



New Era High School and Senior Secondary

FOR THE BETTERMENT OF THE WORLD

SYLLABUS FOR CLASS 8 ENTRANCE TEST

ENGLISH

1. Two unseen comprehension passages.
 2. One composition on any given topic.
- Grammar - identification of the parts of speech (noun, verb, adjective, adverb, preposition, conjunction), kinds of nouns, kinds of adjectives, tenses, agreement of the verb with the subject, active and passive voice, reported speech.

MATHEMATICS

1. Operations of rational numbers.
2. Algebraic expression operations
3. Linear equations on one variable.
4. Conversion of measurements of length, mass, volume.
5. Indices (Exponents and radicals)
6. Average, Profit, Loss, Percentage, Simple interest
7. Ratio and proportional
8. Properties of parallel lines and it's applications
9. Pythagoras theorem
10. Area and perimeter of square, rectangle and circle
11. Congruent triangles
12. Angle sum property and exterior angle property of triangle.

SCIENCE

- Chapter 1:** Nutrition in Plants
Chapter 2: Nutrition in Animals
Chapter 3: Heat
Chapter 4: Acids, Bases and Salts
Chapter 5: Physical and Chemical Changes
Chapter 6: Respiration in Organisms
Chapter 7: Transportation in Animals and Plants
Chapter 8: Reproduction in Plants
Chapter 9: Motion and Time
Chapter 10: Electric Current and its Effects
Chapter 11: Light
Chapter 12: Forests – Our Lifeline
Chapter 13: Wastewater Story