



Vivekanand School

D-Block, Anand Vihar, Delhi - 110 092

VS/SW/2026-27/Cir-034

Date: 5/6/2026

Advanced Mathematics and Advanced Science (Class IX) 2026-27

Dear Parents,

Namaskar!

The Central Board of Secondary Education (CBSE) has introduced an important academic initiative from the academic session 2026–27, enabling students of Class IX to opt for Advanced Mathematics and/or Advanced Science in addition to the regular curriculum.

The objective of these advanced courses is to provide academically inclined students with opportunities for deeper learning, enhanced conceptual understanding, analytical reasoning, critical thinking, and higher-order problem-solving skills. These courses are particularly beneficial for students who have a strong interest and aptitude in Mathematics and Science and wish to explore these subjects beyond the standard curriculum.

Important Points

1. All students will continue to study the prescribed Standard Mathematics and Standard Science curriculum and will mandatorily appear for the Standard Examinations.
2. The Advanced courses are optional and will be offered as an additional academic challenge over and above the standard syllabus.
3. Students opting for:
 - Advanced Mathematics will be required to study the prescribed Standard Mathematics syllabus along with 6 additional chapters specified by CBSE.
 - Advanced Science will be required to study the prescribed Standard Science syllabus along with 10 additional chapters specified by CBSE.
4. To support students enrolled in these courses, the school may conduct additional offline and/or online classes, assignments, and assessments as and when required.

Assessment Pattern

Standard Mathematics / Standard Science (Compulsory for All Students)

- Common prescribed syllabus for all students
- Annual Examination: 80 Marks
- Duration: 3 Hours

Advanced Mathematics / Advanced Science (Optional)

- Additional syllabus beyond the standard curriculum
- Advanced Examination: 25 Marks
- Duration: 1 Hour
- Focus on:
 - Higher Order Thinking Skills (HOTS)
 - Application-based learning
 - Analytical reasoning
 - Conceptual depth
 - Advanced problem-solving

Available Options

Students may choose any one of the following options:

- No Advanced Subject
- Advanced Mathematics only
- Advanced Science only
- Both Advanced Mathematics and Advanced Science

The detailed syllabus prescribed for Advanced Mathematics and Advanced Science is enclosed herewith for reference.

Parents are advised to discuss the available options carefully with their ward and make an informed decision based on the student's academic performance, interest, aptitude, learning habits, and readiness to undertake additional academic rigor.

Kindly submit the duly filled consent form via google form before 12th June, 2026.

In case no consent form is received by the stipulated date, it shall be presumed that the parent does not wish to opt for Advanced Mathematics and/or Advanced Science, and the student will not be enrolled for any Advanced subject. Requests received after the due date will not be considered.

We seek your cooperation in helping students make thoughtful academic choices and derive maximum benefit from this progressive CBSE initiative.

Warm Regards

Principal (Officiating)

CLASS 9 ADVANCED LEVEL SYLLABUS

MATHEMATICS AT ADVANCED LEVEL

1. Sets
2. Logarithms
3. Relations and Functions
4. Coordinate Geometry
5. Combinatorics
6. Exploring Some more Progressions

SCIENCE AT ADVANCED LEVEL

1. Measurement – Foundation of Science
2. Understanding Motion through Experience
3. Newton's Laws of Motion
4. The Geometry of Power – Advanced Simple Machines
5. Work and Energy
6. Structure of Atom
7. Chemical Bonding
8. Mixtures and their Separation
9. Microscope and Microscopy
10. Engineering Life: Miracles in Biotechnology