleared. We found this year some more things according to our syllabus to fulfill the requirement.

Aims

The aims are to enable students to:

- Develop and apply basic numeracy skills.
- Develop skills in the number bonds, four operations and measurement.
- Develop understanding of shapes.
- Apply mathematics in everyday situations and develop an understanding of the part which mathematics plays in the world around them;
- Appreciate patterns and relationships in mathematics;
- Produce and appreciate imaginative and creative work arising from mathematical ideas.
- All skills are developed in the context of daily living.
- Undertaking the group of units as a coherent whole offers a number of benefits:
 - To deliver an integrated, holistic learning experience.
 - Practical activity may be integrated.
 - Skills and abilities developed through practical activity support learning as a whole.

Assessment Objectives

The abilities to be assessed in the Mathematics examination cover a single assessment Objective, technique with application. The examination will test the ability of students to:

- Judge their mathematical knowledge and oral, written and practical skills in a way which encourages confidence and provides satisfaction and enjoyment;
- Examine their Read mathematics, and write and talk about the subject in a variety of ways;
- Carry out calculations and understand the significance of the results obtained;
- Organize, interpret and present information accurately in written and diagrammatic forms;
- Perform calculations by suitable methods;
- Analyze a problem, select a suitable strategy and apply an appropriate technique to obtain its solution;
- Apply combinations of mathematical skills and techniques in problem solving;
- Set out mathematical work, including the solution of problems, in a logical and clear form using appropriate symbols and terminology.

Monthly Syllabus

August	Revision of 1-digit addition and subtraction, write in words 1- 100 Number Bonds and Number Pattern Write in words and figures from 100 – 200 Odd and Even numbers Ordinal Position Table of 2 and 3
September	Number Sentences 2- digit Addition and subtraction 2 and 3 times table operation (Multiplication) Write in words from 200-350 Right and Left concept of ordinal position
October	Write in words and figures 350-500 3-digits addition and subtraction sums Word Problems related to addition and subtraction(only 2-digits) Table of 4
November	REVISION FOR MID TERM EXAMS
December	MID TERM EXAMS
January	Write in words and figures from 500-650 Comparing and Ordering Place Value Multiplication sums and word problems Basic Shapes and shape Patterns

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February	Write in words and figures from 650 - 800 Division of 2-digits Word Problems related to division Horizontal and vertical addition, subtraction , multiplication and division Table of 5
March	Write in words and figures from 800-1000 Division of 3 digit four operations of 3-digit numbers(Addition, Subtraction, Multiplication and Division) Table of 6
April	REVISION FOR FINAL EXAMS
May	FINAL TERM EXAMS

Syllabus Content

Theme or Topic	Subject Content
<ul style="list-style-type: none"> ● Numbers to 10 Chap No.1 Pg No.1 - 8 ● Number Bonds Chap No.2 Pg No.17 - 20 ● Addition within 10 Chap No.3 Pg No.25 - 36 	<p><i>Students should be able to:</i></p> <ul style="list-style-type: none"> *count and recognize the number, match and compare, Differentiate between more and less or smaller and greater numbers, make number trains. *bond the numbers, group the numbers , make number bonds with the maths balance * add within 10, add with number bonds, look at the picture and make the number bond, make addition stories understand the pictures properly
<ul style="list-style-type: none"> ● Subtraction Within 10 Chap No.4 Pg No.40 - 52 ● Shapes and Patterns Chap No. 8 Pg No.100 - 106 ● Ordinal Numbers (position) Chap No.5 Pg No.56 	<ul style="list-style-type: none"> *subtract within 10,see the picture and subtract properly, subtract with number bonds, understand the picture stories and subtract, solve story sums, make a family number sentences by looking at the picture * trace the shapes, group the shapes, make pictures from different shapes, recognize the shapes, use two shapes to make a pattern on computer * know ordinal numbers, pronounce the number, look and observe the picture and answer in ordinal positions, differentiate between left and right position and answer the questions asked by observing the picture
<ul style="list-style-type: none"> ● Numbers to 20 Chap No.6 Pg No.68 - 72 ● Addition and Subtraction within 20 Chap No.7 Pg No.79 - 94 	<ul style="list-style-type: none"> *know counting in tens, divide tens and units of any given number, differentiate between greater and smaller, recognize smallest and greatest number *subtract and add with number bonds, solve story sums *compare the numbers, add tens and ones, add three numbers with number bonds
<ul style="list-style-type: none"> ● Multiplication Chap No.13 Pg No.173 - 182 ● Division Chap No.14 Pg No.187- 191 	<ul style="list-style-type: none"> *know the grouping for multiplication, know how to make multiplication stories, tell multiplication stories by looking at the pictures and solve story sums. *know how to share equally, find the number of group
<ul style="list-style-type: none"> ● Numbers to 100 Chap No.9 Pg No.112 - 119 	<ul style="list-style-type: none"> *know ten numbers, tie ones and tens, break numbers in tens, add ones to tens and tens to ones, add tens with tens, know how to subtract ones from tens *have the concept of coins and notes, exchange of notes, amount of money Work Sheets of the Related topics shall be done and given.

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Activities:

AUGUST	<ul style="list-style-type: none"> ●Mental Maths ● Maths activity calendar
SEPTEMBER	<ul style="list-style-type: none"> ● Puzzle ● Maths activity calendar
OCTOBER	<ul style="list-style-type: none"> ● Maths Fun Activity ● Maths activity calendar
NOVEMBER	<ul style="list-style-type: none"> ●Maths Quiz/ MCQs ● Maths activity calendar
DECEMBER	<ul style="list-style-type: none"> ●MID TERM EXAMS
JANUARY	<ul style="list-style-type: none"> ● Mental Maths ● Maths activity calendar
FEBRUARY	<ul style="list-style-type: none"> ● Puzzle ● Maths activity calendar
MARCH	<ul style="list-style-type: none"> ● Maths Fun Activity ● Maths activity calendar
APRIL	<ul style="list-style-type: none"> ●Maths Quiz/ MCQS ● Maths activity calendar
MAY	<ul style="list-style-type: none"> ●FINAL TERM EXAMS

Assessment and Home Work:

Students will be assessed by taking test of each and every chapter. Home Work shall be given on a daily basis.

