

Day Star School

I-Term Syllabus, STD IX

➤ **Mathematics**

1. Rational and irrational number
2. Compound interest
3. Expansion and factorisation
4. Simultaneous linear equations in two variables
5. Indices
6. Logarithm
7. Triangles
8. Mid point theorem
9. Pythagoras theorem
10. Construction of parallelogram
11. Trigonometric ratios

➤ **Physics**

1. Measurements and experimentation
2. Motion in one dimension
3. Laws of motion
4. Gravitation
5. Fluids
6. Archimedes's principle and floatation
7. Heat and energy

➤ **Chemistry**

1. The language of chemistry
2. Chemical changes and reactions
3. Water
4. Atomic structure and chemical bonding
5. The periodic table

➤ **Biology**

1. Introduction to Biology
2. The cell
3. The tissues
4. The flower
5. Pollination and fertilization
6. Seed: structure type & germination
7. Respiration in plants.

➤ **History and Civics**

1. Harappan civilization
2. The Vedic period
3. Rise of Jainism and Buddhism
4. The age of the Mauryas

5. The age of the Guptas
6. The Cholas
7. Making of the constitution
8. Fundamental rights and duties
9. Directive principles of state policy

➤ **Geography**

1. Map work
2. Earth's structure
3. Land forms of earth
4. Rocks
5. Volcanoes
6. Earthquakes
7. Weathering

➤ **English**

1. Language
Composition, letter writing, unseen passage.
2. Functional Grammar – the use of tenses, agreement of the verb with the subject, voice, speech, adjectives of comparison, transformation of sentences, preposition, correct form of verb.
3. Literature (Treasure Trove)
4. Poetry – 1 to 3
5. Prose – 1 to 4
6. Drama (The Merchant of Venice) Act one

➤ **EVS**

1. Introduction
2. Environmental problems
3. Ecosystem
4. Resource depletion
5. Work generation
6. Economic disparity
7. Land use
8. Basic ecology changes