

# Mathematics Grade 3 Curriculum



Sessions 1 to 29



Curriculum accredited by  
STEM.org

## Sessions 1 - 9



### Number Systems

- Recap
- Read and Write Numbers up to 10,000
- Identify Place Values in 4-Digit Numbers and Express Numbers in Expanded form
- **RDP Session(Revision, Doubt and Practice Session)** 
- Compare, Order and Form 4-Digit Numbers
- Round off up to 4-digit Numbers to the Nearest 10 and 100
- Understand Odd, Even, and Ordinal Numbers
- **RDP Session(Revision, Doubt and Practice Session)** 
- **Checkpoint Assessment-1** 

## Sessions 10 - 18



### Addition and Subtraction

- Recap
- Add and Subtract 4-Digit Numbers
- Understand Properties and Solve Problems Using Mental Strategies
- **RDP Session(Revision, Doubt and Practice Session)** 
- Estimate Sum and Difference up to 4-Digit Numbers
- Solve Word Problems on Addition and Subtraction
- **RDP Session(Revision, Doubt and Practice Session)** 
- **Checkpoint Assessment-2** 

## Sessions 19 - 29



### Multiplication and Division

- **RECAP:** Multiply using repeated addition
- Solve 4-digit multiplication problems and know the multiplication facts
- Solve word problems on standard multiplication of 4-digit numbers
- Understand division and division facts
- **RDP Session(Revision, Doubt and Practice Session)** 
- Solve standard division problems of 4-digit numbers and understand remainder
- Understand properties of multiplication and mentally multiply 4-digit numbers
- Devise strategies and ideas for multiplication of 4-digit numbers
- Devise strategies and ideas for multiplication of 4-digit numbers
- Mentally divide 4-digit numbers and observe patterns in multiplication
- **RDP Session(Revision, Doubt and Practice Session)** 
- **Checkpoint Assessment-3** 

# Mathematics Grade 3 Curriculum



Sessions 30 - 50



Curriculum accredited by  
STEM.org

## Sessions 30 - 36

### An Introduction to Fractions

- Visualize fractions of a unit and write and interpret their numeric and word forms
- Visualize fractions, and compare and order them
- RDP Session(Revision, Doubt and Practice Session)** 
- Understand numerator and denominator
- Write one shape as a fraction of the other
- Write fractions of a collection (Visual and Abstract) and solve problems
- RDP Session(Revision, Doubt and Practice Session)** 
- Checkpoint Assessment-4** 

## Sessions 37 - 43

### Time

- Read and write time off a clock
- Understand the terms Half Past, Quarter Past, and Quarter To
- Convert hours, minutes, and seconds
- Calculate elapsed time and understand the calendar
- RDP Session(Revision, Doubt and Practice Session)** 
- Checkpoint Assessment-5** 

## Sessions 44 - 50

### Lines and Polygons

- Understand points, lines, line segments and rays
- Understand congruent line segments
- RDP Session(Revision, Doubt and Practice Session)** 
- Understand and identify polygons and circles
- Understand 3D shapes and their properties
- RDP Session(Revision, Doubt and Practice Session)** 
- Checkpoint Assessment-6** 

# Mathematics Grade 3 Curriculum



Sessions 51 - 96



Curriculum accredited by  
STEM.org

## Sessions 51 - 62



### Measurement

- RECAP: A recap to length
- Convert, compare and use units (m and cm)
- Understand "km", and convert, compare and use units
- **RDP Session(Revision, Doubt and Practice Session)** 
- Add and subtract units of length, and solve word problems
- RECAP: Weights and weighing balance
- Convert and compare units (kg and g)
- **RDP Session(Revision, Doubt and Practice Session)** 
- Understand "milligram" and add and subtract units
- Convert and compare units of capacity (L and mL)
- Add and subtract units of capacity, and solve problems on weight and capacity
- **RDP Session(Revision, Doubt and Practice Session)** 
- **Checkpoint Assessment-7** 

## Sessions 63 - 66



### Scaled Pictographs

- Interpret Pictographs and Scaled Pictographs
- Create Pictographs and Scaled Pictographs
- **RDP Session(Revision, Doubt and Practice Session)** 
- **Checkpoint Assessment-8** 

## Sessions 67 - 73



### Money

- Count money and write the amount
- See various amounts as a collection of coins and notes
- **RDP Session(Revision, Doubt and Practice Session)** 
- Convert and compare between rupee and paise
- Perform all 4 operations with amounts
- **RDP Session(Revision, Doubt and Practice Session)** 
- **Checkpoint Assessment-9** 

## Sessions 74



### Final Assessment

## Sessions 75 - 96



### Vedic Maths

- Magic Multiplication
- Subtraction with easy carry trick
- Multiplication Trick by 11
- Fast addition from left to right
- Multiplication trick of numbers just above 10
- Multiply by 12 (without using table of 12)
- Multiplication of numbers near to 20, 30, and 40
- Squares of Numbers near to 10 and 20
- Division by 9 using addition
- Division by 8 using addition



### Mental Ability/ Logical Reasoning

- Venn Diagram
- Ranking Test
- Family Tree
- Analogy