

SRI
SRIMATHI SUNDARAVALLI MEMORIAL SCHOOL
CHENNAI – 600 063

Letter No.72/Parents/ Class X/2024-2025

09-09-2024

Dear Parents

Sub : Two levels of Examination – Mathematics - Secondary School Examination – 2025-Reg.

Ref 1 : CBSE Circular No.Acad-03/2019/F.1002/CBSE/Dir(Acad)/ Mathematics/2019 Date 10.01.2019

Ref 2 : CBSE Circular No.Acad-22/2020/F.1002/CBSE-Acad/Maths/ Circular/20 Date 01.04.2020

The CBSE conducts two levels of examination in Mathematics for class X.

For the CBSE Board Examination – 2025, Mathematics subject can be chosen from the following two levels:

Mathematics - Standard - The existing level of Examination

Mathematics - Basic - An easy level of Examination

Students who are interested in pursuing Core Mathematics in their Senior Secondary Classes (Science Stream) are required to choose Mathematics – Standard in Class X.

Those students who are not willing to pursue Core Mathematics in Senior Secondary level can avail this opportunity and select Mathematics – Basic in Class X. Students who have passed Mathematics Basic in Class X are allowed to select **only Applied Mathematics** (Commerce Stream) at Senior Secondary level.

There will be two different types of Question Papers in the Board Examination. The syllabus, teaching methodology and internal assessment will remain the same for both the levels.

All parents are requested to discuss with their wards by taking into account their future career and fill in the consent form, choosing the correct level of examination that he/she is going to appear for the Board. **Once the choice is exercised now for Mathematics Standard / Basic, it cannot be altered.** For any more clarification, please contact the school in person, with prior appointment.

The parents are requested to fill in the consent form and return the same through your ward on or before 12.09.2024.

You are requested to go through the circulars under reference for any clarification.

Thank you



Principal

SRI
SRIMATHI SUNDARAVALLI MEMORIAL SCHOOL
CHENNAI – 600 063
ACKNOWLEDGEMENT SLIP WITH CONSENT

Sub: Two levels of Examination - Mathematics - Secondary School

Examination – 2025-Reg.

Ref: 1. Name of the Student: _____

Class & Sec. _____ Adm. No. _____

2. Letter No.72/Parents/ Class X/2024-2025, dated 09.09.2024

We acknowledge that we have read the contents of the circular, posted on the website, regarding the two levels of Mathematics Examination.

We hereby opt for Mathematics Examination as follows.

Choose (✓) the required option

Mathematics – Standard

☐

Mathematics – Basic

☐

We assure that we will not demand for any change in the option later.

Date: _____

Signature of _____

Student

Father

Mother

Note: Kindly fill and send this slip on or before 12.09.2024.



F.1002/CBSE/Dir(Acad)/Mathematics/2019

10th January 2019
Circular No Acad-03/2019

All Heads of Institutions affiliated to CBSE

Subject: Introduction of two levels of Mathematics for All India Secondary School Examination from the Academic Session ending March, 2020 onwards

NCF 2005, Position Paper by National Focus Group on Examination Reforms states that – *just as we allow students and schools, some element of choice in the choosing of their subjects, they should have the choice of picking one of two levels within that subject. As per NCF, not only would the two levels of examinations cater for different kinds of learners and allow different levels of testing, it would also reduce overall student stress levels. It is well known that students experience greatest stress before and during their most 'difficult' subject exam.* Keeping in view of this important aspect and as evidenced by the Board results, the Board has decided to introduce two levels of examination in Mathematics for the students who are going to appear in the Board examination for the academic session ending March 2020 onwards. The details of this scheme are as under :

- The two levels of Examination will be held in the subject of Mathematics in the Board examination for Class X in the year 2020 and the same shall **not** be applicable to the internal assessment in class X.
- There shall **not** be two levels of Assessment/Examination for class IX.
- First level would be the same as the existing one, and the other would be an easier level.
- The nomenclature for the two Examinations will be; Mathematics-Standard for the existing level of examination, and Mathematics-Basic for the easier level of examination.
- The syllabus, class room teaching and internal assessment for both the levels of examination would remain the same; so that the students get an opportunity to study the whole range of topics throughout the year and are able to decide upon the level of Board examination depending upon their aptitude and abilities.
- The *Standard* level will be meant for students who wish to opt for Mathematics at Sr. Secondary level and the *Basic* level would be for students not keen to pursue Mathematics at higher levels.
- A student will have the right to choose between the two levels of Examination at the time of submission of List of Candidates (LoC) by the affiliated school to the Board online.
- In case student fails at any level of Mathematics, he/she can appear at the compartment examination as per norms of the Board according to the options given below:

In case of failure in	Compartment options
Mathematics -Basic	Mathematics-Basic
Mathematics-Standard	Mathematics Standard or Mathematics- Basic

- A student who qualifies the Mathematics-Basic, shall be given an option to appear in Mathematics-Standard at the time of Compartment exams as per norms of the Board, in case he/she changes his/her mind to pursue Mathematics at Senior Secondary level.

Frequently Asked questions (FAQs) on the two level of Mathematics are enclosed for ready reference. Design for both the levels of question papers as per curriculum for the academic session ending March 2020 onwards will be made available on www.cbseacademic.nic.in in due course of time. Detailed guidelines regarding the filling up of List of Candidates (LOC) for the examination in 2020 shall be issued separately to the affiliated schools at the time of filling up of LOC.


(Dr. Joseph Emmanuel)
Director (Academics)

Copy with a request to respective Heads of Directorates/KVS/NVS/CTSA as indicated below to also disseminate the information to all concerned schools under their jurisdiction:

1. The Commissioner, Kendriya Vidyalaya Sangathan, 18-Institutional Area, Shaheed Jeet Singh Marg, ND-16
2. The Commissioner, Navodaya Vidyalaya Samiti, B-15, Sector-62, Institutional Area, Noida-201309
3. The Director of Education, Directorate of Education, Govt. of NCT of Delhi, Old Secretariat, Delhi-110 054
4. The Director of Public Instructions (Schools), Union Territory Secretariat, Sector 9, Chandigarh-160 017
5. The Director of Education, Govt. of Sikkim, Gangtok, Sikkim –737101
6. The Director of School Education, Govt. of Arunachal Pradesh, Itanagar –791 111
7. The Director of Education, Govt. of A&N Islands, Port Blair – 744101
8. The Director of Education, S.I.E., CBSE Cell, VIP Road, Junglee Ghat, P.O. 744103, A&N Island
9. The Director, Central Tibetan School Administration, ESSESS Plaza, Community Centre, Sector 3, Rohini
10. The Additional Director General of Army Education, A – Wing, Sena Bhawan, DHQ, PO, New Delhi-110001
11. The Secretary AWES, Integrated Headquarters of MoD (Army), FDRC Building No. 202, Shankar Vihar (Near APS), Delhi Cantt-110010
12. All Regional Directors/Regional Officers of CBSE with the request to send this circular to all the Heads of the affiliated schools of the Board in their respective regions
13. All Heads of COEs of CBSE
14. All Joint Secretaries/ Deputy Secretaries/ Assistant Secretaries, CBSE
15. In charge IT Unit with the request to put this circular on the CBSE Academic website
16. The Sr. Public Relations Officer, CBSE
17. PS to Chairperson, CBSE
18. SPS to Secretary, Controller of Examinations, Director (Information Technology), Director (Edusat & Research), Director (Skill Education & Training), Director (Special Exams and CTET), CBSE.

Director (Academics)

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All Heads of Institutions affiliated to CBSE

Subject: Introduction of 'Applied Mathematics (241)' as an Academic Elective at Senior Secondary Level

As part of Systemic Reforms, National Curriculum Framework 2005 recommends that Subjects such as Mathematics and English could be examined at two levels; standard and higher level. In the long term, all subjects could be offered at two levels with students doing at least three/two of the six at standard level and the remaining three/ four at higher level. As per this recommendation, Board has already offered two levels of examinations in Mathematics at secondary level.

As Secondary School Education prepares students to explore future career options after graduating from the school, Mathematics is an important subject which helps students to choose various fields of their choices. Mathematics is widely used in higher studies in the field of Economics, Commerce, Social Sciences and many others. **It has been observed that the existing syllabus of Mathematics aligns well with Science subjects, but does not align well with Commerce or Social Science-based subjects in university education.** By keeping this in mind, one more elective course in Mathematics syllabus will be offered for Sr. Secondary classes with an aim to provide students relevant experience in Mathematics which can be used in the fields other than Physical Sciences.

A course by this name was earlier designed as a skill subject. The academic course that has been designed now by the same name has several value additions to develop substantial mathematical skills and methods needed in other subject areas. Topics covered in two years shall aim to enable students to use mathematical knowledge in the field of business, economics and social sciences. It aims to promote appreciation of mathematical power and simplicity for its countless applications in diverse field. It is expected that the new subject of Applied Mathematics is taught by connecting concepts to the application in various fields, thereby enabling students to develop 21st century competencies such as critical thinking, problem solving, logical reasoning, mathematical thinking, etc.

Objectives:

- To develop an understanding of basic mathematical and statistical tools and their applications in the field of commerce (business/finance/economics) and social sciences;
- To model real world experiences/problems into mathematical expressions using numerical/algebraic/graphical representation;
- To make sense from the data by organizing, representing, interpreting, analysing, and to make meaningful inferences from the real-world situations;
- To develop logical reasoning skills and apply the same in problem solving;
- To reinforce mathematical communication by formulating conjectures, validating logical arguments and testing hypothesis;

- f) To make connections between Mathematics and other disciplines.

Therefore, as per the recommendations of the Curriculum Committee of the Board, and duly approved by the Governing body, CBSE is introducing a new Academic Elective at Senior Secondary level named as '**Applied Mathematics (Code No. 241)**' starting from the current **Academic Year, that is from 2020-21 session for Class XI**. The details of this scheme are as under:

- The course can be opted for the class XI students from this Academic year (2020-21) as an Academic elective.
- Students who want to opt for higher studies in Mathematics at the University level as an Elective or want to take admission in Mathematics Honours course or Engineering course may take Mathematics (041). The Applied Mathematics (241) course is designed to enhance the knowledge and skills of Mathematics that are required to be successful in different fields of their future career. Therefore this course may be selected by students keeping this aspect in mind.
- Students, Parents and Schools may take a conscious choice in selection of this subject by taking into consideration the scope of this subject in getting admission to different courses at University level.
- Approach of Applied Mathematics subject will be practical in nature and the students are expected to learn through practical applications of Mathematics in different disciplines.
- In view of introduction of Applied Mathematics as an Academic elective, the **students who have passed Basic Mathematics (241) in class X are now allowed to offer the new academic elective Applied Mathematics (241) at Senior Secondary Level.**
- Accordingly, the students who have passed Basic Mathematics (241) as well as Standard Mathematics (041) in Class X of CBSE exam are eligible for this course. **However, it is once again clarified that students who have passed Mathematics-Basic (241) at Secondary level are not eligible to opt for Mathematics (041) at Sr. Secondary Level.**
- The affiliated schools who have permission for running Mathematics course in their school at Sr. Secondary Level shall be automatically eligible to run this course with the availability of necessary infrastructure and human resources.
- The detailed modalities for opting this subject shall be made available at the time of registration for this course at class XI.
- It may be noted that those students who have earlier offered Applied Mathematics as a Skill Elective will offer Applied Mathematics as an Academic Elective in the current year 2020-21 for class XII. They have to follow the syllabus of Applied Mathematics offered as an Academic subject. Applied Mathematics Course will not be available from the current Academic Session 2020-21 as Skill subject.

Frequently Asked Questions (FAQs) on introduction of Applied Mathematics at Senior Secondary level are enclosed for ready reference. Support material, Design of question papers

and Sample Question Papers for this subject will be made available on www.cbseacademic.nic.in in due course of time.



(Dr. Joseph Emmanuel)
Director (Academics)

Encl : Frequently Asked Questions on introduction of Applied Mathematics

Copy to the respective Heads of Directorates, Organizations and Institutions as indicated below with a request to disseminate the information to all the schools under their jurisdiction:

1. The Commissioner, Kendriya Vidyalaya Sangathan, 18-Institutional Area, Shaheed Jeet Singh Marg, New Delhi-16
2. The Commissioner, Navodaya Vidyalaya Samiti, B-15, Sector-62, Institutional Area, Noida-201309
3. Additional Chief Secretary/Principal Secretary/School Education, Governments of Delhi/Sikkim/Chandigarh/Arunachal Pradesh/Andaman And Nicobar Islands/Odisha/Chhattisgarh/Tripura
4. The Director of Education, Directorate of Education, Govt. of NCT of Delhi, Old Secretariat, Delhi-110 054
5. The Director of Public Instructions (Schools), Union Territory Secretariat, Sector 9, Chandigarh-160 017
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10. The Director, Central Tibetan School Administration, ESSESS Plaza, Community Centre, Sector 3, Rohini
11. The Additional Director General of Army Education, A – Wing, Sena Bhawan, DHQ, PO, New Delhi-110001
12. The Secretary AWES, Integrated Headquarters of MoD (Army), FDRC Building No. 202, Shankar Vihar (Near APS), Delhi Cantt-110010
13. The Under Secretary (EE-1), MHRD, Govt. of India, Department of SE&L, Shastri Bhawan, New Delhi-01
14. All Regional Directors/Regional Officers of CBSE with the request to send this circular to all the Heads of the affiliated schools of the Board in their respective regions
15. All Joint Secretaries/ Deputy Secretaries/ Assistant Secretaries/ Analysts (Academic, Training and Skill Unit), CBSE
16. In charge IT Unit with the request to put this circular on the CBSE Academic website
17. The Head Public Relations Unit, CBSE
18. PPS to Chairperson, CBSE
19. SPS to Secretary, CBSE
20. SPS to Director (EDUSAT, Research and Development), CBSE
21. SPS to Director (Information Technology), CBSE
22. SPS to Director (Academics), CBSE
23. SPS to Controller of Examinations, CBSE
24. SPS to Director (SE & T), CBSE
25. SPS to Director (Professional Exams), CBSE

