

DR MKK ARYA MODEL SCHOOL
SYLLABUS (2018 – 19)
CLASS – IV
SUBJECT – MATHEMATICS

Syllabus for April to September (First Term)

Chapters:

1. Recapitulation
2. Numbers and Number Names
3. Roman Numerals
4. Addition
5. Subtraction
6. Multiplication
7. Division
8. Factors and Multiples
16. Patterns

APRIL:

1st week (2nd April to 7th April) : Basic Concepts

2nd week (9th April to 14th April) : **Chapter – 1 “Recapitulation”** : - Numerals, forming Largest and Smallest Numbers, Rounding off and Word problems

3rd week (16th April to 21st April) : **Chapter – 2 “Numbers and Number Names”**:- Representation of Numbers on Spike Abacus, Writing the numbers in words and figures , Place Value

4th week (23rd April to 30th April) : Expanded Forms, Order Relation, Ascending and Descending Order and Formation of Greatest and Smallest Numbers

MAY:

1st week (1st May to 5th May) : **Chapter – 3 “Roman Numerals”** :- Writing Hindu – Arabic numerals and Roman Numerals,

2nd week (7th May to 12th May) : **Chapter – 4 “Addition “** :- Addition without carrying, Regrouping, word problems

3rd week (14th May to 19th May) : Word Problems continued

4th week (21st May to 26th May) : Estimating the sum, **Chapter – 5” Subtraction “** :- Subtraction without borrowing

5th week (28th May to 31st May) : Subtraction with borrowing(Decomposition)

JULY:

1st week (2nd July to 7th July) : Word problems related to Subtraction

2nd week (9th July to 14th July) : Addition and Subtraction together , Estimating the difference

3rd week (16th July to 21st July) : **Chapter – 6 “Multiplication”** :- Multiplication by 1- digit number, word problems , Multiplication by 2 – digit number , Multiplication by 3 – digit number

4th week (23rd July to 28th July) : Word problems , Estimating the product , **Chapter – 16 “Patterns”** :- Number Patterns, Patterns in Addition and Subtraction & Multiplication and Division

AUGUST:

1st week (30th July to 4th August) : **Chapter – 7 “Division”** :- Division by 1- digit, Properties of Division, Division by 10 and 100, Division by 2 – digit number

2nd week (6th August to 11th August) : Word problems and Estimating the quotient, problems on Four Fundamental Operations

3rd week (13th August to 18th August) : **Chapter – 8 “Factors and Multiples”** :- Method of finding factors, Properties of factors, Prime Numbers, Composite Numbers

4th week (20th August to 25th August) : Even and Odd Numbers, Common Factors, Multiples

5th week (27th August to 31st August) : Properties of Multiples , Common Multiples

SEPTEMBER : Revision and Mid Term Exam

ACTIVITIES:

- Activity based on Numeration
- Activity based on Abacus
- Activity based on finding factors
- Activity based on Patterns

Syllabus for October to January (Second Term)

Chapters:

9. Common Fractions
10. Money
11. Measurement of Weight (Mass)
12. Measurement of Capacity
13. Measurement of Length
14. Measurement of Time
15. Geometry
17. Data Handling

OCTOBER:

1st week (1st Oct to 6th Oct) : **Chapter – 9 “Common Fractions”**:- Fraction of a Whole, Finding objects equal to Fractions, Equivalent Fractions

2nd week (8th Oct to 13th Oct) : To find a fraction equivalent to a given fraction, like and unlike fractions, Unit fractions, Comparison of Like Fractions

3rd week (15th Oct to 20th Oct) : Addition and Subtraction of Like fractions and word problems, **Chapter – 10 “Money”** :- Conversion of Paise into Rupees and vice versa

4th week (22nd Oct to 27th Oct) : Addition and Subtraction of Money, Multiplication and Division of Money

NOVEMBER:

1st week (29th Oct to 3rd Nov) : **Chapter – 11”Measurement of Weight”** :- Addition and Subtraction of Weight, Word problems

2nd week (5th Nov to 10th Nov) : Multiplication of weights and word problems, Division of weights and word problems

3rd week (12th Nov to 17th Nov) :- **Chapter – 12 “ Measurement of Capacity”** :- Addition and Subtraction of Capacity measures

4th week (19th Nov to 24th Nov) : Multiplication and Division of Capacity Measures (By Conversion), **Chapter – 13 “ Measurement of Length”** :- Expressing Smaller units in terms of Bigger units and Vice Versa

5th week (26th Nov to 1st Dec) : Addition, Subtraction – Metres and Centimetres, Kilometres and Metres,

DECEMBER:

1st week (3rd Dec to 8th Dec) : Multiplication and Division of Length Measures, **Chapter – 14 “ Measurement of Time”** :- Reading Time, Use of a.m. and p.m., 24 – Hour Clock time

2nd week (10th Dec to 15th Dec) : Time duration and Finishing time of an activity, calculating days between two dates, **Chapter – 15 “Geometry”** :- Basic Concepts – Point, Line segment, Line, Ray , Measuring and drawing a line segment,

3rd week (17th Dec to 22nd Dec) : Perimeter of a figure and related word problems, Area of a given figure

4th week (24th Dec to 29th Dec) : Nets of Solids, Views of an object, Tiling a floor, Symmetry

JANUARY:

1st and 2nd week : Winter break

3rd week (14th Jan to 19th Jan) : **Chapter – 17 “Data Handling”** :- Bar Graph, Reading and interpreting a bar graph

4th and 5th week : Revision

FEBRUARY : Final Exams

ACTIVITIES:

- Activity based on Fractions
- Activity based on Perimeter and Area
- Activity based on Time
- Activity based on representation of data