



8+

# MATHEMATICS CURRICULLUM

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## Mathematics Concepts

Students must master the following;

- Add/subtract/multiply/divide up to 3 digits in simple equations and word problems.
- Input/output machines
- Missing number, operation, midpoint
- Fractions in relation to  $\frac{1}{2}$ ,  $\frac{1}{3}$ ,  $\frac{1}{4}$
- Money and change
- Number patterns (2, 5, 10, etc.)
- Number, shape or time that includes clock (half and quarters) and time elapsed; age/year
- Simple Cartesian plane (draw a star at (1,4)), symmetry, reflection & rotation
- Follow directions and read simple graphs/bar charts
- Measurements (m, cm, mm, g, kg)
- Pairs/Egg carton problem and word problems using +/÷/×/÷ in 2-3 steps
- Basic algebra and mental math both in written and oral forms
- Place value & number identification to 4-digits
- Multiply/divide by 10, 100, 1000 and simple averages (of 100, 1000)
- Mathematical logic puzzles and symbol problems (if  $3@5\$6=2$ , what does  $5@11\$1$  equal?)
- Identification of number lines; divisions of numbers on number line

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