

**The New Cambridge International Public School, Derabassi**  
**Entrance Syllabus**  
**Class IX**

**HINDI**

1. अपठित गद्यांश
2. संधि
3. पर्यायवाची शब्द
4. अनेक शब्दों के लिए एक शब्द
5. काल
6. अनुच्छेद
7. पत्र

ENGLISH :- Comprehension , Paragraph Writing , Notice Writing

Grammar Topics: Direct and Indirect Speech or Narration, Active and Passive Voice, Conjunctions

**MATH:**

1. Rational Numbers:- Properties of Rational numbers, operation on Rational numbers, representation on number line.
2. Exponents:- Integers as exponents, Laws of exponents.
3. Square roots, cube, cube roots. Finding square root by division method.
4. Algebraic expressions, algebraic identities.
5. Solving linear equations in one variable form, word problems.
6. Ratio and Proportion, profit and loss, overhead expenses, discount, tax.
7. Simple Interest, compound interest, difference between simple interest and Compound interest.
8. Direct and inverse variations, time and work problems.
9. Quadrilaterals: - Properties of quadrilaterals, sum angle property, type of quadrilaterals, properties of parallelogram
10. Mensuration: - Area of trapezium and polygon, surface area and volume of cube, cuboid and cylinder.
11. Data Handling:- Bar graph, pie chart, mean, median and mode.

**SCIENCE :-**

**Chapter - Crop Production and Management.**

**Chapter - Microorganisms: Friend and Foe.**

**Chapter - Combustion and Flame.**

**Chapter- Conservation of Plants and Animals.**

**Chapter - Cell Structure and Functions.**

**Chapter - Force and Pressure**

**Chapter- Friction**

**Chapter- Sound**

**Chapter - Some Natural Phenomena.**