Mathematics in Primary 1

Sharing with Parents

23 November 2015
Aims of Primary Math Syllabus

• Acquire Math concepts and skills
• Apply Math concepts and skills for everyday use
• Concepts and skills acquired will support further learning in Math, aid in developing different levels of thinking, reasoning, communication, application and metacognitive skills
Our Goals

• To enable pupils to acquire mathematical concepts and skills and apply them in mathematical situations
• To develop and support pupils’ critical thinking and problem solving skills in Mathematics for them to be confident and creative problem solvers
• To foster pupils’ positive attitudes towards the learning of Mathematics
• To enable pupils to appreciate the role of Mathematics in real life
Math in Primary 1

- Numbers & Algebra
- Measurements & Geometry
- Statistics
Numbers & Algebra

- Numbers 0 to 10
- Number Bonds
- Addition
- Subtraction
- Numbers Showing Positions
- Numbers to 20
- Numbers 0 to 100
- Addition and Subtraction Within 100
- Multiplication
- Division
Measurements & Geometry

- Length
- Shapes
- Money
- Time
Statistics

- Picture Graphs

<table>
<thead>
<tr>
<th>My Favorite Sport</th>
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<tbody>
<tr>
<td><strong>Baseball</strong></td>
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<tr>
<td><strong>Football</strong></td>
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<tr>
<td><strong>Basketball</strong></td>
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<td><strong>Soccer</strong></td>
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C-P-A Approach in Math Learning

• Concrete
  – Use of manipulatives
  – Hands-on activities

• Pictorial
  – Drawing of diagrams and models

• Abstract
  – Numerical representations, symbolic representations, mental calculations
Math Programmes for Primary 1

• Learning Support in Math (LSM)
  – Early intervention support for students who need help in acquiring basic numeracy skills.

• Fun in Math
  – Enrichment activities for students with aptitude in Math to expose them to various skills (such as classification, visual-spatial skills, logical reasoning, pattern recognition etc) through games and activities.
Assessments

• An integral part of teaching and learning
• On-going process where teachers gather information about students’ learning to inform and support teaching
Types of Assessments

• Formative and Diagnostic Assessments
  → assess how much students have learnt from the lessons taught
  → Identify gaps in students’ learning

• Summative Assessments
  → measures what students have learnt
Modes of Assessments

• Pen-and-Paper
• Performance Tasks
• Journal Writing
How to support your child

• Have a homework routine

• Review regularly the basic concepts & skills your child has learnt in class

• Focus on their efforts, not their mistakes

• Always motivate and encourage them to give them the confidence
How to support your child

• Play Math games
  – Number Snap!
  – Addition/Subtraction Bingo
  – Skip Count

• Read Math-related stories
  – The Very Hungry Caterpillar (Eric Carle)
  – Amanda Bean's Amazing Dream (Cindy Neuschwander)
  – How Big Is A Foot? (Rolf Myller)
How to support your child

• Provide and create opportunities to explore Mathematics through real-life experiences
  – Estimating number of items in a container
  – Estimating time taken to travel from home to school
  – Tell and read time from analogue and digital clocks or watches
  – Calculate total cost of items while grocery shopping
  – Reading the mass or volume of items indicated on the labels
  – Licence-plate Math
MATHEMATICS is not about numbers, equations, computations or algorithms: it is about UNDERSTANDING.

~ William Paul Thurston (1946 – 2012)
Have an enjoyable learning journey in the primary school years with your child!