The New Cambridge International Public School, Derabassi

Entrance Syllabus

Class VIII

HINDI:-

1. अपठित गद्यांश 2. संध 3.पर्यायवाची शब्द 4.अनेक शब्दों के लिए एक शब्द 5.उपसर्ग 6.अन्च्छेद 7. पत्र

ENGLISH: - Comprehension, Paragraph Writing, Notice WritingGrammar Topics: Direct and Indirect Speech or Narration, Active and Passive Voice, Prepositions

MATHS:

- 1.Integers:- Operation on integers, properties related to operation on integers, word problems including integers (all operations).
- 2.Fractions and Decimals:- Operation on fractions and decimals, word problems involving fractions (all operations), Rational numbers, operation on rational numbers, word problems.
- 3. Exponents, Law of exponents, decimal number system, expressing large numbers in the standard form.
- 4.Algebraic Expressions:- Addition, subtraction and finding value of Algebraic expressions, Rules and Formulas using algebraic expressions.
- 5.Linear equations in one variable their formulation, solution and application as word problems.
- 6. Comparing Quantities:- Ratio & Proportion, unitary method, percentage and its application, profit and loss, simple interest.
- 7.Lines and Angles:- Supplementary angels, complementary angles, vertically opposite angles, linear pair, angles made by transversal and properties related to parallel lines. Triangles and its properties, types of triangles, angle sum property, exterior angle property, right angled triangle and Pythagoras theorem.
- 8. Visualizing Solid Shapes: 2 D shapes, 3 D shapes
- 9. Perimeter and area of a square, Rectangle, parallelogram and triangle. Circumference and area of circle.
- 10.Data Handling:- Organizing of Data, Mean, Median Mode of data, chance and probability.

SCIENCE

Chapter - Nutrition in Plants.

Chapter - Nutrition in Animals.

Chapter - Fibre to Fabric.

Chapter - Heat.

Chapter - Acids, Bases and Salts.

Chapter - Physical and Chemical Changes.

Chapter - Weather, Climate and Adaptations of Animals to Climate.

Chapter - Winds, Storms and Cyclones

Chapter - Transportation in Animals and Plants

Chapter - Reproduction in Plants

Chapter -Forests - Our Lifeline