

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

**Books:**

Lu jitan, New Syllabus Primary Mathematics 3 along with practice books 3a& 3b, 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 measurements.
- Tell the time and calculate time intervals.
- Using money and budgeting.
- Using common units of length, weight and volume.
- 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.
- Balance and breadth of the candidate's experiences and learning will be promoted.
- 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.
- Understand systems of measurement in everyday use and make use of them in the solution of problems;
- Estimate, approximate and work to degrees of accuracy appropriate to the context;
- Use mathematical and other instruments to measure and to draw to an acceptable degree of accuracy;

**Monthly Syllabus:**

August 2011	<ul style="list-style-type: none"> <li>• Numbers to 10,000</li> <li>• Addition and Subtraction within 10,000</li> <li>• Table of 2- 4</li> </ul>
September 2011	<ul style="list-style-type: none"> <li>• Multiplication</li> <li>• Division</li> <li>• Table of 5- 7</li> </ul>
October 2011	<ul style="list-style-type: none"> <li>• Conversion and definitions of Mass, Length and Volume</li> <li>• Angles</li> <li>• Table of 8-9</li> </ul>
November 2011	•REVISION FOR MID TERM EXAMS
December 2011	•MID TERM EXAMS
January 2012	<ul style="list-style-type: none"> <li>• Fractions</li> <li>• Money</li> <li>• Table of 10 &amp; 11</li> </ul>
February 2012	<ul style="list-style-type: none"> <li>• Time</li> <li>• Parallel and Perpendicular lines</li> <li>• Table of 12 &amp; 13</li> </ul>
March 2012	<ul style="list-style-type: none"> <li>• Area and Perimeter</li> <li>• Bar Graph</li> </ul>

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April 2012	● REVISION FOR FINAL TERM EXAMS
May 2012	● FINAL TERM EXAMS

**Syllabus Content:**

Theme or Topic	Subject Content
<ul style="list-style-type: none"> <li>● Numbers to 10,000 Chap No.1 Pg No.2 - 22</li> <li>● Addition of Numbers within 10,000 Chap No.2</li> <li>● Subtraction of Numbers within 10,000 Chap No.2 Pg No. 26 - 46</li>   <li>● Solving Problems1. Addition and Subtraction Chap No.4</li> </ul>	<p><i>Students should be able to:</i></p> <ul style="list-style-type: none"> <li>*recognize large numbers, read the numbers and what number comes before and after</li> <li>* write numbers in words</li> <li>*write numbers in ascending and descending order</li>   <li>*solve problems related to addition and subtraction</li> <li>* recognize the operation according to the demand of the situation</li> </ul>
<ul style="list-style-type: none"> <li>● Multiplication Tables 6, 7, 8 and 9</li> <li>● Multiplication (1, 2 and 3)</li> <li>● Solving Problems 2: Multiplication &amp; Division Chap No.5 Pg No.76 - 99</li>   <li>● Division Book 3 , Chap No.6 Pg No.103 - 132</li> </ul>	<ul style="list-style-type: none"> <li>*learn the tables and skip counting</li> <li>* use the table according to requirement</li>   <li>*read and write the statements</li> <li>*solve the problem involving multiplication and division</li>   <li>*learn quotient and remainder, odd and even numbers, differentiate between even and odd numbers</li> <li>*divide without remainder and regrouping</li> </ul>
<ul style="list-style-type: none"> <li>● Length Chap No.3 Pg No.53 - 60</li>   <li>● Mass Chap No.4 Pg No.65 - 71</li>   <li>● Volume and Capacity Chap No.8 Pg No.153 - 160</li>   <li>● Geometry; Angles Chap No.12 Pg No.224 - 228</li> </ul>	<ul style="list-style-type: none"> <li>* measure in metres, centimeters, kilometers and metres, compare the lengths, measure and draw lines</li>   <li>*convert kilograms into grams, add different masses</li> <li>* Convert l into ml , add different volumes</li>   <li>*understand about the angles, comparison of angles</li> <li>*measure and draw angles</li> </ul>
<ul style="list-style-type: none"> <li>● Fractions Chap No. 8 Pg No.153 - 160</li>   <li>● Money Chap No. 7 Pg No.141 - 147</li> </ul>	<ul style="list-style-type: none"> <li>*understand numerator and denominator</li> <li>*understand equivalent fractions, more fractions and comparing fractions</li>   <li>*convert cents in dollars, count coins and dollar notes</li> </ul>

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<ul style="list-style-type: none"> <li>● Time Chap No.11 Pg No.198 - 219</li> <li>● Perpendicular and parallel lines Chap No.13 Pg No.234 - 241</li> </ul>	attain knowledge about time and duration *convert hours and minutes, add and subtract  *understand perpendicular lines *draw perpendicular lines and parallel lines
<ul style="list-style-type: none"> <li>● Area and Perimeter Chap No.14 Pg No.251 - 266</li> <li>● Bar Graph Chap No.9 Pg No.165 - 172</li> </ul>	*use and interpret vocabulary of square and rectangle; • solve problems involving (i) the perimeter and area of a rectangle and square  *solve different questions mentally *interpret and read the data accurately

**Activities:**

August 2011	<ul style="list-style-type: none"> <li>●Mental Maths</li> <li>● Maths activity calendar</li> </ul>
September 2011	<ul style="list-style-type: none"> <li>● Puzzle</li> <li>● Maths activity calendar</li> </ul>
October 2011	<ul style="list-style-type: none"> <li>● Maths Fun Activity</li> <li>● Maths activity calendar</li> </ul>
November 2011	<ul style="list-style-type: none"> <li>●Maths Quiz/ MCQs</li> <li>● Maths activity calendar</li> </ul>
December 2011	<ul style="list-style-type: none"> <li>●MID TERM EXAMS</li> </ul>
January 2012	<ul style="list-style-type: none"> <li>● Mental Maths</li> <li>● Maths activity calendar</li> </ul>
February 2012	<ul style="list-style-type: none"> <li>● Puzzle</li> <li>● Maths activity calendar</li> </ul>
March 2012	<ul style="list-style-type: none"> <li>● Maths Fun Activity</li> <li>● Maths activity calendar</li> </ul>
April 2012	<ul style="list-style-type: none"> <li>●Maths Quiz/ MCQS</li> <li>● Maths activity calendar</li> </ul>
May 2012	<ul style="list-style-type: none"> <li>●FINAL TERM EXAMS</li> </ul>

**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.

**Resource List:**

- My Pals are here Mathematics book 3a and 3b
- Understanding Mathematics Book 3
- Countdown Mathematics Book 3
- Understanding Mathematics Book 3
- SPMG Mathematics Book 1,2 and 3

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