



STEP SCHOLARSHIPS INFORMATION

SYLLABUS

For the Syllabus of STEP Scholarships specific to each Grade, **refer to Annexure.**

ELIGIBILITY CRITERIA

To participate in STEP Scholarships, you must be:

- A Student studying in Grades 5th - 11th
- Enrolled in an Official Registered School.

Enrollment for STEP Scholarships are applicable ONLY via your current Grade. Note: You will be appearing for STEP Scholarships in your next grade in Apr'20.

For example, if a Student is currently in Grade 8, they will be enrolling as a student of grade 8 and be playing the chapters of STEP Scholarships for Grade 9 in Apr'20.

TESTING PROCESS

STEP Scholarships will be conducted in 4 Stages:

STAGE 1: REGISTRATION

(Open Now)

Registrations for STEP Scholarships have already begun. Students from 5th - 11th can register.

STAGE 2: STEP Scholarships

Apr'20

Every week, a new Chapter will be released in each Subject for a total of 7 weeks. While playing these Chapters, participants will be assessed on the basis of their Speed, Accuracy, and

Conceptual Clarity. Their positions will be updated regularly on the STEP Scholarships Leaderboard.

Note: Speed will be evaluated based on the average time taken to answer each question. Accuracy and Conceptual Clarity will be assessed based on the percentage of questions answered correctly.

STAGE 3: PRE-FINALS

Jun'20

Post due diligence, Top scorers will be invited for an exam that will be conducted on the STEPapp in the Gamified format at various centres across India (colleges, science centres and other neutral locations).

STAGE 4: GRAND FINALE

Jun'20

On the basis of the Pre-Finals, Top 10,000 students of EACH GRADE will receive Scholarships ranging from ₹ 5,000 to ₹ 1 Cr from a total pool of ₹ 50 Cr. The Top Winners will further be invited for our Grand Finale hosted by Mr. Amitabh Bachchan.

Terms & Conditions Apply

ANNEXURE

Syllabus for STEP Scholarships

STEP Scholarships follows an overlapping syllabus of core Math and Science concepts.

The syllabus for each class is as listed below:

CLASS 6

| Sr. No | Math | Science |
|--------|-------------------------|--------------------------|
| 1 | Playing with numbers | Light |
| 2 | Number System | Magnetism |
| 3 | Fractions | Habitat and Adaptation |
| 4 | Decimals | Separation of Substances |
| 5 | Data Handling | Water |
| 6 | Basic Geometrical Ideas | The Leaf |
| 7 | Ratio & Proportion | The Flower |
| 8 | Mensuration | Air and Atmosphere |

CLASS 7

| Sr. No | Math | Science |
|--------|-------------------------|----------------------------------|
| 1 | Rational numbers | Physical & Chemical Changes |
| 2 | Integers | Motion |
| 3 | Fractions | Photosynthesis and respiration |
| 4 | Lines and Angles | Plant and animal Tissues |
| 5 | Decimals | Heat |
| 6 | Linear Equations | Classification of plants |
| 7 | Triangles | Elements, compounds and Mixtures |
| 8 | Congruence of Triangles | Light |

CLASS 8

| Sr. No | Math | Science |
|--------|--------------------------------|--------------------------------|
| 1 | Quadrilaterals | Force and Pressure |
| 2 | Exponents | Food Production |
| 3 | Area of Trapezium & a Polygon | Sound |
| 4 | Rational Numbers | Light |
| 5 | Linear Equations & Inequations | Reproduction in humans |
| 6 | Squares & Cubes | Elements, Compounds & Mixtures |
| 7 | Direct and Inverse Variations | Language of chemistry |
| 8 | Surface area and Volume | Combustion & flame |

CLASS 9

| Sr. No | Math | Science |
|--------|-----------------------------------|-------------------------------------|
| 1 | Circle | Laws of Motion |
| 2 | Expansions | Cell- the unit of life |
| 3 | Area and perimeter | Atomic Structure & Chemical bonding |
| 4 | Numbers | Tissues |
| 5 | Triangles | Diseases cause and control |
| 6 | Linear Equations in Two variables | Atoms and molecules |
| 7 | Quadrilaterals | Motion |
| 8 | Surface areas and Volumes | Reflection of Light |

CLASS 10

| Sr. no. | Math | Science |
|---------|--------------------------------------|-----------------------------|
| 1 | Circles | Refraction of light |
| 2 | Linear inequations | Human evolution |
| 3 | Arithmetic and Geometric progression | Acids Bases and Salts |
| 4 | Heights & Distances | Metals & Non - Metals |
| 5 | Quadratic Equations | Periodic Table & Properties |
| 6 | Probability | Current electricity |
| 7 | Introduction to Trigonometry | Control & coordination |
| 8 | Statistics | Electro-Magnetism |

CLASS 11

| Sr. no. | Math | Physics | Chemistry |
|---------|-------------------------------|-----------------------------------|------------------------------------|
| 1 | Trigonometry | Vector | Mole Concept |
| 2 | Trigonometric Equations | Calculus for Physics | Atomic Structure |
| 3 | Quadratic Equations | Kinematics | Gaseous State |
| 4 | Sequence and Series | Laws of Motion & Friction | Thermodynamics and Thermochemistry |
| 5 | Complex Numbers | Work Power Energy | General Organic Chemistry |
| 6 | Permutations and Combinations | Circular Motion | Isomerism |
| 7 | Binomial Theorem | Centre of Mass & Collision | Reaction Mechanism |
| 8 | Straight Lines | Rotational Dynamics & Sound Waves | Hydrocarbons |

CLASS 12

| Sr. no. | Math | Physics | Chemistry |
|---------|--|-------------------------------|--|
| 1 | Functions | Electrostatics and Capacitors | Chemical Kinetics |
| 2 | Limits | Current Electricity | Electrochemistry |
| 3 | Continuity and Differentiability & Matrices and Determinants | Magnetism | Halogen Derivatives (Alkyl and Aryl Halides) |
| 4 | Method of Differentiation | Electromagnetic Induction | Alcohols Phenols and Ethers |
| 5 | Application of Derivatives | Alternative Currents | Aldehydes and Ketones |
| 6 | Indefinite Integrals | Ray Optics | Carboxylic Acids and Derivatives |
| 7 | Definite Integrals | Wave Optics | Co-ordination Compounds |
| 8 | Probability | Modern Physics | Salt Analysis |