



# SECONDARY SCHOOL CURRICULUM 2021-22



**CENTRAL BOARD OF SECONDARY EDUCATION**

Academic Unit, Shiksha Sadan, 17, Rouse Avenue, New Delhi-110 002

Secondary School Curriculum 2021-22

Class IX-X

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# THE CONSTITUTION OF INDIA

## PREAMBLE

**WE, THE PEOPLE OF INDIA**, having solemnly resolved to constitute India into a <sup>1</sup>**[SOVEREIGN SOCIALIST SECULAR DEMOCRATIC REPUBLIC]** and to secure to all its citizens :

**JUSTICE**, social, economic and political;

**LIBERTY** of thought, expression, belief, faith and worship;

**EQUALITY** of status and of opportunity; and to promote among them all

**FRATERNITY** assuring the dignity of the individual and the<sup>2</sup> [unity and integrity of the Nation];

**IN OUR CONSTITUENT ASSEMBLY** this twenty-sixth day of November, 1949, do **HEREBY ADOPT, ENACT AND GIVE TO OURSELVES THIS CONSTITUTION.**

1. Subs, by the Constitution (Forty-Second Amendment) Act, 1976, sec. 2, for "Sovereign Democratic Republic" (w.e.f. 3.1.1977)
2. Subs, by the Constitution (Forty-Second Amendment) Act, 1976, sec. 2, for "unity of the Nation" (w.e.f. 3.1.1977)

# THE CONSTITUTION OF INDIA

## Chapter IV A

### FUNDAMENTAL DUTIES

#### ARTICLE 51A

**Fundamental Duties** - It shall be the duty of every citizen of India-

- (a) to abide by the Constitution and respect its ideals and institutions, the National Flag and the National Anthem;
- (b) to cherish and follow the noble ideals which inspired our national struggle for freedom;
- (c) to uphold and protect the sovereignty, unity and integrity of India;
- (d) to defend the country and render national service when called upon to do so;
- (e) to promote harmony and the spirit of common brotherhood amongst all the people of India transcending religious, linguistic and regional or sectional diversities; to renounce practices derogatory to the dignity of women;
- (f) to value and preserve the rich heritage of our composite culture;
- (g) to protect and improve the natural environment including forests, lakes, rivers, wild life and to have compassion for living creatures;
- (h) to develop the scientific temper, humanism and the spirit of inquiry and reform;
- (i) to safeguard public property and to abjure violence;
- (j) to strive towards excellence in all spheres of individual and collective activity so that the nation constantly rises to higher levels of endeavour and achievement;
- <sup>1</sup>(k) who is a parent or guardian to provide opportunities for education to his/her child or, as the case may be, ward between age of six and fourteen years.

1. Ins. by the constitution (Eighty - Sixth Amendment) Act, 2002 S.4 (w.e.f. 12.12.2002)

# भारत का संविधान

## उद्देशिका

हम, भारत के लोग, भारत को एक सम्पूर्ण प्रभुत्व-संपन्न समाजवादी पंथनिरपेक्ष लोकतंत्रात्मक गणराज्य बनाने के लिए, तथा उसके समस्त नागरिकों को:

सामाजिक, आर्थिक और राजनैतिक न्याय,  
विचार, अभिव्यक्ति, विश्वास, धर्म

और उपासना की स्वतंत्रता,  
प्रतिष्ठा और अवसर की समता

प्राप्त कराने के लिए

तथा उन सब में व्यक्ति की गरिमा

<sup>2</sup>और राष्ट्र की एकता और अखंडता

सुनिश्चित करने वाली बंधुता बढ़ाने के लिए

दृढ़संकल्प होकर अपनी इस संविधान सभा में आज तारीख 26 नवम्बर, 1949 ई० को एतद्वारा इस संविधान को अंगीकृत, अधिनियमित और आत्मार्पित करते हैं।

1. संविधान ( बयालीसवां संशोधन ) अधिनियम, 1976 की धारा 2 द्वारा ( 3.1.1977 ) से “प्रभुत्व-संपन्न लोकतंत्रात्मक गणराज्य” के स्थान पर प्रतिस्थापित।
2. संविधान ( बयालीसवां संशोधन ) अधिनियम, 1976 की धारा 2 द्वारा ( 3.1.1977 ) से “राष्ट्र की एकता” के स्थान पर प्रतिस्थापित।

## भाग 4 क

### मूल कर्तव्य

**51 क. मूल कर्तव्य** – भारत के प्रत्येक नागरिक का यह कर्तव्य होगा कि वह –

- (क) संविधान का पालन करे और उसके आदर्शों, संस्थाओं, राष्ट्रध्वज और राष्ट्रगान का आदर करे;
- (ख) स्वतंत्रता के लिए हमारे राष्ट्रीय आंदोलन को प्रेरित करने वाले उच्च आदर्शों को हृदय में संजोए रखे और उनका पालन करे;
- (ग) भारत की प्रभुता, एकता और अखंडता की रक्षा करे और उसे अक्षुण्ण रखे;
- (घ) देश की रक्षा करे और आह्वान किए जाने पर राष्ट्र की सेवा करे;
- (ङ) भारत के सभी लोगों में समरसता और समान भ्रातृत्व की भावना का निर्माण करे जो धर्म, भाषा और प्रदेश या वर्ग पर आधारित सभी भेदभाव से परे हों, ऐसी प्रथाओं का त्याग करे जो स्त्रियों के सम्मान के विरुद्ध हैं;
- (च) हमारी सामासिक संस्कृति की गौरवशाली परंपरा का महत्त्व समझे और उसका परिरक्षण करे;
- (छ) प्राकृतिक पर्यावरण की जिसके अंतर्गत वन, झील, नदी, और वन्य जीव हैं, रक्षा करे और उसका संवर्धन करे तथा प्राणी मात्र के प्रति दयाभाव रखे;
- (ज) वैज्ञानिक दृष्टिकोण, मानववाद और ज्ञानार्जन तथा सुधार की भावना का विकास करे;
- (झ) सार्वजनिक संपत्ति को सुरक्षित रखे और हिंसा से दूर रहे;
- (ञ) व्यक्तिगत और सामूहिक गतिविधियों के सभी क्षेत्रों में उत्कर्ष की ओर बढ़ने का सतत प्रयास करे जिससे राष्ट्र निरंतर बढ़ते हुए प्रयत्न और उपलब्धि की नई उंचाइयों को छू ले;
- <sup>1</sup>(ट) यदि माता-पिता या संरक्षक है, छह वर्ष से चौदह वर्ष तक की आयु वाले अपने, यथास्थिति, बालक या प्रतिपाल्य के लिये शिक्षा के अवसर प्रदान करे।

1. संविधान ( छयासीवां संशोधन ) अधिनियम, 2002 की धारा 4 द्वारा प्रतिस्थापित।

# 1. PRINCIPLES OF THE CBSE CURRICULUM

## 1.1 CBSE Curriculum

The curriculum refers to the lessons and educational content to be taught to a learner in a school. In empirical terms, it may be regarded as the sum total of a planned set of educational experiences provided to a learner by a school. It encompasses general objectives of learning, competencies to be attained, courses of study, subject-wise learning outcomes and content, pedagogical practices and assessment guidelines. The curriculum provided by CBSE is based on National Curriculum Framework-2005 and seeks to provide opportunities for students to achieve excellence in learning.

## 1.2 Salient Features of the CBSE Secondary School Curriculum

The Curriculum prescribed by CBSE strives to:

1. provide ample scope for holistic i.e. physical, intellectual and social development of students;
2. emphasize constructivist rather than rote learning by highlighting the importance of hands-on experience;
3. enlist general and specific teaching and assessment objectives to make learning competency-based;
4. encourage the application of knowledge and skills in real-life problem solving scenarios;
5. uphold the 'Constitutional Values' by encouraging values-based learning activities;
6. promote Critical and Creative Thinking aligned to the 21st Century Skills in classrooms;
7. integrate innovations in pedagogy such as experiential learning, Sport & Art-Integrated Learning, toy-based pedagogy, storytelling, gamification etc. with technological innovations (ICT integration) to keep pace with the global trends in various disciplines;



8. promote inclusive practices as an overriding consideration in all educational activities;
9. enhance and support learning by different types of assessments; and
10. integrate environmental education in various disciplines from classes I- XII.

### 1.3 Objectives of the Curriculum

The Curriculum aims to:

1. achieve cognitive, affective and psychomotor excellence;
2. enhance self-awareness and explore innate potential;
3. attain mastery over laid down competencies;
4. imbibe 21st century learning, literacy and life skills;
5. promote goal setting, and lifelong learning;
6. inculcate values and foster cultural learning and international understanding in an interdependent society;
7. acquire the ability to utilize technology and information for the betterment of humankind;
8. strengthen knowledge and attitude related to livelihood skills;
9. develop the ability to appreciate art and show case talents;
10. Promote physical fitness, health and well-being.
11. Promote arts integrated learning.

### 1.4 Curriculum Areas at Secondary Level

CBSE envisions the all-around development of students in consonance with the holistic approach to education and therefore, has done away with

artificial boundary between the co-curricular domain and the curricular domain.

Secondary Curriculum provides students a broad and balanced understanding of subjects including languages, Mathematics, Science, and Social Science to enable students to communicate effectively, analyze information, make informed decisions, construct their worldview in alignment with constitutional values and move ahead in the direction of becoming productive citizens. The recent focus of CBSE is on the development of 21st-century skills in settings where each student feels independent, safe, and comfortable with their learning. The Board hopes that schools will try to align curriculum in a way so that children feel more connected to it and employ their learning in real-life contexts. To achieve this aim, it is extremely important that children acquire adequate knowledge and skills in other core areas like Health and Physical Education, Life Skills, Values Education, Art Education, Work Education.

In an operational sense, the secondary curriculum is learner-centered with school being a place where students would be acquiring various skills; building self-concept, sense of enterprise, aesthetic sensibilities, and sportsmanship. Therefore, for the purpose of fostering core competencies in learners, this curriculum encompasses major learning areas as under:

Languages 1	Compulsory
Languages 2	
Social Science	
Mathematics	
Science	
Elective Subjects	Optional
Health and Physical Education	<b>Compulsory Subjects having only school based internal assessment</b>
Work Experience*	
Art Education	

\* subsumed in Health and Physical Education



## 1.5 Curricular Areas:-

The curriculum envisages individual learning propensity and seeks to explore the potential of students in acquiring knowledge and skills. With greater orientation and research skills in core areas, students would evolve as judicious young adults with a sense of real self-estimate having true values and principles. The curricular areas are as follows:

- (i) **Languages** include Hindi, English and 37 other languages. The curricula in languages focus on listening, speaking, reading and writing skills and, hence, develop effective communicative proficiencies. Learners use language to comprehend, acquire and communicate ideas in an effective manner.
- (ii) **Social Science** (Geography, History, Economics and Political Science) intends to make learners understand their cultural, geographical and historical milieus and gain in-depth knowledge, attitude, skills and values necessary to bring about transformation for a better world. Social Science includes the learning of history and culture, geographical environment, global institutions, constitutional values and norms, politics, economy, interpersonal and societal interactions, civic responsibilities and the incorporation of the above-mentioned learning. Learners appreciate and value everyone's right to feel respected and safe, and, also understand their Fundamental Rights and Duties and behave responsibly in the society.
- (iii) **Science:** (Biology, Chemistry and Physics) includes gaining knowledge about Food, Materials, The World of the Living, How things work, Moving things, People and Ideas, Natural Phenomenon and Natural Resources. The Focus is on knowledge and skills to develop a scientific attitude and to use and apply such knowledge for improving the quality of life. The Curriculum promotes the ability to engage with science-related issues, and with the ideas of science, as a reflective citizen by being able to explain phenomena scientifically, evaluate and design



scientific enquiry, and interpret data and evidence scientifically. Students understand the importance of to apply scientific knowledge in the context of real-life situations and gain competencies that enable them to participate effectively and productively in life.

- (iv) **Mathematics** includes acquiring the concepts related to number sense, operation sense, computation, measurement, geometry, probability and statistics, the skill to calculate and organize, the ability to apply this Knowledge and acquired skills in their daily life and the skills to think mathematically. It also includes understanding of the principles of reasoning and problem solving. Children learn to rationalize and reason about pre-defined arrangements, norms and relationships in order to comprehend, decode, validate and develop relevant patterns.
- (v) **Skills Electives-** A well-skilled workforce is one of the key requirements for the prosperity and growth for any country. Some skills come from general education, but specific occupational skills are also important. Typically initial vocational education and training systems have a big part to play in supplying these skills. To develop skills and talents as a form of free expression, Board offers variety of competency based subjects under NSQF like Retail, Information Technology, Marketing & Sales, Banking, Finance, AI etc. Choosing any one Skill subject at secondary level can helps the child to pursue what truly interests or pleases him or her. This liberty promotes a sense of self-esteem in accepting one's own talents and strengths.

The curriculum and the study material for the Skill Electives is available on the CBSE academic website under the tab 'Skill Education' and can be accessed through the link: <http://cbseacademic.nic.in/skill-education.html>.

- (vi) **Art Education** entails instruction in various art forms (visual as well as performing) with an aim to help children develop an interest for arts and encourage them to enthusiastically participate in related activities,



thus, promoting abilities such as imagination, creativity, valuing arts and cultural heritage. In addition, Arts should be integrated with other subjects to promote creative thinking and expression

- (vii) **Health and Physical Education** focuses on holistic development, both mental and physical, understanding the importance of physical fitness, health, wellbeing and the factors that contribute to them. Focus of this area is on helping children develop a positive attitude and commitment to lifelong, healthy active living and the capacity to live satisfying, productive lives with the help of health management, indigenous sports, Yoga, NCC, self-defense, fitness and life style choices.
- (viii) **Work Experience:** The Work Experience has been subsumed in the Health and Physical Education, however, it is an integral part of the curriculum and is given as much as focus as Health and Physical Education.

## 1.6 Integrating all areas of learning:

All these eight areas are to be integrated with each other in terms of knowledge, skills (life and livelihood), comprehension, values and attitudes. Children should get opportunities to think laterally, critically, identify opportunities, challenge their potential and be open to new ideas. Children should be engaged in practices that promote physical, cognitive, emotional and social development and wellbeing, connect different areas of knowledge, application and values with their own lives and the world around them. The holistic nature of human learning and knowledge should be brought forth while transacting the curriculum to make them good citizens who can contribute in making the world a happy place.

## 2. IMPLEMENTATION OF CURRICULUM

### 2.1 School Curriculum Committee

The Board mandates that all schools must setup a School Curriculum

Committee comprising teachers from each area. The School Curriculum Committee would define activities for pedagogical practices, evolve a plan of assessment and mechanism of feedback and reflection and ensure its implementation. The committee would also ensure that the textbooks/reference materials are age appropriate, incorporate inclusive principles, gender sensitive, have valid content and do not contain any material which may hurt the sentiments of any community. The committee will then send the list of books to the Principal to take action as per para 2.4.7 (b) of the Affiliation Byelaws, 2018. The committee would also ensure that the reference materials reflect conformity with the underlying principles of the Constitution of India and are compliant with NCF-2005. Issues of gender, social, cultural and regional disparities must be taken care of in the curriculum transaction.

## 2.2 Pedagogical Leadership:

All Principals have a crucial role to play in the evolution of the teaching-learning ecosystem as the Head and pedagogical leader of their schools. In the role of school pedagogical leader, the Principal is expected to undertake the following:

- (a) Lead, Guide and Support the teaching and learning processes in the school by focusing on classroom specific requirements for transacting the curriculum, so that both teachers and students perform at their optimal best.
- (b) Direct the entire focus of all school activities towards the students' learning and acquiring of necessary competencies. Every activity taken up by the school, therefore, should be mapped for the educational competencies, and for life skills, values, etc., being acquired by the students.
- (c) Prepare Annual Pedagogical Plan of the school by designing and developing annual plan for the school by giving equal importance to all areas.



- (d) Promote innovative pedagogy, with special focus on integrating art, sports and ICT (Information and Communication Technology) with education, and use of active and experiential learning methods in the classrooms.
- (e) Ensure joyful learning at all levels through use of such innovative pedagogy.
- (f) Develop school specific resources for teaching and learning, in the form of lesson plans, e-content, use of mathematics and science kits developed by NCERT, etc.
- (g) Ensure proper in-house training of teachers in the school to enable them to unleash their own unique capabilities and creativity in their classrooms.
- (h) To be up to date with all new ideas and tools, etc. being used in education at the global level and constantly innovate the pedagogy of the school.
- (i) To make efforts to learn from the best practices of other schools, by arranging for discussions with Principals of such schools, or through observation visits of teachers to other schools.

The Board has not laid down the structure or format of the annual pedagogical plan as the Board respects educational autonomy of every school and expects each school to prepare its own unique and innovative annual plan. This plan must be an implementable one with realistic timelines that should include administrative inputs and detailed pedagogical aspects.

### 2.3 Pedagogical Practices by Teachers

The pedagogical practices should be learner centric. Teachers are expected to ensure such an atmosphere for students where they feel free to ask questions. They would promote active learning among students with a focus on reflections, connecting with the world around them, creating and

constructing knowledge. The role of a teacher should be that of a facilitator who would encourage collaborative learning and development of multiple skills through the generous use of resources via diverse approaches for transacting the curriculum.

Teachers should follow inclusive principles and not label children as 'slow learners' or 'bright students', or 'problem children'. They should instead attend to the individual difference of students by diagnosing and modifying their pedagogic planning. As far as possible, Arts should be integrated in teaching, especially while teaching the concept which students find difficult to understand.

## 2.4 Competency based Learning:

To face the challenges of 21st Century, education should be competency based and Principals as Pedagogical Leaders must create conducive environment for the development of competencies among the students. Competency based Learning focuses on the student's demonstration of desired learning outcomes as central to the learning process. Learning outcomes are statements of expected outcomes that the student will be able to do to know, understand and/or be able to demonstrate after completion of a process of learning as a result of learning the activity. Therefore, the focus is on measuring learning through attainment of prescribed learning outcomes. Experiential and active learning are the preferred pedagogies for Competency Based Learning as they promote critical thinking, creativity and effective study skills among students. Learning Outcomes approach developed by NCERT for classes I-X that is enclosed with each subject should be adopted by all the schools and teaching-learning process may be changed in the light of these outcomes. The schools are expected to have well-defined Learning objectives for every grade that are observable and measurable, and empower learners to focus on mastery of valuable skills and knowledge. It is expected that teachers will provide meaningful and joyful learning experiences to the students by adopting variety of innovative pedagogies or instructional activities and go beyond textbooks. Schools are expected to



track the attainment of Learning Outcomes by each learner and ensure that no child is left behind. CBSE has also come out with suggestive mapping of learning outcomes with NCERT curriculum which can be adopted/ adapted by schools. CBSE has also mapped each learning outcome with assessment to enable tracking of learning progress and these resources are available at the website of CBSE in the form of **Teachers Energized Resource Material**. Schools should also attempt this on their own.

## 2.5 Lesson/ Unit Plan

Specific Lesson Plans for the topics are to be prepared by the teachers. These plan may have the following parts:

- ❖ Specific Learning Outcomes;
- ❖ Pedagogical Strategies;
- ❖ Group activities/experiments/hands-on-learning;
- ❖ Interdisciplinary Linkages and infusion of Life-skills, Values, Gender sensitivity etc.;
- ❖ Resources (including ICT);
- ❖ Assessment items for measuring the attainment of the Learning Outcome
- ❖ Feedback and Remedial Teaching Plan.
- ❖ Inclusive Practices

## 2.6 Classroom and School Environment

School environment should be conducive for holistic development of the students. The school should focus on health and hygiene by adopting inclusive practices. As part of the policy the school should adopt practices which will promote mental health. In this direction, the schools may follow the guidelines issued by the Board on making the school a No-Anger Zone or Anger Free Zone. The board has developed school health manuals which are

available on [www.cbseacademic.nic.in](http://www.cbseacademic.nic.in). The time table in the school should take care of proper rest and the children learn subjects with relaxation. School must also ensure that Children avoid the intake of junk food and should ban it around school premises. Intake of the healthy foods should be encouraged with activities described in circular issued by CBSE.

The surroundings and daily life activities and situations are the best experiential teachers for the students. Teachers must make efforts to draw examples and group activities from daily life observations within the classroom/within the school and surroundings, and encourage presentations and reflection by the students once the activity is completed, to develop the skills of critical thinking and communication.

Children learn a lot through peer learning. To promote peer learning, flexible seating arrangements may be made available during the classroom transactions. The seating should also take care of the needs of the students with disabilities as well. Learning should focus on individual differences and promote collaborative learning. The classroom activities must be connected to the immediate environment of children. The school should maintain connection with the parents and the progress of children should be communicated to the parents, and, if needed remedial measures be taken up for improving the learning outcomes.

## 2.7 Creating Cross-Curricular Linkages

Creating cross-curricular linkages are vital to learning as they help to connect prior knowledge with new information. For example, Mathematical data handling and interpretation can be effectively applied in geography and science. Children can write better-framed answers in history, geography and science when they have learnt how to write explanations/short descriptions in a language. Similarly, Life Skills like empathy, problem solving and interpersonal communications can be easily integrated with the study of literature and other areas. Universal Values, Life Skills and Constitutional Values with emphasis on realization of Fundamental Duties may be incorporated depending upon context in almost all the subjects.



## 2.8 Special emphasis on Integrating Arts in education:

All disciplines being pursued by students at all stages require creative thinking and problem-solving abilities. Therefore, when Art is integrated with education, it helps the child apply art-based enquiry, investigation and exploration, critical thinking and creativity for a deeper understanding of the concepts/topics. Secondly, Art Integrated learning is a strong contender for experiential learning, as it enables the student to derive meaning and understanding, directly from the learning experience. Thirdly, this kind of integration not only makes the teaching and learning process joyful, it also has a positive impact on the development of certain life skills, such as, communication skills, reflection and enquiry skills, un-conditioning of the mind leading to higher confidence levels and self-esteem, appreciation for aesthetics and creativity, etc. Fourthly, this kind of integration broadens the mind of the student, and enables him/her to see the multi-disciplinary links between subjects, topics, and real life. Schools are, thus, required to take up the integration of Art with the teaching learning process.

It must be understood that Art Education and Art Integrated Education may be mutually exclusive, but they build upon each other and strengthen each other. Art Education is not only relevant for developing creativity and appreciation of art among students, but is also necessary for inculcating art-based enquiry skills in the students. Art Education is a necessary precursor for the adoption of Art Integrated learning.

### 2.8.1 Art Education and Art Integration:

The following two-pronged approach is followed:

- (i) Art education continues to be an integral part of the curriculum. The schools may also promote and offer Visual and Performing Arts based subjects at the Secondary and Senior Secondary level.
- (ii) Art is also integrated with the teaching and learning process of all subjects from classes 1 to 12, to promote active and experiential



learning for “connecting knowledge to life outside the school, ensuring that learning shifts away from rote methods and for enriching the curriculum, so that it goes beyond textbooks.”

### 2.8.2 Art Integrated Pedagogy:

While preparing its annual pedagogical plan under the leadership of the Principal of the school, the school must plan out in detail the Art Education to be imparted at various levels, and how that Art can be integrated with classroom learning of various subjects. The focus must be on mutually reinforcing Art as a subject and Art as a tool for learning, with efforts towards seamless integration. Team teaching (combination of subject teachers and Art teachers) would also strengthen the integration.

For implementing this in classrooms, the subject teacher picks the topic/concept/idea that she wants to teach by integrating Art. The teacher can do this jointly with the Art teacher too. Then, the subject teacher collaborates with the Art teacher to align the pedagogy. Next, the teacher teaches the topic/concept/idea ensuring active learning and ensuring that both the subject and Art are integrated well and there is learning in both areas. Finally, the teacher prepares a rubric to assess the student in both the areas - that is, the topic taught and the Art used.

### 2.9 21st Century Skills:

There is an increased awareness among the educators of the need to integrate what are called as 21st Century skills in educational systems. There are three key 21st century skills;

There are three key 21st century skills i.e. Learning Skills, Literacy Skills and Life Skills.

#### **Learning skills include:**

- Critical Thinking
- Creativity



- Communication
- Collaboration

**Literacy skills include:**

- Information literacy
- Media literacy
- Technology literacy

**Life skills include:**

- Flexibility
- Leadership
- Initiative
- Productivity
- Self-awareness

The need of the hour is that schools must focus on enhancing the skills required for a successful adult life in 21st Century. It is important that the students are able to think scientifically, mathematically or artistically to face the real-life challenges in an information and technology driven world and enhance their inherent potential. CBSE has published a handbook on 21<sup>st</sup> century skills available at its website. Schools may further refer to it.

## 2.10 Inclusive Education:

Inclusive approach in education is a prerequisite for ensuring full participation of all students with equal opportunity in all areas without any discrimination. Inclusive attitude in all staff and faculty members is crucial for successful inclusive education. Therefore, all the members of teaching and non-teaching staff should be sensitized on the issues of inclusive education. Students without disabilities should also be sensitized. Schools must organize these sensitization programmes with the support of experts from respective field of disabilities. Capacity Building Programmes

on Inclusive Education may be organized in collaboration with the CBSE- Centres of Excellence. Board has made the appointment of special educator mandatory to all the schools affiliated to the CBSE. Special Educators must possess the qualification as prescribed by the Rehabilitation Council of India. (CBSE Circular No. 31/2015). CBSE has published a handbook on Inclusive Education available at its website.

### 3. SCHEME OF STUDIES

#### 3.1 Subjects to be offered:

Class IX and X is a composite course. Students need to take only those subjects in class IX which they intend to continue in Class-X. Subjects can be offered as under:

Subjects		Names of the subjects	Group
Compulsory	Subject 1	Language I (Hindi -Course A or Hindi -Course B or English Language and Literature )	Group-L
	Subject 2	Language II (Any one from the Group of Languages (Group-L) other than the Language chosen as Subject 1)	Group-L
	Subject 3	Mathematics - Basic or Mathematics Standard	Group- A1
	Subject 4	Science	
	Subject 5	Social Science	
Optional	Subject 6	Skill subject	Group-S
	Subject 7	Language III /Any subject other than opted above	Group-L/Group-A2
Subjects of	Subject 8 and 9	Art Education	
Internal Assessment	Assessment and certification at school level	Health & Physical Education Work Experience*	

**\*Work experience is subsumed in Health and Physical Education**



- (a) The Board Examination in Mathematics is held at two levels in Class X. However, it is not applicable to the internal assessment done in Mathematics at the school level in class X. For details please refer Circular No. Acad. 03/2019. It may be noted that the students who are opting Mathematics - Basic will have the option of taking Applied Mathematics (241) as an Elective at Class XI/Sr. Secondary though they may not be permitted to take Mathematics (041) at Sr. Secondary level. However a student who has opted Mathematics - standard can offer any one of the two available Mathematics at Sr. Secondary level.
- (b) If a student fails in any one of the three compulsory subjects (i.e. Science, Mathematics and Social Science) and passes in the Skill subject (offered as sixth optional subject), then that subject will be replaced by the Skill subject and the result of Class X Board examination will be computed accordingly.
- (c) If a student fails in any language subject, out of first five subjects, the same will be replaced by the language taken as sixth subject (in case of no skills subjects offered) or as seventh subject (optional), provided that he or she has passed this language and after replacement either Hindi or English remains as a passed language in the first five subjects.
- (d) It is expected that all the students would have studied three languages up to class VIII. Those students who could not clear the third language in class VIII and have been promoted to class IX, shall be examined by the concerned schools at the end of Class IX in the same syllabus and textbooks as prescribed for class VIII. Those who are still unable to clear the third language at the end of class IX may be given another opportunity in class X. No student shall be eligible to appear in the Secondary School Examination of the Board at the end of class X unless she/he has passed in the third language. However, students with disabilities are exempted from the study of third language.
- (e) Either Hindi or English must be one of the two languages to be studied in class IX and X. Hindi and English can also be offered simultaneously.

In Hindi, two courses have been provided for class IX and X keeping in view the varying backgrounds of the students and a student may either opt for Hindi A (Code 002) or Hindi B (Code 085).

- (f) Students offering additional sixth skill subject may also offer an additional language III/ any subject as seventh subject.
- (g) Out of the three subjects - Computer Application (Code 165), Information Technology (Code 402) and Artificial Intelligence (code 417) - only one can be offered. A combination of any of these subjects is not permitted.
- (h) For Skill subjects, only those subjects can be offered for which permission has been given by the Department of Skill Education, CBSE.
- (i) Board is extending several exemptions/concessions to candidates with disabilities as defined in the "THE RIGHTS OF PERSONS WITH DISABILITIES ACT 2016". Exemptions/Concessions extended to Persons with Benchmark Disabilities for Class X & XII Examinations conducted by the Board and the Standard Operating Procedure for availing these concessions are available on :

[https://www.cbse.gov.in/cbsenew/Examination\\_Circular/2019/5\\_CIRCULAR.pdf](https://www.cbse.gov.in/cbsenew/Examination_Circular/2019/5_CIRCULAR.pdf)

Schools and candidates may also refer to the circulars issued by the Board from time to time on this matter.

- (j) For Regional Languages, the Board prescribes the textbooks being followed in classes IX and X in the respective State Boards where the language is taught. Schools are also advised to bring to the notice of CBSE the changes, if any, brought out at the commencement of the session by the respective State Boards, in the textbooks of the language of their State. Schools are directed to strictly follow the textbooks prescribed by CBSE in its curriculum. Changes, if any, can be adopted only after CBSE notifies it.



### 3.2 List of subjects offered at Secondary Level:

LANGUAGE ( GROUP-L)							
S	CODE	NAME		Theory Marks	Time (h)	Internal Marks	Total Marks
1	002	HINDI COURSE-A	(ANY ONE )	80	03	020	100
	085	HINDI COURSE-B		80	03	020	100
2	184	ENGLISH LANG & LIT.		80	03	020	100
3	003	URDU COURSE-A	(ANY ONE)	80	03	020	100
	303	URDU COURSE-B		80	03	020	100
4	004	PUNJABI		80	03	020	100
5	005	BENGALI		80	03	020	100
6	006	TAMIL		80	03	020	100
7	007	TELUGU	Any One	80	03	020	100
	089	TELUGU TELANGANA		80	03	020	100
8	008	SINDHI		80	03	020	100
9	009	MARATHI		80	03	020	100
10	010	GUJARATI		80	03	020	100
11	011	MANIPURI		80	03	020	100
12	012	MALAYALAM		80	03	020	100
13	013	ODIA		80	03	020	100
14	014	ASSAMESE		80	03	020	100
15	015	KANNADA		80	03	020	100
16	016	ARABIC		80	03	020	100
17	017	TIBETAN		80	03	020	100
18	018	FRENCH		80	03	020	100
19	020	GERMAN		80	03	020	100
20	021	RUSSIAN		80	03	020	100
21	023	PERSIAN		80	03	020	100
22	024	NEPALI		80	03	020	100
23	025	LIMBOO		80	03	020	100
24	026	LEPCHA		80	03	020	100
25	092	BODO		80	03	020	100
26	093	TANGKHUL		80	03	020	100
27	094	JAPANESE		80	03	020	100
28	095	BHUTIA		80	03	020	100
29	096	SPANISH		80	03	020	100
30	097	KASHMIRI		80	03	020	100
31	098	MIZO		80	03	020	100

32	099	BAHASA MELAYU	80	03	020	100
33	122	SANSKRIT	80	03	020	100
34	131	RAI	80	03	020	100
35	132	GURUNG	80	03	020	100
36	133	TAMANG	80	03	020	100
37	134	SHERPA	80	03	020	100
38	136	THAI	80	03	020	100

### COMPULSORY SUBJECTS (GROUP-A1)

S	CODE	NAME	Theory Marks	Time (h)	Internal Marks	Total Marks	
1	041	MATHEMATICS -STANDARD	(ANY ONE )	80	03	020	100
	241	MATHEMATICS - BASIC		80	03	020	100
2	086	SCIENCE	80	03	020	100	
3	087	SOCIAL SCIENCE	80	03	020	100	

### OTHER SUBJECTS (GROUP- A2)

S	CODE	NAME	Theory Marks	Time (h)	Internal Marks	Prac- tical	Proj- ect	Total Marks	
1	031	CARNATIC MUSIC (VOCAL)	(ANY ONE )	30	02	020	50	--	100
	032	CARNATIC MUSIC (MELODIC INSTRUMENTS)		30	02	020	50	--	100
	033	CARNATIC MUSIC (PERCUSSION INSTRUMENTS)		30	02	020	50	--	100
	034	HINDUSTANI MUSIC (VOCAL)		30	02	020	50	--	100
	035	HINDUSTANI MUSIC (MELODIC INSTRUMENTS)		30	02	020	50	--	100
	036	HINDUSTANI MUSIC (PERCUSSION INSTRUMENTS)		30	02	020	50	--	100
2	049	PAINTING	30	03	020	50	--	100	
3	064	HOME SCIENCE	70	03	--	30	--	100	
4	076	NATIONAL CADET CORPS (NCC)	70	03	30	--	--	100	
5	165*	COMPUTER APPLICATIONS	50	02	--	50	--	100	
6	154	ELEMENTS OF BUSINESS	70	03	--	30	--	100	
7	254	ELEMENTS OF BOOK- KEEP- ING & ACCOUNTANCY	70	03	--	--	30	100	



### SKILL SUBJECTS (GROUP-S)

S No	Code	Name	Job Roles	Marks Distribution	
				Theory	Practical
1	401	Retailing	Store Operations Assistant	50	50
2	402*	Information Technology	Domestic IT Executive/ Operator	50	50
3	403	Security	Unarmed Security Guard	50	50
4	404	Automotive	Automotive Service Technician	50	50
5	405	Introduction To Financial Markets	Business Correspondent	50	50
6	406	Introduction To Tourism	Assistant Tour Guide	50	50
7	407	Beauty & Wellness	Assistant Beauty Therapist	50	50
8	408	Agriculture	Solanaceous Crop Cultivator	50	50
9	409	Food Production	Assistant Chef (reg.)	50	50
10	410	Front Office Operations	Front Office Executive	50	50
11	411	Banking & Insurance	Field Executive	50	50
12	412	Marketing & Sales	Marketing Assistant	50	50
13	413	Health Care	General Duty Assistant	50	50
14	414	Apparel	Hand Embroider	50	50
15	415	Multi Media	Texture Artist	50	50
16	416	Multi Skill Foundation Course	Multi Skill Assistant	50	50
17	417*	Artificial Intelligence		50	50
18	418	Physical Activity Trainer (New)		50	50

\*Out of the three subjects with codes - 165, 402 and 417 - only one subject can be offered.

The curriculum and the study material for the Skill Electives is available on the CBSE



academic website under the tab 'Skill Education' and can be accessed through the link: <http://cbseacademic.nic.in/skill-education.html>.

### LIST OF SKILL COURSES OFFERED AT MIDDLE LEVEL (FOR CLASSES VI / VII / VIII)

S. No.	COURSE NAME	Duration in Hours	MARKS DISTRIBUTION	
			Theory	Practical
1	Artificial Intelligence	12	15	35
2	Beauty & Wellness	12	15	35
3	Design Thinking	12	15	35
4	Financial Literacy	12	15	35
5	Handicrafts	12	15	35
6	Information Technology	12	15	35
7	Marketing/ Commercial Application	12	15	35
8	Mass Media	12	15	35
9	Travel & Tourism	12	15	35

### 3.3 Instructional Time

Instructional time shall be as per the subjects selected. Schools must ensure that minimum number of hours are spent for each subject as specified in the curriculum. The time duration for the subjects has been clearly indicated in the syllabus of each subject. However, it is expected that schools will create innovative Timetables (such as, teaching-learning only 2 subjects per day etc.) to ensure that the burden of the bag and homework are substantially reduced and the classroom transaction are based on experiential processes. Schools may also think of introducing bag-less day and same may be incorporated in the time tables. The time table must also include the mandatory periods for compulsory areas including Health and Physical Education.

### 3.4 Medium of Instruction

The medium of instruction in general in all the schools affiliated with the Board shall either be Hindi or English.



## 4. STRUCTURE OF ASSESSMENT SCHEME

The Assessment scheme will have an 80 marks component for Board examination (class X) and Annual Examination (class IX) in all subjects except compulsory subjects to be assessed internally along with a 20 marks component of Internal Assessment. Students have to secure 33 percent in total in each of these components.

This condition has been relaxed vide Notification No. CBSE/Coord/DS/EC dated 11/10/2018 available at:

[https://www.cbse.gov.in/cbsenew/Examination\\_Circular/2018/15\\_CIRCULAR.pdf](https://www.cbse.gov.in/cbsenew/Examination_Circular/2018/15_CIRCULAR.pdf)

As the Board is progressively allowing more space to 'learning outcome based' assessment in place of textbook driven assessment, question papers of Board examinations will have more questions based on real-life situations requiring students to apply, analyse, evaluate and synthesize information as per the stipulated outcomes. The core-competencies to be assessed in all questions, however, will be from the prescribed syllabus and textbooks recommended therein. This will eliminate predictability and rote learning to a large extent.

### 4.1 Board Examination for (Class X) and Annual Examination (class IX) for 80 marks For Class X:

The Board Examination in each subject will cover entire syllabus of Class-X. Grades corresponding to the marks shall be on the basis of 9-point grading system. Grades will be awarded in each scholastic subject. For awarding the grades, the Board will put all the passed students in a rank order and will award the grades as follows:

A-1	Top 1/8th of the passed candidates
A-2	Next 1/8th of the passed candidates
B-1	Next 1/8th of the passed candidates
B-2	Next 1/8th of the passed candidates
C-1	Next 1/8th of the passed candidates
C-2	Next 1/8th of the passed candidates
D-1	Next 1/8th of the passed candidates
D-2	Next 1/8th of the passed candidates
E*	Essential Repeat

**Notes:-**

- (a) Minor variations in proportion of candidates to adjust ties will be made.
- (b) In case of a tie, all the students getting the same score, will get the same grade. If the number of students at a score point need to be divided into two segments, the smaller segment will go with the larger.
- (c) Method of grading will be used in subjects where the number of candidates who have passed is more than 500.
- (d) In respect of subjects where total number of candidates passing a subject is less than 500, the grading would be adopted on the pattern of grading and distribution in other similar subjects.

**For Class IX:**

The assessment scheme will be similar to class X Board examination. However, the grading in class IX will be as follows:

<b>Grading Scale for Scholastic Areas (Class-IX)</b> (School will award grades as per the following grading scale)	
<b>MARKS RANGE</b>	<b>GRADE</b>
91-100	A1
81-90	A2
71-80	B1
61-70	B2
51-60	C1
41-50	C2
33-40	D
32 and below	*Essential Repeat



- ❖ Absolute grading in class IX is used keeping in view the number of students appearing from any particular school as against positional grading used for class X.

## 4.2 Internal Assessment (20 Marks):

One time year-end examination is complimented and supplemented with Internal Assessment (IA) that assesses students in diverse manner, at different times and also examines a broad range of curriculum objectives. IA, in effect school-based assessment, plays the dual role of providing a complete picture of students' abilities or progress towards fulfilling the aims of education and informing teachers' of students' progress and therefore supporting classroom learning. It also informs the individual learner about his/ her progress over a period of time enabling them to develop strategies to improve learning.

### 4.2.1 Periodic Assessment (05 Marks)

The main purpose of Periodic Assessment is to assess the learning progress of students. Such Assessment done at regular intervals provides feedback and insight to teachers regarding learners' needs and helps them to improve instruction, do remedial teaching and set curricular targets for a student or a group of students. The feedback also helps students to know their errors as well as strengths and weaknesses. The students, thus, are enabled for better learning and setting up realistic goals. In essence, this is assessment for, of and as learning. Periodic Assessment is further divided into the following:

**Periodic Tests (05 marks):** As earlier, these would be restricted to 3 in each subject in a year and the average of best 2 would to be taken for final submission of marks. These tests tend to follow a pattern, which is quite similar to the final end of course examination, and have a gradually increasing portion of content. Hence, they also tend to prepare students for final summative exams in a more confident manner.

### 4.2.2 Multiple Assessment (05 marks):

Multiple assessment strategies relevant to particular learning outcomes are advised over the period of curriculum transaction. The subject teachers would determine the type and frequency of these. This would make assessment more comprehensive and provide schools/teachers flexibility to use multiple and diverse techniques to assess learners viz. observation, oral tests, individual or group work, class discussion, field-work, concept maps, graphic organizers, visual representation etc. Hence, the schools are given autonomy to use alternate modes of assessment as per the demand of the subject and the context towards addressing the goal of assessment for and as learning, such as, quizzes, project-work, Self and peer assessment, collaborative projects, experiments, classroom demonstrations, etc.

Caution must be observed that recording of such assessment is not cumbersome and can be easily translated into individual student scores. Thus, developing simple scoring criteria and rubrics becomes of equal importance when deciding to use a particular technique. In tune with purpose of periodic assessment, i.e., to provide feedback to improve teaching and learning, it becomes of equal importance to use follow-up measures incase students are found deficient in proficiency of relevant learning outcomes.

### 4.2.3 Portfolio (05 marks):

The creation of portfolios is suggested to broaden the scope of learning and achieve diverse curriculum outcomes by examining a range of evidence of student performances being assessed.

#### **What is a portfolio?**

A portfolio is a collection of chosen work by a student representing a selection of performances that is collected over time and describes the learner's efforts, progress, and achievement in key areas. It is a tool for assessing a variety of skills not usually testable in a single setting of the traditional written paper and pencil tests. Assessment would include self and



peer assessment among others. Its use is recommended as a support to the new instructional approaches that emphasize student's role in constructing knowledge and understanding.

For a more simple approach, it is suggested that the portfolio take the form of a journal or notebook that would include besides classwork, students artifacts selected within a coherent framework along with their reflections. Learner here is an active participant involved in constructing his or her journey through the portfolio building process of selecting, organizing and reflecting. Now Schools are expected to develop the portfolios as per para 4.2.2 (a) above.

This portfolio can be seen both as a process and as a product:

- a. As a product, it holds the performance records and documents, a student has produced during the learning course and represents a collection of their learning achievements.
- b. As a process, it enables learners to monitor their own learning systematically, reflect on their performance, redirect their efforts and set future goals.

What purposes does a portfolio serve? A portfolio

- ◆ offers the possibility of assessing more complex and important aspects of a learning areas or subject matter that can't be assessed through traditional forms of testing;
- ◆ provides a profile of learner's abilities - in-depth growth and progress
- ◆ helps to develop among students an awareness of their own learning. The focus on self-assessment and reflection helps students to identify their strengths and weaknesses thereby facilitating setting up of realistic improvement goals. The active role that students plays in self assessment not only motivates them but also

help to develop metacognitive skills which enable them to make adjustments not only in their learning in school but beyond as well;

- ◆ provides an opportunity to share own learning with peers and review and give feedback on each other's work. Peer Assessment thus becomes a great support that further facilitates a clear understanding and evaluation of personal goals;

### How to prepare a portfolio?

It is suggested that the portfolios would include classwork and homework assignments that would help evaluate learner's progress. Besides this, portfolio should be a space for student to display his/her exemplary work in the related area. The attention should be to promote techniques such as annotation, identification of key words / topics/ themes, summarization and organization of ideas and content, photos, presentations, assignments, art integrated learning, etc.

The sample of creative work and evidences that demonstrate process skills or development of critical thinking or problem solving merit inclusion as well. A periodic review of the evidences included in the portfolio would facilitate self-assessment by learners who would be more aware of their own learning and be able to identify their strengths and weaknesses. The portfolio also provides an opportunity to learners to share and comment on each other's work. Such peer assessment facilitates understanding of criteria of good work to students. It is advised that such criteria be developed and made clear to students. Initially this self and peer assessment would be a guided endeavor.

### Assessing Portfolios

Students' portfolio can be effectively evaluated using a simple scoring rubric. The criteria - to be used in determining the quality of a particular student's portfolio needs to be carefully developed and shared with students. The key elements of the particular criteria need to be specified as well.



Suggested are some elements to judge student's portfolio:

- ◆ Organization - Neatness, Creativity and Visual Appeal
- ◆ Completion of guided work focused on specific curricular objectives
- ◆ Evidences of student's growth
- ◆ Inclusion of all relevant work (Completeness)

Teachers can include other subject relevant criteria and elements to assess portfolios.

**A Word of Caution:** Portfolios need to be developed in an easy to manage form. They need to be meaningful but simple and accessible. Developing them should not be a burden on students- both in terms of cost and time.

#### 4.2.4 Subject Enrichment Activities (05 marks):

Subject enrichment activities aligned with the secondary school curriculum aim at enrichment of the understanding and skill development. They provide in-depth learning that motivates students to dig deeper into the discipline. These enrichment activities need to challenge students and permit them to apply knowledge to the next level. These activities become an important instrument to learn the processes by which knowledge is generated in a particular discipline. They ought to provide opportunity to students to explore their own interests as well along with an understanding of the nature of particular discipline.

It is important that the Subject Enrichment Activities be conducted with rigour and focus. Some suggestions for this are as follows:

**Languages** provide ample space and the autonomy to subject teachers to develop relevant listening and speaking skills. Teachers need to use this opportunity to full advantage and use excerpts from relevant suitable literature to develop vocabulary and heighten students' awareness and sensitivity.

The specified activities in practical work in **Science** and **Mathematics** need



to be conducted in the investigatory spirit in congruence to the aims and objectives of the subject. The focus must shift from confirmatory nature of lab experiments to explorations that focus on development of science processes. Students need to be encouraged to raise questions, generate hypotheses, experiment, innovate and find solutions to questions/ problems encountered.

The discipline of **Social Science** puts the responsibility on concerned teachers to facilitate students to design and execute relevant projects. It is suggested that social science being the subject relevant to social context, projects be related to Art and culture and include development of Life Skills too. Art is not only about self - expression but is more about perceptions and a special way of understanding and responding to work. Exploring into ideas and meanings through the works of artists/experts/ writers/poets, the students would develop imagination and critical awareness.

### 4.3 Art Education

Art Education constitutes curricular activities for the development of the wholesome personality of the children, aesthetic sensibilities and respect for social values and cultural heritage. It encourages learners to develop creative expression, sharpens keen observation and develops a sense of organization and order. Students may select one form each from Visual Arts (drawing, painting, murals, collages, crafts, sculpture, etc.) and Performing Arts (dance, music, drama, puppetry and Folk Art forms etc.). Children's participation in activities/competitions organized and conducted throughout the year form the basis of assessing the student by the Visual Art/Performing Art teacher.

### 4.4 Health and Physical Education (Sports/ Self-Defence /Yoga/ NCC etc.)

Health and Physical Education focuses on holistic development, both mental and physical, understanding the importance of physical fitness, health, wellbeing and the factors that contribute to them. Focus of this



area of curriculum is on helping children develop a positive attitude and commitment to life long, healthy and active living and the capacity to live satisfying, productive lives with the help of health, hygiene and sanitation, work experience, indigenous sports, yoga, NCC, self-defense, fitness and lifestyle choices.

Health and Physical Activities, preferably sports must be given one regular period per day. Students should be provided opportunities to get professionally trained in the area of their interest. Indigenous sports, yoga and NCC must be encouraged in the schools as they develop physical fitness, discipline, sportsmanship combined with patriotism, self-sacrifice and health care. Similarly Self-defense may be actively taught to students, especially girl students, as it instills confidence and empowers them. The teachers should ensure that the students get opportunities to participate in activities of their choice and help them in identifying and nurturing their talents and gain confidence. The Physical Education teacher will maintain the record of all the Health and Physical Education activities/competitions that each of the children participate in. The Comprehensive School Health Manuals (four volumes) brought out by CBSE could be referred to for detailed information and the graded activities could be taken up as part of the curriculum in school.

To address the Health aspect of HPE, qualified doctors should examine children once in a year along with a follow-up session during the year. School should also bring any noticeable disability in a student to the notice of the school counselor and parents. Cases of special needs of students with medical history must be carefully noted and handled accordingly. Detailed information on the Comprehensive Physical and Health Education Curriculum is enclosed with this document.

## 4.5 Assessment of Art Education and Health and Physical Education

Assessment of Art Education and Health and Physical Education may be continuously done by collecting information, reflecting on and using that information to review children's progress and to plan future learning experiences. The documented data, after interpretation, should be reflected in the Report Card of the children in the form of grades.

In the existing scheme of assessment, these activities will be graded on a 5- point grading scale (A to E) for classes IX-X and will have no descriptive indicators. The students shall be assessed on two areas i.e. Art Education, Health and Physical Education. Work Experience is subsumed in the Physical and Health Education. No up scaling of grades will be done.

The concerned teacher would make an objective assessment of the level of performance/ participation demonstrated by a student throughout a year and finally assign grades.

### 4.5.1 Parameters of Assessment

While the students are engaged in the core areas like Health and Physical Education and Art Education, the process is as important as the product. Hence, the assessment in these areas should take account of both aspects. The basis of assessment has been suggested below:

Area	Product	Process
Health and Physical Education including Work Experience	Overall fitness	Participation, team- spirit, commitment and honest effort.
Art Education	Expression, creativity and Aesthetic appeal	Participation, Creative process, material use, appreciation, reflection, effort, craftsmanship and completion



#### 4.5.2 Details of Five-point Grading for Art Education (Class IX and X)

Grade	Connotation
A	Exemplary
B	Proficient
C	Developing
D	Emerging
E	Beginner

#### 4.5.3 Distribution of Periods/ Grades for Internal Assessment in Health and Physical Education (with Work Experience subsumed in it)

Strand	Periods (Approx)	Grades*
<b>1. GAMES</b> Athletics/ Swimming Team Games Individual Games/ Activity Adventure Sports	90 periods	While filling online data, following grades may be filled against HPE: Class IX-X: Grade (A-E) on 5-point scale (A, B, C, D, E)
<b>2. Health and Fitness</b>	50 periods	
<b>3. SEWA</b>	50 periods	Grades of SEWA is considered against Work Experience Class IX-X: Grade (A-E) on 5-point scale (A, B, C, D, E)
<b>4. Health and Activity Card</b>	10 periods	
<b>Total</b>	<b>200 Periods</b>	

\* Refer the detailed HPE guidelines available on [www.cbseacademic.nic.in](http://www.cbseacademic.nic.in), including the above amendment

## 4.6 Development of competencies through Student Enrichment activities:

In the recent past the board has been organizing various activities for promoting various 21st century skills. Following are some such activities introduced with the intention of enhancement of the skills and values.

S. No.	Student Enrichment Activity	Skills/Values to be Enhanced
1	Story Telling Competition	Thinking Skills: Creative, Analytical, Evaluative
2	Reading Week	Communication Skills
3	Fastest Reading Contest	Linguistic Skills
4	Aryabhata Ganit Challenge	Reasoning Abilities Problem Solving Skills Critical thinking Analytical thinking Ability to manipulate precise and intricate ideas Ability to construct logical arguments
5	CBSE Heritage India Quiz	Values of respect for diversity and tolerance Awareness about preserving Indian heritage and monuments Critical thinking skills Appreciation for rich heritage and diversity of the country
6	Science Exhibition	Critical and Creative Thinking Skills Problem Solving Skills
7	Science Literacy Promotion Test	Scientific Temperament Connecting Science to day to day life
8	Expression Series	Creative Thinking Skills Communication Skills
9	Eco-Club Activities	Awareness about Environmental Conservation and Protection
10	Swachhata Abhiyan	Clean lines Habits



11	Ek Bharat Shrestha Bharat	Spirit of Patriotism and Unity Creative Skills
12	Rashtriya Ekta Diwas	
13	Inter School Band Competition	
14	Fit India School Week	Healthy lifestyle
15	CBSE Inter-School Sports & Games Competitions	
16	International Day of Yoga	
17	Matri bhasha Diwas	Awareness of Linguistic and Cultural traditions, Values of Tolerance and Dialogue, Communication Skills
18	The Constitution Day	importance of Constitution, its history, structure and implications to citizens orientation to composite culture and diversity of our nation awareness of Fundamental Rights and Duties as enshrined in the Indian Constitution.
19	Art Integrated Project	application of art-based enquiry, investigation and exploration, critical thinking and creativity for a deeper understanding of the concepts/ topics promotes experiential learning as it enables to derive meaning and understanding directly from the learning enables students to see the multi-disciplinary linkages between subjects, topics, and real life.

Schools are encouraged to ensure that their students participate in these activities of the Board for making the students future-ready and also for becoming a holistic learner.

#### 4.7 Suggestions for Teachers

Teachers should encourage participation of each child in some activity or the others. They must ensure that no child is left out from participation in activities organized by the Board or at the class/school or at interschool level. By carefully examining the behavior / skills / competencies of children in the class on all possible occasions, teachers will maintain records of

the performance of learners. Schools should encourage teachers to work collaboratively with other teachers for facilitating and assessing learner's performance and then finally assigning grades.

#### **4.8 Discipline (Attendance, Sincerity, Behavior, Values)**

Discipline significantly impacts career shaping and helps build character, sincerity, self-control, perseverance, good behavior and values. The concept of discipline should not be confused with strict authoritarian environment and the students should be given freedom to share their doubts and ideas with teachers regarding class work. Constitutional and universal values should also be encouraged amongst students. Hygiene, sanitation, dedication, honesty, truthfulness, kindness, empathy respect for the environment, elders and all living things etc. are the values that our students must actively practice. Parents may also support schools in cultivating disciplined behavior in their wards. Class teacher will grade the students on a Five-point scale (A to E) keeping in view the overall attendance, sincerity, values and behavior of the students. Values Education Resource Book and Kit developed by CBSE may be used for inculcating values in students.

#### **4.9 Rules regarding Admission and Examination**

Regarding eligibility for Admission, Eligibility for Examination, Scheme of Examination and related information, please see the Examination Bye-Laws of CBSE available on [www.cbse.nic.in](http://www.cbse.nic.in).

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**CENTRAL BOARD OF SECONDARY EDUCATION**

Academic Unit, Shiksha Sadan, 17, Rouse Avenue, New Delhi-110 002





# SENIOR SCHOOL CURRICULUM 2021-22



**CENTRAL BOARD OF SECONDARY EDUCATION**

Academic Unit, Shiksha Sadan, 17, Rouse Avenue, New Delhi-110 002

Senior School Curriculum 2021-22

Class XI-XII

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# THE CONSTITUTION OF INDIA

## PREAMBLE

**WE, THE PEOPLE OF INDIA**, having solemnly resolved to constitute India into a <sup>1</sup>**[SOVEREIGN SOCIALIST SECULAR DEMOCRATIC REPUBLIC]** and to secure to all its citizens :

**JUSTICE**, social, economic and political;

**LIBERTY** of thought, expression, belief, faith and worship;

**EQUALITY** of status and of opportunity; and to promote among them all

**FRATERNITY** assuring the dignity of the individual and the<sup>2</sup> [unity and integrity of the Nation];

**IN OUR CONSTITUENT ASSEMBLY** this twenty-sixth day of November, 1949, do **HEREBY ADOPT, ENACT AND GIVE TO OURSELVES THIS CONSTITUTION.**

1. Subs, by the Constitution (Forty-Second Amendment) Act, 1976, sec. 2, for "Sovereign Democratic Republic" (w.e.f. 3.1.1977)
2. Subs, by the Constitution (Forty-Second Amendment) Act, 1976, sec. 2, for "unity of the Nation" (w.e.f. 3.1.1977)

# THE CONSTITUTION OF INDIA

## Chapter IV A

### FUNDAMENTAL DUTIES

#### ARTICLE 51A

**Fundamental Duties** - It shall be the duty of every citizen of India-

- (a) to abide by the Constitution and respect its ideals and institutions, the National Flag and the National Anthem;
- (b) to cherish and follow the noble ideals which inspired our national struggle for freedom;
- (c) to uphold and protect the sovereignty, unity and integrity of India;
- (d) to defend the country and render national service when called upon to do so;
- (e) to promote harmony and the spirit of common brotherhood amongst all the people of India transcending religious, linguistic and regional or sectional diversities; to renounce practices derogatory to the dignity of women;
- (f) to value and preserve the rich heritage of our composite culture;
- (g) to protect and improve the natural environment including forests, lakes, rivers, wild life and to have compassion for living creatures;
- (h) to develop the scientific temper, humanism and the spirit of inquiry and reform;
- (i) to safeguard public property and to abjure violence;
- (j) to strive towards excellence in all spheres of individual and collective activity so that the nation constantly rises to higher levels of endeavour and achievement;
- <sup>1</sup>(k) who is a parent or guardian to provide opportunities for education to his/her child or, as the case may be, ward between age of six and fourteen years.

1. Ins. by the constitution (Eighty - Sixth Amendment) Act, 2002 S.4 (w.e.f. 12.12.2002)

# भारत का संविधान

## उद्देशिका

हम, भारत के लोग, भारत को एक सम्पूर्ण प्रभुत्व-संपन्न समाजवादी पंथनिरपेक्ष लोकतंत्रात्मक गणराज्य बनाने के लिए, तथा उसके समस्त नागरिकों को:

सामाजिक, आर्थिक और राजनैतिक न्याय,  
विचार, अभिव्यक्ति, विश्वास, धर्म

और उपासना की स्वतंत्रता,  
प्रतिष्ठा और अवसर की समता

प्राप्त कराने के लिए  
तथा उन सब में व्यक्ति की गरिमा

<sup>2</sup>और राष्ट्र की एकता और अखंडता  
सुनिश्चित करने वाली बंधुता बढ़ाने के लिए

दृढ़संकल्प होकर अपनी इस संविधान सभा में आज तारीख 26 नवम्बर, 1949 ई० को एतद्वारा इस संविधान को अंगीकृत, अधिनियमित और आत्मार्पित करते हैं।

1. संविधान ( बयालीसवां संशोधन ) अधिनियम, 1976 की धारा 2 द्वारा ( 3.1.1977 ) से “प्रभुत्व-संपन्न लोकतंत्रात्मक गणराज्य” के स्थान पर प्रतिस्थापित।
2. संविधान ( बयालीसवां संशोधन ) अधिनियम, 1976 की धारा 2 द्वारा ( 3.1.1977 ) से “राष्ट्र की एकता” के स्थान पर प्रतिस्थापित।

## भाग 4 क

### मूल कर्तव्य

**51 क. मूल कर्तव्य** – भारत के प्रत्येक नागरिक का यह कर्तव्य होगा कि वह –

- (क) संविधान का पालन करे और उसके आदर्शों, संस्थाओं, राष्ट्रध्वज और राष्ट्रगान का आदर करे;
- (ख) स्वतंत्रता के लिए हमारे राष्ट्रीय आंदोलन को प्रेरित करने वाले उच्च आदर्शों को हृदय में संजोए रखे और उनका पालन करे;
- (ग) भारत की प्रभुता, एकता और अखंडता की रक्षा करे और उसे अक्षुण्ण रखे;
- (घ) देश की रक्षा करे और आह्वान किए जाने पर राष्ट्र की सेवा करे;
- (ङ) भारत के सभी लोगों में समरसता और समान भ्रातृत्व की भावना का निर्माण करे जो धर्म, भाषा और प्रदेश या वर्ग पर आधारित सभी भेदभाव से परे हों, ऐसी प्रथाओं का त्याग करे जो स्त्रियों के सम्मान के विरुद्ध हैं;
- (च) हमारी सामासिक संस्कृति की गौरवशाली परंपरा का महत्त्व समझे और उसका परिरक्षण करे;
- (छ) प्राकृतिक पर्यावरण की जिसके अंतर्गत वन, झील, नदी, और वन्य जीव हैं, रक्षा करे और उसका संवर्धन करे तथा प्राणी मात्र के प्रति दयाभाव रखे;
- (ज) वैज्ञानिक दृष्टिकोण, मानववाद और ज्ञानार्जन तथा सुधार की भावना का विकास करे;
- (झ) सार्वजनिक संपत्ति को सुरक्षित रखे और हिंसा से दूर रहे;
- (ञ) व्यक्तिगत और सामूहिक गतिविधियों के सभी क्षेत्रों में उत्कर्ष की ओर बढ़ने का सतत प्रयास करे जिससे राष्ट्र निरंतर बढ़ते हुए प्रयत्न और उपलब्धि की नई उंचाइयों को छू ले;
- <sup>1</sup>(ट) यदि माता-पिता या संरक्षक है, छह वर्ष से चौदह वर्ष तक की आयु वाले अपने, यथास्थिति, बालक या प्रतिपाल्य के लिये शिक्षा के अवसर प्रदान करे।

1. संविधान ( छयासीवां संशोधन ) अधिनियम, 2002 की धारा 4 द्वारा प्रतिस्थापित।

## 1. PRINCIPLES OF THE CBSE CURRICULUM

The curriculum refers to the lessons and educational content to be taught to a learner in a school. In empirical terms, it may be regarded as the sum total of a planned set of educational experiences provided to a learner by a school. It encompasses general objectives of learning, competencies to be attained, courses of study, subject-wise learning outcomes and content, pedagogical practices and assessment guidelines. The curriculum provided by CBSE is based on National Curriculum Framework-2005 and seeks to provide opportunities for students to achieve excellence in learning.

### 1.1 Salient Features of the CBSE Senior Secondary School Curriculum

The Curriculum prescribed by CBSE strives to:

1. provide ample scope for holistic i.e. physical, Intellectual and social development of students;
2. emphasize constructivist rather than rote learning by highlighting the importance of hands-on experience;
3. enlist general and specific teaching and assessment objectives to make learning competency based;
4. encourage the application of knowledge and skills in real life problem solving scenarios;
5. uphold the Constitutional Values by encouraging values-based learning activities;
6. promote Critical and Creative Thinking aligned to the 21st Century Skills in classrooms;
7. integrate innovations in pedagogy such as experiential learning, Sport & Art-Integrated Learning ,toy-based pedagogy, storytelling, gamification etc. with technological innovations (ICT integration) to keep pace with the global trends in various disciplines;



8. promote inclusive practices as an overriding consideration in all educational activities;
9. enhance and support learning by different types of assessments; and
10. integrate environmental education in various disciplines from classes I- XII.

## 1.2 Objectives of the Curriculum

1. achieve desired national level of competencies in cognitive, affective and psychomotor domains;
2. facilitate acquisition of 21st Century Skills and enhance self and social awareness through thematic or multidisciplinary approach;
3. promote Cooperative Learning, Collaborative Learning, Self-directed learning etc. to facilitate realization of learning outcomes;
4. promote Authentic Assessments based on real world tasks involving meaningful application of knowledge and skills;
5. promote Life Skills , inculcate values , foster cultural learning and international understanding in an interdependent society;
6. acquire the ability to utilize technology and information for the betterment of humankind;
7. strengthen knowledge and attitude related to livelihood skills and promote lifelong learning;
8. develop the ability to appreciate art and showcase talents;
9. promote physical fitness, health and well-being

## 1.3 Curriculum Areas at Senior Secondary Level

For the purpose of fostering competences in learners, the curriculum encompasses seven major learning areas, which are: Languages, Humanities, Mathematics, Sciences, Skill Subjects, General Studies and Health and Physical Education. These areas are broadly divided into electives and compulsory areas as detailed below:-

Languages	Electives
Electives	
Skill Electives	
General Studies Health & Physical Education *Work Experience	Compulsory

\*Work experience is subsumed in Health and Physical Education

### 1.3.1 Elective Areas:

- (i) **Languages** include Hindi, English and other 30 languages. The curricula in languages focus on listening, speaking, reading and writing skills for developing effective communicative proficiency. Learners use language to comprehend, acquire and communicate ideas.
- (ii) **Humanities and Social Sciences-** Geography, History, Economics, Home Science, Sociology, Fine Arts, Political Science, and related subjects promote the learning of history and culture, geographical environment, global institutions, constitutional values and norms, politics, economy, interpersonal and societal interactions, civic responsibilities and the interplay of all these. Learners appreciate and value every human's right to feel respected and safe, and, in this regard, also understand their Fundamental Rights and Duties and behave responsibly. Learners learn to be tolerant and empathetic towards others through the study of these subjects.
- (iii) **Sciences:** Biology, Chemistry, Physics, Computer Science, and Informatics Practices help in making students perceptive about matter and energy, nature, the environment, technological breakthroughs in science. The focus is on knowledge and skills to develop a scientific attitude and to use and apply such knowledge for improving the quality of life. The Curriculum promotes the ability to engage with science-related issues, and with the ideas of science, as a reflective citizen by being able to explain phenomena scientifically, evaluate and design



scientific enquiry, and interpret data and evidence scientifically. Students understand the importance of to apply scientific knowledge in the context of real-life situations and gain competencies that enable them to participate effectively and productively in life.

- (iv) **Mathematics** includes acquiring the concepts related to numbers, operations, computation, measurement, geometry, probability and statistics, the skill to calculate and organize and the ability to apply this knowledge and acquired skills in their daily life. It also includes understanding of the principles of reasoning and problem solving. Learners identify, integrate and apply numerical and spatial concepts and techniques. They have clarity of concepts and are able to connect them to the real world. Learners rationalize and reason about pre-defined arrangements, norms and relationships in order to comprehend, decode, validate and develop relevant patterns.
- (v) **Business and commerce based electives-** Business Studies, Accountancy, Entrepreneurship, Economics and related subjects help in gaining understanding about core business disciplines. They understand the concept like, the exchange of items of value or products between persons or companies and the meaning / relevance/ significance of any such exchange of money for a product, service, or information.
- (vi) **Visual; Performing and Creative Arts-** Subjects like Dance, Drama, Music, Heritage Crafts, Fine Arts, Sculpture and related subjects aim to help learners cultivate an interest and appreciation for arts and encourage them to enthusiastically participate in related activities, thus, promoting abilities such as imagination, creativity, value arts, and the cultural heritage.
- (vii) **Skill Electives** help in development of professional competencies, which are analytical, applied and outcome based. Undergoing skills training in schools can help students learn about a trade progressively to create a product and also to become a problem solver in real life.



At present many Skill electives are being offered by the Board in the fields of Hospitality and Tourism, emerging technology like Artificial Intelligence, Geospatial Technology, Finance, Business, and Retail & Insurance etc. Students can also choose subject from diverse areas such as Fashion Design, Agriculture, Banking, Mass-Media Healthcare and many more students.

- (viii) **Health and Physical Education** focuses on holistic development, both mental and physical, understanding the importance of physical fitness, health, well-being and the factors that contribute to them. Focus of this area is on helping learners develop a positive attitude and commitment to lifelong, healthy active living and the capacity to live satisfying, productive lives with the help of health management, indigenous sports, yoga, NCC, self-defense, fitness and lifestyle choices.

These learning areas are to be integrated with each other in terms of knowledge, skills (life and livelihood), comprehension, values and attitudes. Learners should get opportunities to think laterally, critically, identify opportunity, challenge their potential and be open to challenges. Learners value and engage in practices that promote physical, cognitive, emotional and social development and wellbeing. This enables learners to connect different areas of knowledge, application and values with their own lives and the world around them. The holistic nature of human learning and knowledge should be brought forth throughout.

- (ix) **General Studies:** The purpose of orienting students to General Studies is to develop in them an appreciation for the holistic nature of knowledge. In contemporary times, familiarity with General Studies is indispensable because at the senior school stage there is an element of specialization due to which the students do not get exposed to some vital disciplines/areas of study that are not covered in their specialized field. The documents with details of Health and Physical Education and General Studies are available on [www.cbseacademic.nic.in](http://www.cbseacademic.nic.in)



## 2. IMPLEMENTATION OF CURRICULUM

### 2.1 School Curriculum Committee

The Board mandates that all schools must setup a School Curriculum Committee comprising teachers from each curricular area. The School Curriculum Committee would define activities for pedagogical practices, evolve a plan of assessment and mechanism of feedback and reflection and ensure its implementation. The committee would also ensure that the textbooks/ reference materials are age appropriate, incorporate inclusive principles, gender sensitive, have valid content and do not contain any material which may hurt the sentiments of any community. The committee will then send the list of books to the Principal to take action as per para 2.4.7 (b) of the Affiliation Byelaws, 2018. The committee would also ensure that the reference materials reflect conformity with the underlying principles of the Constitution of India and are compliant with NCF-2005. Issues of gender, social, cultural and regional disparities must be taken care of in the curriculum transaction.

### 2.2 Pedagogical Leadership:

Principals have a crucial role in the evolution of the teaching- learning ecosystem as pedagogical leader of their schools. As pedagogical leaders, they are expected to undertake the following:

- a) Lead, Guide and Support the teaching and learning processes in the school by focusing on classroom specific requirements for transacting the curriculum, so that both teachers and students perform at their best.
- b) Direct the entire focus of all school activities towards the students' learning and acquiring of necessary competencies. Every activity taken up by the school, therefore, should be mapped for the competencies, and for life skills, values, etc., being acquired by the students.
- c) Prepare Annual Pedagogical Plan of the school by designing and developing annual plan for the school by giving equal importance to elective and compulsory areas.

- d) Promote innovative pedagogy, with special focus on integrating art, sports and ICT (Information and Communication Technology) with education, and use active and experiential learning methods in the classrooms.
- e) Ensure joyful learning at all levels through use of such innovative pedagogy.
- f) Develop school specific resources for teaching and learning, in the form of lesson plans, e-content, use of mathematics and science kits developed by NCERT, etc.
- g) Ensure proper in-house training of teachers in the school to enable them to unleash their own unique capabilities and creativity in their classrooms.
- h) To be up to date with all new ideas and tools, etc. being used in education at the global level and constantly innovate the pedagogy of the school.
- i) To make efforts to learn from the best practices of other schools, by arranging for discussions with Principals of such schools, or through observation visits of teachers to other schools.

Respecting the autonomy of every school, the Board has not laid down the structure or format of the annual pedagogical plan. A school needs to prepare its unique, implementable and innovative annual plan. This plan must be with realistic timelines that should include administrative inputs and detailed pedagogical aspects.

### 2.3 Pedagogical Practices by Teachers

The pedagogical practices should be learner centric. It is expected of a teacher to ensure an atmosphere for students to feel free to ask questions. They would promote active learning among students with a focus on reflections, connecting with the world around them, creating and constructing knowledge. The role of a teacher should be that of a facilitator who would encourage collaborative learning and development of multiple



skills through the generous use of resources via diverse approaches for transacting the curriculum.

Teachers should follow inclusive principles and not label children as 'slow learners' or 'bright students', or 'problem children'. They should instead attend to the individual difference of students by diagnosing and modifying their pedagogic planning. As far as possible, Arts should be integrated in teaching, especially while teaching the concept which students find difficult to understand.

## 2.4 Competency based Learning:

To face the challenges of 21st Century, education should be competency based and Principals as Pedagogical Leaders must create conducive environment for development of competencies among the students. Competency based Learning focuses on the student's demonstration of desired learning outcomes as central to the learning process. Learning outcomes are statements of abilities that are expected students will gain as a result of learning the activity. Learning outcomes are, thus, statements of what a learner is expected to know, understand and/or be able to demonstrate after completion of a process of learning. Therefore, the focus is on measuring learning through attainment of prescribed learning outcomes, rather than on measuring time. Experiential and active learning are the recommend pedagogies for Competency Based Learning. Experiential Learning promotes critical thinking, creativity and effective study skills among students. Learning Outcomes suggested by NCERT for classes' I-X must be adopted by all the schools and teaching-learning process may be changed in the light of these outcomes. The schools are expected to have well-defined Learning objectives mapped with the stipulated learning outcomes for every grade that are observable and measurable, and empower learners to focus on mastery of valuable skills and knowledge. It is expected that teachers will provide meaningful and joyful learning experiences to the students by adopting variety of innovative pedagogies or instructional activities and go beyond textbooks. Schools are expected to track the attainment of Learning Outcomes in each learner and ensure that no child is left behind.

## 2.5 Lesson/ Unit Plan

Specific Lesson Plans for the topics are to be prepared by the teachers. These plan may have the following parts:

- ❖ Specific Learning Outcomes;
- ❖ Pedagogical Strategies;
- ❖ Group activities/experiments/hands-on-learning;
- ❖ Interdisciplinary Linkages and infusion of Life-skills, Values, Gender sensitivity etc.;
- ❖ Resources (including ICT);
- ❖ Assessment items for measuring the attainment of the Learning Outcome
- ❖ Feedback and Remedial Teaching Plan.
- ❖ Inclusive Practices

## 2.6 Classroom and School Environment

School environment should be conducive for holistic development of the students. The school should focus on health and hygiene by adopting inclusive practices. As part of the policy the school should adopt practices which will promote mental health. In this direction, the schools may follow the guidelines issued by the Board on making the school a No-Anger Zone or Anger Free Zone. The board has developed school health manuals which are available on [www.cbseacademic.nic.in](http://www.cbseacademic.nic.in). The time table in the school should take care of proper rest and intake of healthy foods and the children learn subjects with relaxation. School must also ensure that Children avoid the intake of junk food and should ban it around school premises. Intake of the healthy foods should be encouraged with activities described in circular issued by CBSE.

The surroundings and daily life activities and situations are the best



experiential teachers for the students. Teachers must make efforts to draw examples and group activities from daily life observations within the classroom/within the school and surroundings, and encourage presentations and reflection by the students once the activity is completed, to develop the skills of critical thinking and communication.

Children learn a lot through peer learning. To promote peer learning, flexible seating arrangements may be made available during the classroom transactions. The seating should also take care of the needs of the students with disabilities as well. Learning should focus on individual differences and promote collaborative learning. The classroom activities must be connected to the immediate environment of children. The school should maintain connection with the parents and the progress of children should be communicated to the parents, and, if needed remedial measures be taken up for improving the learning outcomes.

## **2.7 Creating Cross-Curricular Linkages**

Creating cross-curricular linkages are vital to learning as they help to connect prior knowledge with new information. For example, Mathematical data handling and interpretation can be effectively applied in geography and science. Children can write better-framed answers in history, geography and science when they have learnt how to write explanations/short descriptions in a language. Similarly, Life Skills like empathy, problem solving and interpersonal communications can be easily integrated with the study of literature and other areas. Universal Values, Life Skills and Constitutional Values with emphasis on realization of Fundamental Duties may be incorporated depending upon context in almost all the subjects.

## **2.8 Special emphasis on Integrating Arts in education:**

All disciplines being pursued by students at all stages require creative thinking and problem-solving abilities. Therefore, when Art is integrated with education, it helps the child apply art-based enquiry, investigation and exploration, critical thinking and creativity for a deeper understanding of the concepts/topics. Secondly, Art Integrated learning is a strong contender

for experiential learning, as it enables the student to derive meaning and understanding, directly from the learning experience. Thirdly, this kind of integration not only makes the teaching and learning process joyful, it also has a positive impact on the development of certain life skills, such as, communication skills, reflection and enquiry skills, un-conditioning of the mind leading to higher confidence levels and self-esteem, appreciation for aesthetics and creativity, etc. Fourthly, this kind of integration broadens the mind of the student, and enables him/her to see the multi-disciplinary links between subjects, topics, and real life. Schools are, thus, required to take up the integration of Art with the teaching learning process.

It must be understood that Art Education and Art Integrated Education may be mutually exclusive, but they build upon each other and strengthen each other. Art Education is not only relevant for developing creativity and appreciation of art among students, but is also necessary for inculcating art-based enquiry skills in the students. Art Education is a necessary precursor for the adoption of Art Integrated learning.

### **2.8.1 Art Education and Art Integration:**

The following two-pronged approach is followed during a session:

- (i) Art education continues to be an integral part of the curriculum, as a compulsory area at Secondary level. The schools may also promote and offer Visual and Performing Arts based subjects at the Secondary and Senior Secondary level.
- (ii) Art needs to be integrated with the teaching and learning process of all subjects from classes 1 to 12, to promote active and experiential learning for “connecting knowledge to life outside the school, ensuring that learning shifts away from rote methods and for enriching the curriculum, so that it goes beyond textbooks.”

### **2.8.2 Art Integrated Pedagogy:**

While preparing its annual pedagogical plan under the leadership of the Principal of the school, the school must plan out in detail the Art Education



to be imparted at various levels, and how that Art can be integrated with classroom learning of various subjects. The focus must be on mutually reinforcing Art as a subject and Art as a tool for learning, with efforts towards seamless integration. Team teaching (combination of subject teachers and Art teachers) would also strengthen the integration.

For implementing this in classrooms, the subject teacher picks the topic/concept/idea that she wants to teach by integrating art. The teacher can do this jointly with the Art teacher too. Then, the subject teacher collaborates with the Art teacher to align the pedagogy. Next, the teacher teaches the topic/concept/idea ensuring active learning and ensuring that both the subject and Art are integrated well and there is learning in both areas. Finally, the teacher prepares a rubric to assess the student in both the areas - that is, the topic taught and the Art used.

## 2.9 21st Century Skills:

There is an increased awareness among the educators of the need to integrate what are called as 21st Century skills in educational systems. There are three key 21st century skills i.e. Learning Skills, Literacy Skills and Life Skills.

### **Learning skills include:**

- Critical Thinking
- Creativity
- Communication
- Collaboration

### **Literacy skills include:**

- Information literacy
- Media literacy
- Technology literacy



### Life skills include:

- Flexibility
- Leadership
- Initiative
- Productivity
- Self-awareness

Schools must focus on enhancing the skills required for a successful adult life in 21st Century. It is important that the students are able to think scientifically, mathematically or artistically to face the real-life challenges in an information and technology driven world and enhance their inherent potential. CBSE has published a handbook on 21st century skills available at its website. Schools may further refer to it.

## 2.10 Inclusive Education:

Inclusive approach in education is a prerequisite for ensuring full participation of all students with equal opportunity in all areas without any discrimination. Inclusive attitude in all staff and faculty members is crucial for successful inclusive education. Therefore, all the members of teaching and non-teaching staff should be sensitized on the issues of inclusive education. Students without disabilities should also be sensitized. Schools must organize these sensitization programmes with the support of experts from respective field of disabilities. Capacity Building Programmes on Inclusive Education may be organized in collaboration with the CBSE-Centres of Excellence. Board has made the appointment of special educator mandatory to all the schools affiliated to the CBSE. Special Educators must possess the qualification as prescribed by the Rehabilitation Council of India. (CBSE Circular No. 31/2015). CBSE has published a handbook on Inclusive Education available at its website.



### 3. SCHEME OF STUDIES

Class XI and XII is a composite course. Students need to take only those subjects in class XI which he/she intends to continue in class-XII. Students can offer a minimum of 5 or more subjects in class XI. They need to continue the same subjects in class XII.

#### 3.1 Combination of Subjects: Subjects can be offered as under:

Subject		Name of Subjects
Compulsory	Subject 1	Hindi Elective or Hindi Core or English Elective or English Core
	Subject 2	Any one Language from Group - L not opted as Subject 1 <b>OR</b> Any one Elective from the Group - A
	Subject 3, Subject 4, and Subject 5	Any three electives either from Group - A Or Group-S <b>OR</b> Any three from Combination of Group - A and Group - S
Additional Subject Optional	Subject 6	Any one elective or Language from any subject group not opted as subjects 1-5
Subjects of Internal Assessment	Subject 7 to 9 (to be taken by all Regular Candidates)	*Work Experience Health and Physical Education General Studies

\*Work experience is subsumed in Health and Physical Education

- a) Hindi or English must be one of the two languages to be studied in class XI and XII. Hindi and English can also be offered simultaneously. In Hindi and English, two courses have been provided for class XI

and XII keeping in view the varying backgrounds of the students and a student may either opt Hindi Elective (Code 002) or Hindi Core (Code 302) and English Elective (Code-001) or English Core (Code-301). However, the same language cannot be offered both at Core and Elective levels.

In addition to above, the following combinations cannot be taken together;

- 3.1.1.1 Business Studies (Code 054) and Business Administration (Code 833)
  - 3.1.1.2 Out of three Computer Science/IT related subjects i.e. Informatics Practices (065), Computer Science (Code 083), and Information Technology (Code 802), a candidate can opt only for one subject.
  - 3.1.1.3 Biology (Code 044) and Biotechnology (Code 045)
  - 3.1.1.4 Mathematics (Code 041) and Applied Mathematics (Code 241)
- b) The first 5 subjects in the chronological order of filling the subjects in the online registration system/ Mark Sheet are considered as Main subjects.
  - c) A candidate can also offer an additional elective which may either be a language at elective level or, any other elective subject.
  - d) While transacting the Curriculum, due emphasis should be laid on National Identity and Values Education. Schools are expected to draw their own programmes in this area in accordance with the guidelines given from time to time by the Board. Likewise, programmes in General Studies and Health and Physical Education be planned in accordance with the guidelines brought out by the Board.
  - e) For candidates who take 6 subjects (5 main and 1 additional subject) and pass in all 6 subjects, the percentage is to be calculated by the employer/institution/university according to the norms of employer/institution/university in which the candidate will be seeking admission.



- f) If a student has taken 6th subjects, and if he/she fails in any one of first five subjects, the same will be replaced by the 6th subject provided the candidate satisfies the scheme of studies i.e. after replacement either Hindi or English remains as one of the main five subjects.
- g) Skill electives can be offered along with any subject, as per the scheme of studies.
- h) Board is extending several exemptions/concessions to candidates with disabilities as defined in the "THE RIGHTS OF PERSONS WITH DISABILITIES ACT 2016". Exemptions/Concessions extended to Persons with Benchmark Disabilities for Class X & XII Examinations conducted by the Board and the Standard Operating Procedure for availing these concessions are available on :

[https://www.cbse.gov.in/cbsenew/Examination\\_Circular/2019/5\\_CIRCULAR.pdf](https://www.cbse.gov.in/cbsenew/Examination_Circular/2019/5_CIRCULAR.pdf)

Schools and candidates may also refer to the circulars issued by the Board from time to time on this matter.

- i) For Regional Languages, the Board prescribes the textbooks being followed in classes XI and XII in the respective State Boards where the language is taught. Schools are also advised to bring to the notice of CBSE the changes, if any, brought out at the commencement of the session by the respective State Boards, in the textbooks of the language of their State. Schools are directed to strictly follow the textbooks prescribed by CBSE in its curriculum. Changes, if any, can be adopted only when CBSE notifies them. School will be responsible for any issue arising out of School not following Boards' directives.

a. Subjects Offered

**LIST OF SUBJECTS**

LANGUAGES (GROUP - L)						
S No	CODE	NAME		Theory	Practical	IA
1	001	ENGLISH ELECTIVE	Any One	080	---	020
	301	ENGLISH CORE		080	----	020
2	002	HINDI ELECTIVE	Any One	080	----	020
	302	HINDI CORE		080	----	020
3	003	URDU ELECTIVE	Any One	080	---	020
	303	URDU CORE		080	---	020
4	022	SANSKRIT ELECTIVE	Any One	080	----	020
	322	SANSKRIT CORE		080	---	020
5	104	PUNJABI		080	----	020
6	105	BENGALI		080	----	020
7	106	TAMIL		080	----	020
8	107	TELUGU	Any One	080	----	020
	189	TELUGU TELANGANA		080	----	020
9	108	SINDHI		080	----	020
10	109	MARATHI		080	----	020
11	110	GUJARATI		080	----	020
12	111	MANIPURI		080	----	020
13	112	MALAYALAM		080	----	020
14	113	ODIA		080	----	020
15	114	ASSAMESE		080	----	020
16	115	KANNADA		080	---	020
17	116	ARABIC		080	----	020
18	117	TIBETAN		080	----	020



19	118	FRENCH	080	-----	020
20	120	GERMAN	080	-----	020
21	121	RUSSIAN	080	----	020
22	123	PERSIAN	080	----	020
23	124	NEPALI	080	----	020
24	125	LIMBOO	080	----	020
25	126	LEPCHA	080	----	020
26	192	BODO	080	----	020
27	193	TANGKHUL	080	----	020
28	194	JAPANESE	080	---	020
29	195	BHUTIA	080	----	020
30	196	SPANISH	080	----	020
31	197	KASHMIRI	080	----	020
32	198	MIZO	080	----	020

**Academics Electives (GROUP-A)**

S No	CODE	NAME	Theory	Practical	IA			
1	027	HISTORY	080	--	020			
2	028	POLITICAL SCIENCE	080	--	020			
3	029	GEOGRAPHY	070	030	--			
4	030	ECONOMICS	080	---	020			
5	031	CARNATIC MUSIC VO- CAL	030	050	020			
	032	CARNATIC MUSIC MEL. INS.				030	050	020
	033	CARNATIC PER. INS. MRIDANGAM				030	050	020
	034	HINDUSTANI MUSIC VOCAL				030	050	020
	035	HINDUSTANI MUSIC MEL. INS.				030	050	020
	036	HINDUSTANI PER. INS.				030	050	020
6	037	PSYCHOLOGY	070	030	---			

7	039	SOCIOLOGY		080	--	020
8	041	MATHEMATICS	Any One	080	--	020
	241*	APPLIED MATHEMATICS		080	--	020
9	042	PHYSICS		070	030	---
10	043	CHEMISTRY		070	030	----
11	044	BIOLOGY	Any One	070	030	----
	045	BIOTECHNOLOGY		070	030	----
12	046	ENGINEERING GRAPHICS		070	030	----
13	048	PHYSICAL EDUCATION		070	030	----
14	049	PAINTING	Any one	030	070	---
	050	GRAPHICS		030	070	---
	051	SCULPTURE		030	070	--
	052	APPLIED/ COMMERCIAL ART		030	070	---
15	054	BUSINESS STUDIES		080	---	020
16	055	ACCOUNTANCY		080	---	020
17	056	KATHAK - DANCE	Any one	030	070	----
	057	BHARATNATYAM - DANCE		030	070	----
	058	KUCHIPUDI - DANCE		030	070	---
	059	ODISSI - DANCE		030	070	----
	060	MANIPURI - DANCE		030	070	---
	061	KATHAKALI - DANCE		030	070	----
18	064	HOME SCIENCE		070	030	---
19	065	INFORMATICS PRACTICES	Any one	070	030	---
	083	COMPUTER SCIENCE		070	030	---
20	066	ENTREPRENEURSHIP		070	----	030



21	073	KNOWLEDGE TRADITION & PRACTICES OF INDIA	070	----	030
22	074	LEGAL STUDIES	080	---	020
23	076	NATIONAL CADET CORPS (NCC)	070	030	----

### Skills Elective (Group-S)

S. No.	SUB. CODE	NAME	JOB ROLES	MARKS DISTRIBUTION	
				THEORY	PRACTICAL
1.	801	RETAIL	SALES ASSOCIATE	60	40
2.	802	INFORMATION TECHNOLOGY	IT HELPDESK ASSISTANT	60	40
3.	803	WEB APPLICATION	WEB DEVELOPER	60	40
4.	804	AUTOMOTIVE	AUTOMOTIVE SERVICE TECHNICIAN	60	40
5.	805	FINANCIAL MARKETS MANAGEMENT	EQUITY DEALER/ MUTUAL FUND AGENT	60	40
6.	806	TOURISM	TOUR GUIDE	60	40
7.	807	BEAUTY & WELLNESS	BEAUTY THERAPIST	60	40
8.	808	AGRICULTURE	AGRICULTURE EXTENSION WORKER	70	30
9.	809	FOOD PRODUCTION	TRAINEE COMMIE	60	40
10.	810	FRONT OFFICE OPERATIONS	COUNTER SALES EXECUTIVE	60	40
11.	811	BANKING	SALES EXECUTIVE (BANKING PRODUCT)	60	40
12.	812	MARKETING	MARKETING EXECUTIVE	60	40
13.	813	HEALTH CARE	GENERAL DUTY ASSISTANT	60	40
14.	814	INSURANCE	SALES EXECUTIVE (INSURANCE)	60	40
15.	816	HORTICULTURE	FLORICULTURIST (PROTECTED)/ ENTREPREEUR	60	40
16.	817	TYPOGRAPHY & COMPUTER APPLICATION	EXECUTIVE ASSISTANT	60	40



17.	818	GEOSPATIAL TECHNOLOGY	GIS OPERATOR	60	40
18.	819	ELECTRICAL TECHNOLOGY	FIELD TECHNICIAN-OTHER HOME	60	40
19.	820	ELECTRONIC TECHNOLOGY	INSTALLATION TECHNICIAN	60	40
20.	821	MULTI-MEDIA	ANIMATOR	50	50
21.	822	TAXATION	ASSISTANT TAX CONSULTANT / GST ACCOUNTS ASSISTANT	60	40
22.	823	COST ACCOUNTING	JR. ACCOUNTANT	60	40
23.	824	OFFICE PROCEDURES & PRACTICES	EXECUTIVE ASSISTANT	60	40
24.	825	SHORTHAND (ENGLISH)	STENOGRAPHER	60	40
25.	826	SHORTHAND (HINDI)	STENOGRAPHER	60	40
26.	827	AIR-CONDITIONING & REFRIGERATION	SERVICE TECHNICIAN	60	40
27.	828	MEDICAL DIAGNOSTICS	MEDICAL LAB TECHNICIAN	60	40
28.	829	TEXTILE DESIGN	DESIGN ASSISTANT (APPAREL / TEXTILE)	60	40
29.	830	DESIGN	ASSISTANT DESIGNER	50	50
30.	831	SALESMANSHIP	SALES EXECUTIVE	60	40
31.	833	BUSINESS ADMINISTRATION	BUSINESS EXECUTIVE	70	30
32.	834	FOOD NUTRITION & DIETETICS	ASSISTANT DIETICIAN	70	30
33.	835	MASS MEDIA STUDIES	MEDIA ASSISTANT	70	30
34.	836	LIBRARY & INFORMATION SCIENCE	LIBRARY ASSISTANT	70	30
35.	837	FASHION STUDIES	ASSISTANT FASHION DESIGNER	70	30
36.	841	YOGA	YOGA INSTRUCTOR	50	50
37.	842	EARLY CHILDHOOD CARE & EDUCATION	EARLY CHILDHOOD EDUCATOR	50	50
38.	843	ARTIFICIAL INTELLIGENCE (NEW)		50	50



The curriculum and the study material for the Skill Electives are available on the CBSE academic website under the tab 'Skill Education' and can be accessed through the link: <http://cbseacademic.nic.in/skill-education.html>.

### 3.3. Medium of Instruction

The medium of instruction in general in all the schools affiliated with the Board shall either be Hindi or English.

## 4. STRUCTURE OF ASSESSMENT SCHEME

The Assessment scheme will have theory, internal assessment or practical components as per syllabus given for each subject. Board shall conduct Annual examinations for class XII

As the Board is progressively allowing more space to 'learning outcome based' assessment in place of textbook driven assessment, question papers of Board examinations will have more questions based on real-life situations requiring students to apply, analyse, evaluate and synthesize information as per the stipulated outcomes. The core-competencies to be assessed in all questions, however, will be from the prescribed syllabus and textbooks recommended therein. This will eliminate predictability and rote learning to a large extent.

### 4.1 Annual examination:

#### For Class XII

The Board Examination will cover the entire syllabus of Class-XII as per syllabus for each subject. Grades shall be awarded on the basis of 9-point grading system in each elective subject. For awarding the grades, the Board will put all the passed students in a rank order and will award the grades as follows:

A-1	Top 1/8th of the passed candidates	
A-2	Next 1/8th of the passed candidates	
B-1	Next 1/8th of the passed candidates	
B-2	Next 1/8th of the passed candidates	

C-1	Next 1/8th of the passed candidates	
C-2	Next 1/8th of the passed candidates	
D-1	Next 1/8th of the passed candidates	
D-2	Next 1/8th of the passed candidates	
E*	*Essential Repeat	

**Notes:-**

- (i) Minor variations in proportion of candidates to adjust ties will be made.
- (ii) In case of a tie, all the students getting the same score will get the same grade. If the number of students at a score point needs to be divided into two segments, the smaller segment will go with the larger.
- (iii) Method of grading will be used in subjects where the number of candidates who have passed is more than 500.
- (iv) In respect of subjects where the total number of candidates passing as subject is less than 500, the grading would be adopted on the pattern of grading and distribution in other similar subjects.

**For Class XI:**

The assessment scheme will be similar to class XII Board examination and shall be carried out at school level. However, the grading in class XI will be as follows:

<b>Grading Scale for Elective Areas (Class-XI)</b> (School will award grades as per the following grading scale)	
MARK RANGE	GRADE
91-100	A1
81-90	A2
71-80	B1



61-70	B2
51-60	C1
41-50	C2
33-40	D
32 and below	*Essential Repeat

Absolute grading is suggested for class XI keeping in view the number of students appearing from any particular school as against positional grading used for class XII.

#### 4.2 Internal Assessment:

Internal Assessment in different subjects will be as per details given in the syllabus for each subject.

#### 4.3 Assessment of Compulsory Areas

Assessment of compulsory Areas may be continuously done by collecting information, reflecting on and using that information to review children's progress and to plan future learning experiences. The documented data, after interpretation, should be reflected in the Report Card of the children in the form of grades.

In the existing scheme of assessment, these activities will be graded on a 8-point grading scale (A1 to E) for classes XI -XII and will have no descriptive indicators. The students shall be assessed on three areas i.e. Health and Physical Education with Work Experience and General Studies. Work Experience is subsumed in the Health and Physical Education. No up scaling of grades will be done.

The concerned teacher would make an objective assessment of the level of performance/ participation demonstrated by a student throughout the academic year and finally assign grades.

##### Parameters of Assessment

Marks and grades on the basis of 9-point grading system may be awarded in

each compulsory area (General Studies, Health and Physical Education) for classes XI and XII as detailed below:

### Grading for General Studies:

Grade	Description
A1	Top 1/8 <sup>th</sup> of the passed candidates
A2	Next 1/8 <sup>th</sup> of the passed candidates
B1	Next 1/8 <sup>th</sup> of the passed candidates
B2	Next 1/8 <sup>th</sup> of the passed candidates
C1	Next 1/8 <sup>th</sup> of the passed candidates
C2	Next 1/8 <sup>th</sup> of the passed candidates
D1	Next 1/8 <sup>th</sup> of the passed candidates
D2	Next 1/8 <sup>th</sup> of the passed candidates
E	Essential Repeat

### Distribution of Periods/ Grades for Internal Assessment in Health and Physical Education (with Work Experience subsumed in it)

Strand	Periods (Approx.)	Grades*
<b>1. GAMES</b> a) Athletics/ Swimming b) Team Games c) Individual Games/ Activity d) Adventure Sports	90 periods	While filling online data, following grades may be filled against <b>HPE</b> : <b>Class XI-XII: Grade (A-E) on 9-point scale</b>  (A1,A2,B1,B2,C1,C2,D1,D2,E)
<b>2. Health and Fitness</b>	50 periods	
<b>3. SEWA</b>	50 periods	While filling online data, following grades of SEWA shall be filled against Work Education / Work Experience: <b>Class XI-XII: Grade (A-E) on 9-point scale</b> (A1,A2,B1,B2,C1,C2,D1,D2,E)
<b>4. Health and Activity Card</b>	10 periods	- Enclosed separately
<b>Total</b>	<b>200 Periods (Approx.)</b>	-



\* Refer the detailed HPE guidelines available on [www.cbseacademic.nic.in](http://www.cbseacademic.nic.in) with the amendment given above.

#### 4.4 Design of the Question Paper for Board examination:

To ensure flexibility in the assessment at Board examination, the detailed design of the paper is not included in the curriculum document. The details of design of the Q.P shall be subsequently notified with the sample question paper. However the Board examination shall test as per weightage allocated to each area or unit given in the respective subject.

#### 4.5 Development of competencies through Student Enrichment activities:

In the recent pas board has been organizing various activities for promoting various 21st century skills. Following are some such activities introduced with the intention of enhancement of the skills and values.

S. No.	Student Enrichment Activity	Skills/Values to be Enhanced
1	Story Telling Competition	<ul style="list-style-type: none"><li>• Thinking Skills: Creative, Analytical, Evaluative</li><li>• Communication Skills</li><li>• Linguistic Skills</li></ul>
2	Reading Week	
3	Fastest Reading Contest	
4	Aryabhata Ganit Challenge	<ul style="list-style-type: none"><li>• Reasoning Abilities</li><li>• Problem Solving Skills</li><li>• Critical thinking</li><li>• Analytical thinking</li><li>• Ability to manipulate precise and intricate ideas</li><li>• Ability to construct logical arguments</li></ul>
5	CBSE Heritage India Quiz	<ul style="list-style-type: none"><li>• Values of respect for diversity and tolerance</li><li>• Awareness about preserving Indian heritage and monuments</li><li>• Critical thinking skills</li><li>• Appreciation for rich heritage and diversity of the country</li></ul>

6	Science Exhibition	<ul style="list-style-type: none"> <li>• Critical and Creative Thinking Skills</li> </ul>
7	Science Literacy Promotion Test	
8	Expression Series	<ul style="list-style-type: none"> <li>• Problem Solving Skills</li> <li>• Scientific Temperament</li> <li>• Connecting Science to day to day life</li> </ul>
9	Eco-Club Activities	<ul style="list-style-type: none"> <li>• Creative Thinking Skills</li> <li>• Communication Skills</li> </ul>
10	Swachhata Abhiyan	
11	Ek Bharat Shrestha Bharat	<ul style="list-style-type: none"> <li>• Awareness about Environmental Conservation and Protection</li> <li>• Cleanliness Habits</li> </ul>
12	Rashtriya Ekta Diwas	
13	Inter School Band Competition	
14	Fit India School Week	<ul style="list-style-type: none"> <li>• Spirit of Patriotism and Unity</li> <li>• Creative Skills</li> </ul>
15	CBSE Inter-School Sports & Games Competitions	<ul style="list-style-type: none"> <li>• Healthy life style</li> </ul>
16	International Day of Yoga	<ul style="list-style-type: none"> <li>• Attention and concentration powers</li> </ul>
17	Matri bhasha Diwas	<ul style="list-style-type: none"> <li>• Awareness of Linguistic and Cultural traditions</li> <li>• Values of Tolerance and Dialogue</li> <li>• Communication Skills</li> </ul>
Addition in the last table in both the Senior secondary and Secondary Curriculum		
18	The Constitution Day	<p>importance of Constitution, its history, structure and implications to citizens</p> <p>orientation to composite culture and diversity of our nation</p> <p>awareness of Fundamental Rights and Duties as enshrined in the Indian Constitution.</p>



19	Art Integrated Project	application of art-based enquiry, investigation and exploration, critical thinking and creativity for a deeper understanding of the concepts/topics  promotes experiential learning as it enables to derive meaning and understanding directly from the learning  enables students to see the multi-disciplinary linkages between subjects, topics, and real life.
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Schools are encouraged to participate in these activities of the Board for making students future ready.

#### 4.5.1 Rules regarding Admission and Examination

Regarding eligibility for Admission, Eligibility for Examination, Scheme of Examination and related information, please see the Examination Bye-Laws of CBSE available on [www.cbse.nic.in](http://www.cbse.nic.in)





**CENTRAL BOARD OF SECONDARY EDUCATION**

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