

Delhi Board of School Education

Curriculum Policy 2023-24

Senior and Senior Secondary School

Grades IX-XII

Curriculum Policy 2023-24
Secondary and Senior Secondary School Curriculum

Delhi Board of School Education

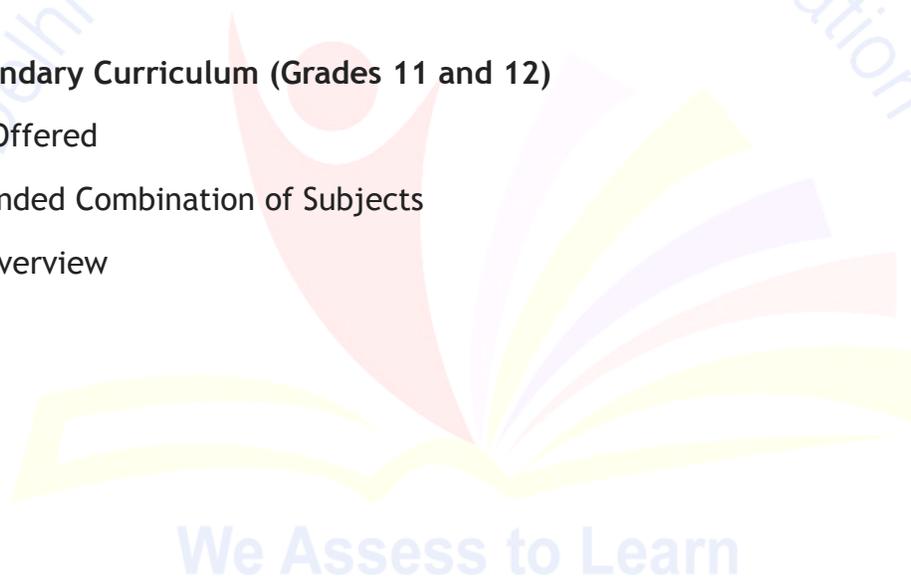
March 2023



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1. Introduction to DBSE Secondary and Senior Secondary Curriculum

1.1. Recognition:

Delhi Board of School Education (DBSE) has been constituted vide Cabinet decision of Government of NCT of Delhi. The board has been granted equivalence by the Association of Indian Universities (AIU) at par with CBSE and other state boards and is mentioned in the list of recognised boards by the Ministry of Education, Government of India. DBSE is a member of the Council of Boards of School Education in India.

1.2. Alignment with NEP

DBSE has adopted practices which exemplify the key ambitions of National Education Policy, 2020. NEP 2020 prioritizes skill development, increased curriculum flexibility for students and specialized schooling in secondary education. Specific related provisions of NEP are as follows:

- 4.4: Move education away from the culture of rote learning, identify specific set of skills and values and develop curriculum frameworks and transaction mechanisms accordingly
- 4.9: Provide increased flexibility and choice of subjects to study, particularly in secondary school; no hard separation between vocational and academic streams
- 4.43: Discover, nurture, foster and develop innate talents in every student and encourage students who show strong interest and capacities in a realm to pursue it beyond general school curriculum

DBSE is inspired by best practices from national and international boards and has developed competency based curriculum framework, pedagogy and assessments. It has partnered with International Baccalaureate (IB) to incorporate innovative curricular and assessment practices.

The board has developed curricula to facilitate both foundational and specialised subjects at Dr. B.R. Ambedkar Schools of Specialised Excellence (ASoSE), Delhi Model Virtual School (DMVS) and Schools of Applied Learning (SoAL). These avenues have provided students the opportunities to study specialised subjects, along with the necessary foundational academic subjects. The board has facilitated a unique opportunity where students with varied interests and aptitude have flexibility and support to study subjects of their choice in secondary and senior secondary education.

DBSE is a progressive state board and aims to continuously adapt itself to suit the evolving priorities and needs of school education. This is an evolving document and is to be considered as a draft curriculum policy.

1.3. Minimum subject requirement:

- 1.3.1. Secondary Certificate:** The Delhi Board of School Education requires all candidates to appear for eight or more subjects in order to be eligible for the Secondary Certificate by DBSE.
- 1.3.2. Senior Secondary Certificate:** The Delhi Board of School Education requires all candidates to appear for six or more subjects in order to be eligible for the Senior Secondary Certificate by DBSE.

1.4. Presupposition of Grade K-8 education:

The Delhi Board of School Education, as an examination board for secondary grades, presupposes a standard school course from Kindergarten to Grade 8.

1.5. Inquiry & Context based approach & Assessment Objectives/Learning Objectives:

The curriculum transacted in DBSE schools is based on the following approaches:

- 1. **Inquiry based approach**, ensuring students are proactive learners in the classroom and are the center of teaching & learning process.
- 2. **Context based learning**, for effective learning and application of the same in their daily lives.
- 3. **Experiential Learning**, to facilitate learning by doing, reflecting, and applying knowledge and skills gained from real life experience.

Each subject in the curriculum offered (List A, B, C and D) is based on key learning objectives/ assessment criteria. These learning objectives/ assessment criteria help students effectively learn the essence of each subject over the course of a particular academic year and build necessary competencies.

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2. Curriculum Overview

DBSE subjects are classified under 4 subject lists offered in the several schools affiliated to the Board including the Dr. B.R. Ambedkar Schools of Specialised Excellence and Schools of Applied Learning. Based on their availability in schools, subjects can be divided across three groups:

2.1. Group 1: Subjects Offered in All Schools

2.1.1. List A: Languages: This includes a combination of Indian and foreign languages that are necessary for students to learn and practice the nuances of effective communication in a variety of local & global contexts. As of now, languages include Hindi, English and other languages. In addition, four foreign languages, that is, German, French, Spanish & Japanese, are also taught in DBSE schools. Focus of the curriculum is on developing foundational skills including reading comprehension, writing, speaking, and listening to begin with and further building on it through advanced training on multiple genres. The curriculum focuses on not only teaching students how to comprehend, acquire & communicate ideas but gain contemporary knowledge and learn the practice of using language as a tool for affecting change & expressing themselves creatively.

2.1.2. List B: Academic Subjects: Academic subjects include disciplines such as Social Sciences, Natural Sciences, Mathematics, and Entrepreneurship Mindset & Design using Digital tools. Learning key competencies & skills further helps students in developing understanding of specialisation.

2.2. Group 2: Subjects Offered in ASoSEs only

Dr. B.R. Ambedkar Schools of Specialised Excellence (ASoSE): The Government of National Capital Territory (NCT) of Delhi has established Dr. B.R. Ambedkar Schools of Specialised Excellence (ASoSE) in order to cater to students who have a demonstrated interest and aptitude in specific domains. These schools seek to discover, foster, and nurture student ability, thereby enabling them to realize their full potential. ASoSEs are choice-based schools for classes 9 to 12 that allow students to specialise in their chosen fields of study. By providing opportunities for enrichment and experiential learning, these schools prepare students to excel in their chosen pathways. The schools prepare students for higher education courses and career pathways which are aspirational in nature and are in alignment with 21st century careers.

There are four main specialisations offered in these schools:

- I. Science, Technology, Engineering, Mathematics (STEM)
- II. Humanities
- III. Performing and Visual Arts
- IV. High-end 21st Century Skills

These schools are governed by the 'Delhi Schools of Specialised Excellence Society' ("the Society") and are affiliated with the Delhi Board of School Education (DBSE).

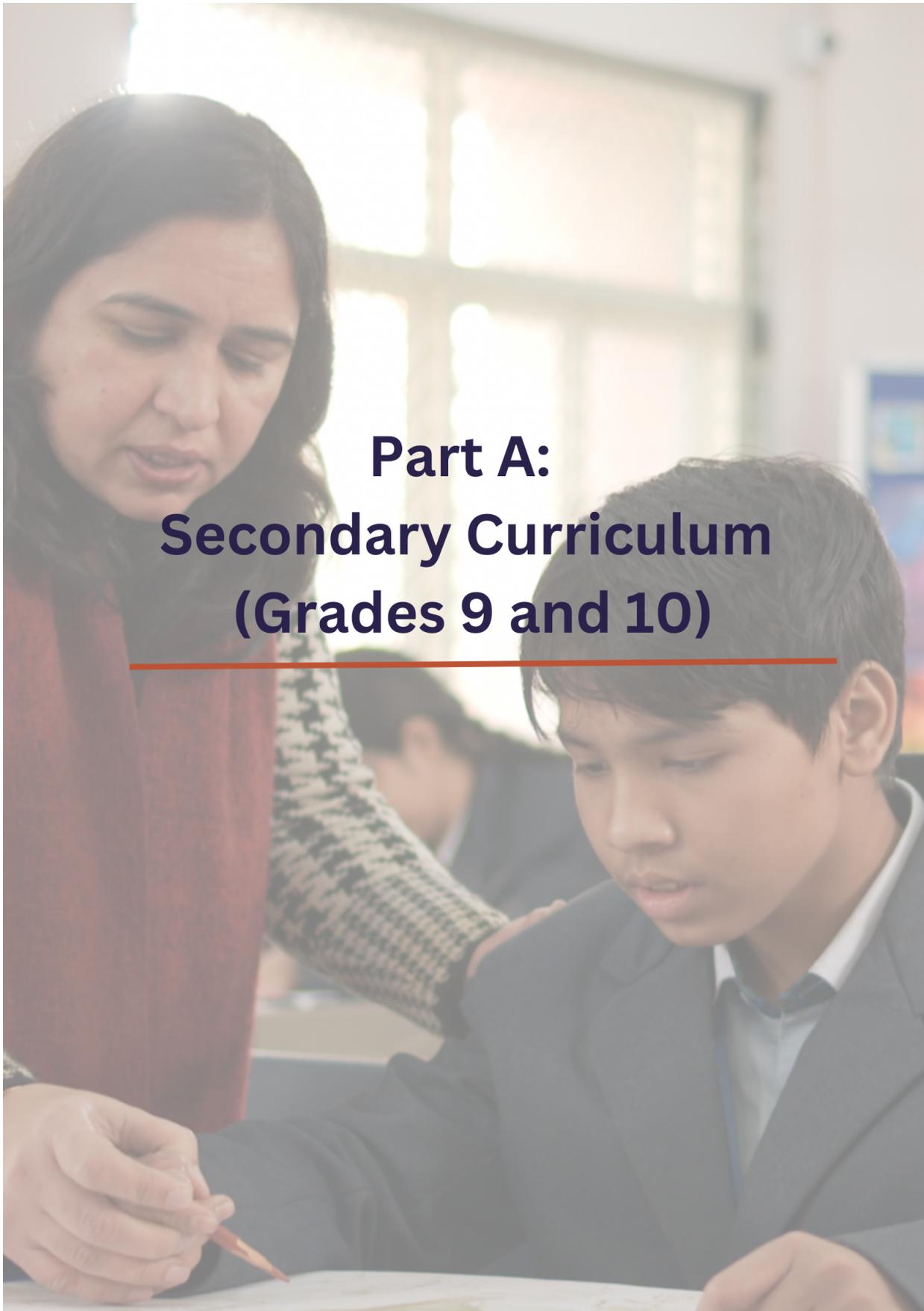
- 2.2.1. List C: Specialised Subjects:** Specialised subjects are across all four domains of specialisations. These subjects empower students to gain proficiency in a range of new-age subjects exclusively prepared by DBSE to provide students with industry-linked knowledge, and practical skills taught through hands-on activities. Subjects include different curricular domains such as coding, electromechanical production, robotics, fashion design, finance & accounting, digital media and design, advanced science, advanced mathematics, legal studies, transmedia storytelling, urban planning, data, research, and analysis, social work, visual arts, music, and filmmaking, acting and media studies.

2.3. Group 3: Subjects Offered in SoALs only

Schools of Applied Learning (SoAL): School of Applied Learning helps students attain hard skills as an integral part of academic pursuit and make skill acquisition aspirational through applied learning. The students in SoAL have the opportunity for experiential learning through projects, field visits, internships, etc. in different domains. This will nurture students to develop a comprehensive understanding and set them up to make informed career decisions.

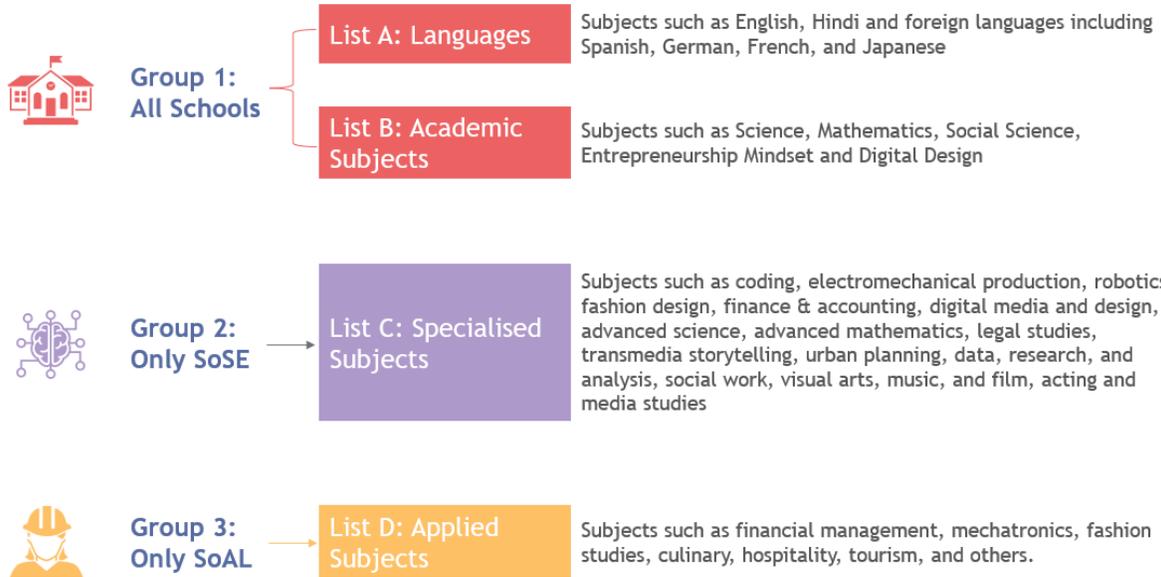
- 2.3.1. List D: Applied Learning Courses:** SoAL gives students an opportunity to discover, foster and nurture innate and hard skills and achieve their highest potential through courses like financial management, mechatronics, fashion studies, culinary, hospitality, tourism, and others. This will prepare them for the future through holistic, experiential and industrial experience which would provide them with both national and international employment opportunities.

Note: Applied learning courses are currently being offered as taster courses in class 9 for AY 2023-24.

A photograph of a female teacher with long dark hair, wearing a red shawl, leaning over a desk to assist a male student in a grey school uniform. The student is looking down at a book or paper on the desk. The background shows a classroom with large windows and other students. The text 'Part A: Secondary Curriculum (Grades 9 and 10)' is overlaid in the center of the image.

**Part A:
Secondary Curriculum
(Grades 9 and 10)**

Subjects Offered



2.3.2. List A: Language Subjects

S. No.	Code	Subject Name	Hours (Per Year)
1	0903	English	75
2	0901	Hindi	75
3	0930	German	75
4	0931	Spanish	75
5	0932	Japanese	75
6	0933	French	75
7	0912	Sanskrit	75
8	0913	Urdu	75
9	0914	Punjabi	75

2.3.3. List B: Academic Subjects

S. No.	Code	Subject Name	Hours (Per Year)
1	0905	Mathematics	75
2	0909	Social Science	75
3	0907	Science	75
4	0911	Entrepreneurship Mindset and Design (EMDD)	75

2.3.4. List C: Specialised Subjects

S. No.	Sub-list	Recommended SoSE	Code	Subject Name	Hours (Per Year)
1	C1	HE-21	0971	Advanced Technologies	150
2	C1	HE-21	0973	Design & Commerce	150
3	C2	Humanities	0963	World of Work	150
4	C2	Humanities	0961	Systems and Societies	150
5	C3	PVA - Music	0983	Music Core	150
6	C3	PVA - Music	0981	Applied Music & Instrument Studies	150
7	C4	PVA - Visual Arts	0987	Visual Art Development & Practice	150
8	C4	PVA - Visual Arts	0985	Creative Expression & Analytic Thinking	150
9	C5	PVA - Filmmaking, Acting & Media Studies	0991	Film & Cinematic Arts	150

S. No.	Sub-list	Recommended SoSE	Code	Subject Name	Hours (Per Year)
10	C5	PVA - Filmmaking, Acting & Media Studies	0989	Media & Communication	150
11	C6	STEM	0953	Advanced Science	150
12	C6	STEM	0951	Advanced Math	150

2.3.5. List D: Applied Learning Courses

S. No.	Code	Subject Name	Hours (Per Year)
1	0992	Financial Management	75
2	0993	Fashion Studies	75
3	0994	Mechatronics	75
4	0995	Nutrition, Food processing & Culinary Skills	75
5	0996	Entrepreneurial Management, Retail, Tourism & Hospitality	75
6	0997	Beauty, Wellness & Healthcare	75

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3. Recommended Combination of Subjects

3.1. Recommended Framework for selection of subjects under Dr. B.R. Ambedkar Schools of Specialised Excellence:

Category	Subjects	Name of Subject Choices	Hours (Per Year)
List A Subjects	2	2 Compulsory Languages:	
		English	75
		Hindi	75
List B Subjects	4	4 Mandatory Academic Subjects:	
		Social Science	75
		Science	75
		Mathematics	75
		Entrepreneurship Mindset and Design (EMDD)	75
List C Subjects	2	Any 2 from the same sub-list i.e. C1-6	
		Subject 1	150
		Subject 2	150

3.2. Schema across 4 Specializations:

Category	Subject List	Name of Subject Choices	Hours
Compulsory	A	English	75
Compulsory	A	Hindi	75
Compulsory	B	Social Science	75
Compulsory	B	Science	75

Compulsory	B	Mathematics	75
Compulsory	B	Entrepreneurship Mindset and Design (EMDD)	75
Compulsory	C	Based on chosen specialisation	150
Compulsory	C		150
Total			750

3.2.1. HE-21: HE-21 ASoSEs aim to build strong academic foundations of students while also ensuring industry orientation of curriculum design and delivery. The schools provide specialised education that lead to higher education, ambitious career pathways after grade XII, entrepreneurship and employment. In order to ensure 21st century competency and skill development of students, there is a key focus on providing hands-on and immersive learning experience across different subjects.

Category	Subject List	Name of Subject Choices	Hours (Per Year)
Compulsory	A	English	75
Compulsory	A	Hindi	75
Compulsory	B	Social Science	75
Compulsory	B	Science	75
Compulsory	B	Mathematics	75
Compulsory	B	Entrepreneurship Mindset and Design (EMDD)	75
Compulsory	C1	Advanced Technologies <ul style="list-style-type: none"> ● Coding ● Electromechanical Production ● Robotics & Automation 	150
Compulsory	C1	Design & Commerce <ul style="list-style-type: none"> ● Finance & Accounting ● Fashion Design & Aesthetics ● Digital Media & Design 	150
Total			750

- 3.2.2. Humanities:** Humanities ASoSEs are set up to provide quality education to the students who have an interest and aptitude in fields related to Social Sciences and Humanities. Humanities ASoSEs provides sound theoretical studies alongside extensive practical exposure to its students such that they are equipped to pursue higher studies and employment opportunities in their chosen field.

Category	Subject List	Name of Subject Choices	Hours (Per Year)
Compulsory	A	English	75
Compulsory	A	Hindi	75
Compulsory	B	Social Science	75
Compulsory	B	Science	75
Compulsory	B	Mathematics	75
Compulsory	B	Entrepreneurship Mindset and Design (EMDD)	75
Compulsory	C2	World of Work	150
Compulsory	C2	Systems and Societies	150
Total			750

- 3.2.3. PVA:** Performing and Visual Arts schools provide new age education that integrates academic studies with advanced training in performing and visual art forms. Students get the opportunity to deepen their knowledge and skill across one of the three art forms offered- Music, Visual Arts, and Filmmaking, Acting & Media Studies. The uniquely crafted curriculum and exposure to the practices prepares students for a successful career in their chosen art form.

3.2.3.1. PVA: Music

Category	Subject List	Name of Subject Choices	Hours (Per Year)
Compulsory	A	English	75
Compulsory	A	Hindi	75

Compulsory	B	Social Science	75
Compulsory	B	Science	75
Compulsory	B	Mathematics	75
Compulsory	B	Entrepreneurship Mindset and Design (EMDD)	75
Compulsory	C3	Music Core	150
Compulsory	C3	Applied Music and Instrument Studies	150
Total			750

3.2.3.2. PVA: Visual Arts

Category	Subject List	Name of Subject Choices	Hours (Per Year)
Compulsory	A	English	75
Compulsory	A	Hindi	75
Compulsory	B	Social Science	75
Compulsory	B	Science	75
Compulsory	B	Mathematics	75
Compulsory	B	Entrepreneurship Mindset and Design (EMDD)	75
Compulsory	C4	Visual Art & Development Practice	150
Compulsory	C4	Creative Expression & Analytic Thinking	150
Total			750

3.2.3.3. PVA: Filmmaking, Acting and Media Studies

Category	Subject List	Name of Subject Choices	Hours (Per Year)
Compulsory	A	English	75
Compulsory	A	Hindi	75
Compulsory	B	Social Science	75
Compulsory	B	Science	75
Compulsory	B	Mathematics	75
Compulsory	B	Entrepreneurship Mindset and Design (EMDD)	75
Compulsory	C5	Media & Communication	150
Compulsory	C5	Film and Cinematic Arts	150
Total			750

- 3.2.4. **STEM** : STEM ASoSEs provide new age education in science disciplines to students who aspire to get into leading Indian and global institutes for engineering, medical, pure and applied sciences. The schools have partnered with leading industry experts and focus on teaching a STEM-focused curriculum to help students prepare for competitive exams in engineering (JEE), medicine (NEET), pure Sciences (CUET) etc.

Category	Subject List	Name of Subject Choices	Hours (Per Year)
Compulsory	A	English	75
Compulsory	A	Hindi	75
Compulsory	B	Social Science	75
Compulsory	B	Science (Foundational)	75
Compulsory	B	Mathematics (Foundational)	75
Compulsory	B	Entrepreneurship Mindset and Design (EMDD)	75
Compulsory	C6	Advanced Science	150

Category	Subject List	Name of Subject Choices	Hours (Per Year)
Compulsory	C6	Advanced Mathematics	150
Total			750

3.2.5. SoAL

Category	Subject List	Name of Subject Choices	Hours (Per Year)
Compulsory	A	English	75
Compulsory	A	Hindi	75
Compulsory	B	Social Science	75
Compulsory	B	Science	75
Compulsory	B	Mathematics	75
Compulsory	A	Third Language: Sanskrit, Punjabi, Urdu, or any other regional language	50
Optional	A	Foreign Language: German/ French/ Japanese/ Spanish	50
Compulsory (Taught in Grade 9)	D1	<ul style="list-style-type: none"> • Financial Management • Mechatronics • Fashion Studies 	275
Compulsory (Taught in Grade 10)	D1	<ul style="list-style-type: none"> • Nutrition, Food processing & Culinary Skill • Entrepreneurial Management, Retail, Tourism & Hospitality • Beauty, Wellness & Healthcare 	275
Total			750

4. Subject Overview

4.1. Language Subjects

Subject Name:	English
Subject Code:	0903
Hours:	150
Description:	<p>The English curriculum provides academic rigour and equips students with linguistic, analytical and communicative skills that can also be used to develop interdisciplinary understanding across all other subject groups. The English language and literature curriculum for grades 9-10 is focused on developing students' communication and language skills.</p> <ol style="list-style-type: none">1. The curriculum is designed to build upon the foundational skills in grammar, vocabulary, and sentence structure that students developed in earlier grades.2. In grades 9-10, students will engage with more complex literary works to develop a deeper understanding of literary devices such as symbolism, imagery, and tone, especially through poetry.3. Students will also learn how to write essays, narratives, and other forms of writing such as blogs and brochures and newsletters using different styles and techniques.4. Participation in class discussions, debates, and presentations will enhance their communication skills.5. The curriculum aims to provide a solid foundation in English language skills and a deep appreciation for literature.6. By the end of grade 10, students are expected to be proficient in English language and literature.7. Students will be able to use the language effectively in various situations and appreciate and analyze literary works with a deeper understanding.8. The curriculum seeks to develop students' critical thinking and analytical skills.

	<p>The English language and literature curriculum for grades 9-10 is designed to prepare students for success in further studies and in life beyond the classroom anywhere in the world.</p>
<p>Rationale:</p>	<p>The English language and literature curriculum for grades 9-10 is designed to develop students' communication and language skills, as we recognize that proficiency in English language and literature is essential for academic success and effective communication in today's world. Here are the key reasons why we have included the following elements in our curriculum:</p> <ul style="list-style-type: none"> ~ Building on foundational skills: The curriculum builds on the foundational skills in grammar, vocabulary, and sentence structure that students developed in earlier grades. This ensures that students are prepared to engage with more complex literary works in grades 9-10. ~ Engaging with complex literary works: Students in grades 9-10 will engage with more complex literary works to develop a deeper understanding of literary devices such as symbolism, imagery, and tone, especially through poetry. This helps to broaden their understanding and appreciation of literature and develop critical thinking and analytical skills. ~ Writing different forms: Students will learn how to write essays, narratives, blogs, brochures, and newsletters using different styles and techniques. This helps to develop their writing skills and allows them to express themselves effectively in different contexts. ~ Participating in discussions: Participation in class discussions, debates, and presentations enhances students' communication skills, allowing them to articulate their thoughts and ideas with confidence. ~ Solid foundation in English: The curriculum provides a solid foundation in English language skills and a deep appreciation for literature. This ensures that students have the necessary language skills to succeed in further studies and in life beyond the classroom anywhere in the world. ~ Proficient in language: By the end of grade 10, students are expected to be proficient in English language and literature, preparing them for further studies and for

	<p>success in their personal and professional lives.</p> <p>~ Appreciate and analyze literature: Students will be able to use the language effectively in various situations and appreciate and analyze literary works with a deeper understanding. This broadens their perspectives and deepens their understanding of the world around them.</p> <p>Critical thinking and analytical skills: The curriculum seeks to develop students' critical thinking and analytical skills, preparing them for success in further studies and in life beyond the classroom anywhere in the world.</p>
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Subject Name:	Hindi
Subject Code:	0901
Hours:	150
Description:	<p>The journey of language learning begins with conceptual development of four key skills: listening, speaking, reading, and writing. The subject is designed to provide students with a strong foundation of knowledge of the subject to develop the learner's communication skills necessary for further language learning for study, work, and leisure in a range of authentic texts for a variety of purposes and audiences. The study of the language will develop a respect for and an understanding of diverse linguistic and cultural heritage. It will further enhance their literacy and appreciation skills thus directing them to Global / Intercultural fluency, understanding, and being a contributory citizen of the community and the world at large. This will enable them to analyse with respect to comparison and contrast with other languages.</p> <p>Understanding and knowledge of Hindi will empower the learner to create, collaborate and communicate. Apart from oratory and written skills, Hindi will provide opportunities to use, apply and voice his opinion and views in daily life. Summative and Formative assessments along with ICT will help the learner integrate and correlate with topics of other subjects as well. This will promote his observing, interpreting, reasoning and evaluating abilities which are foremost factors of critical thinking.</p>

Rationale:	<p>By following an inquiry based communicative approach, the learners will not only gain competency in the language itself but also become knowledgeable, thinking, and reflective individuals. Through the study of stories, poems, plays and other genres they will develop multiple perspectives. The inquiry based approach will encourage the acquisition of high order thinking skills and development of multiple perspectives which will enable them to identify, connect, analyse and reflect on both local and global issues.</p> <p>Language study will incorporate a wide range of vocabulary and grammatical structures which will aid in skillful and effective organization of information in terms of producing and creating text. The careful choice of texts will link and establish connections, beliefs, perspectives and identities between 'I and the world' with emphasis on global issues such as fairness and development, scientific and technical innovation, and personal and cultural expression. This in turn will empower students to be future ready through language competency.</p>
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Subject Name:	Sanskrit
Subject Code:	0912
Hours:	50
Description:	The curriculum would help students acquire the skills of the language by engaging with the Sanskrit content such as passages, stories, and dialogues. The structure focuses on learning the language by practicing grammar rules. The topics covered include Sanskrit's core principles and its branches, which describe the languages' systems in detail.
Rationale:	Different languages enable the student to engage with their communities as well as appreciate their culture and imbibe self confidence thereon. With the advent of mass media local languages have come to take the center stage and we see a revival of linguistically relevant culture. Studying regional language would therefore enable students to be a part of this experience.

Subject Name:	Urdu
Subject Code:	0913
Hours:	50
Description:	The curriculum focuses on strengthening the foundations of the script and introduces students to texts in Urdu which are relevant to the culture and society they are exposed to in their everyday life.
Rationale:	Different languages enable the student to engage with their communities as well as appreciate their culture and imbibe self confidence thereon. With the advent of mass media local languages have come to take the center stage and we see a revival of linguistically relevant culture. Studying a regional language would therefore enable students to be a part of this experience.

Subject Name:	Punjabi
Subject Code:	0914
Hours:	50
Description:	Students will learn the language in a classroom setting through poem and prose in Punjabi such that they are able to relate their learnings to the conversations that they have in their communities.
Rationale:	Different languages enable the student to engage with their communities as well as appreciate their culture and imbibe self confidence thereon. With the advent of mass media local languages have come to take the center stage and we see a revival of linguistically relevant culture. Studying a regional language would therefore enable students to be a part of this experience.

Subject Name:	German
Subject Code:	0930

Hours:	50
Description:	The curriculum focuses on the methodology of conversation as key to develop the skills relevant to the German Language. Along with emphasis on diction and pronunciation, a curriculum with rich written material in German would help reinforce the student's knowledge of the German alphabet.
Rationale:	Learning German opens multiple avenues for students in and beyond Germany. Germany awards a large number of scholarships to study in German institutes. German is the second most important language in science. Germany ranks third in the world in terms of its contribution to research and development and awards research grants to scientists. Germany has a unique culture of tradition and advancements in the field of academia, technology, and the arts. Proficiency in German enables students to explore multiple domains of interest and careers.

Subject Name:	Spanish
Subject Code:	0931
Hours:	50
Description:	This curriculum develops an understanding of the Spanish language by integrating interactive activities and employing instructional techniques and materials most suited for secondary school instruction. With an approach that relies on practice, this curriculum would enhance a variety of language skills, including pronunciation, vocabulary, and grammar, all of which are necessary in daily life and work.
Rationale:	Spanish is the second most spoken language in the world and the official language of 21 countries. Learning Spanish would help students expand their horizons and get better opportunities to study and work in different parts of the world. With the rich culture of Spanish-speaking populations, exposure to the language would help students appreciate diversity and culture, and make them global citizens.

Subject Name:	Japanese
Subject Code:	0932
Hours:	50
Description:	<p>The Japanese language curriculum would deepen mutual understanding through cross-culture language communication by facilitating the following competencies</p> <ul style="list-style-type: none"> • Competences in accomplishing tasks: the ability to use language to complete specific tasks. • Competence in intercultural understanding: the ability to understand and respect one's own and other people's cultures. <p>Students are exposed to a curriculum that consists of both Japanese Foundation standards and Common European Framework references for Languages- 'Can-Dos' across three level bands from A1 level to C2 level.</p>
Rationale:	<p>Along with exposing students to new global perspectives, studying Japanese provides students with excellent Higher Education and working opportunities with almost 4,500 Japanese companies in India and an increased demand of young workforce in Japan, studying this language enables students' pathways to a successful future.</p>

Subject Name:	French
Subject Code:	0933
Hours:	50
Description:	<p>By the use of engaging activities and the use of teaching strategies and resources best suited to secondary school settings, this programme helps students gain a firm grasp of French. Using a practice-based method, this programme would help students improve their pronunciation, vocabulary, and grammar—all of which are crucial in everyday life and the industry.</p>
Rationale:	<p>French is the one of the official languages of UN and it allows students to access different career pathways internationally and in India, specifically in the field of academia and translation.</p>

4.2. Academic Subjects

Subject Name:	Social Science
Subject Code:	0909
Hours:	150
Description:	<p>Social Science emphasises inquiry, empirical investigation and synthesis. Students identify, describe and analyse data used in the study of civilizations and systems; test hypotheses; and learn to comprehend complicated data, including both primary and secondary sources.</p> <p>The subject prioritizes real-world examples, investigation, and analysis to build future citizens with democratic human values to live in complete harmony with nature. This will help students empathize to save and nurture their social, cultural, emotional and environmental surroundings etc. This will lead to a peaceful world to coexist. Through this learners will enquire not only the outside world but think critically about the self.</p>
Rationale:	<p>Social Science will help students identify and welcome the human & environmental commonalities and diversity as they learn the interactions and interdependence of individuals, societies, and the environment. This will further help them empathise, and work towards the well-being of human communities and the natural environment.</p> <p>Through daily life examples the learner will correlate the knowledge with theories and adopt practices for sustainable development. Learners will be able to explore and reflect differences and similarities in cultures, systems, economies, landscapes and environment across the world. They will establish the relations among them.</p>

Subject Name:	Science
Subject Code:	0907

Hours:	150
Description:	<p>The discipline of science constitutes the systematic and empirical approach to understanding the natural world through observation, experimentation and analysis. This rigorous discipline also includes the attitude regarding how a person makes decisions in daily life and the body of knowledge that has been accumulated through rigorous processes of science by various scientists.</p> <p>The learning of science allows learners to develop an objective outlook towards the phenomena: both physical and social, happening around them. Learners of science develop hypotheses, test them through experiments and observations and use data to draw conclusions and make predictions about how the world works.</p> <p>Such a curriculum of science requires the development of higher order thinking skills among learners through inquiry-based learning, thereby giving a chance to the learners to take a lead role in their education. The learners in such a role become knowledge creators rather than being merely at the recipient end of knowledge.</p>
Rationale:	<p>Science is the most reliable, objective and powerful knowledge system which works on a consensual approach that can resolve the threats of conflicts posed by other knowledge systems. Therefore, science must be learnt and practiced by every person in a progressive, democratic society. Science cultivates analytical & inquiring thinking which allows students to pose questions, solve problems and build explanations to comprehend the concepts & competencies. Students work with their peers to have an enhanced understanding of science and appreciate its applicability around themselves.</p>

Subject Name:	Mathematics
Subject Code:	0905
Hours:	150

Description:	<p>Mathematics encourages both inquiry and application, assisting students in the development of problem-solving abilities that extend beyond the confines of the discipline and are applicable to the world that they live in and interact with.</p> <p>It is based on providing students with authentic examples of how the concepts and principles of mathematics may be beneficial and relevant to their everyday lives, as well as encouraging them to apply those ideas to unfamiliar circumstances. Students learn how to represent information, to explore and model situations, and to find solutions to familiar and unfamiliar problems. These are skills that are useful in a wide range of arenas, including social sciences and the arts.</p>
Rationale:	<p>Mathematics helps to develop confidence, tenacity, and problem-solving skills. It fosters the abilities of generalisation and abstraction and the ability to apply and adapt one's talents to a diverse range of real-world scenarios, as well as other domains of knowledge and future advancements.</p>

Subject Name:	Entrepreneurship Mindset and Design (EMDD)
Subject Code:	0911
Hours:	150
Description:	<p>This subject prepares students to confidently and systematically tackle real-world problems and challenges using digital technology and applying the entrepreneurship mindset. More specifically, students will acquire knowledge, skills, attitudes and habits by doing the following:</p> <ul style="list-style-type: none"> ~ Problem-solving using the Design Thinking approach. ~ Comfortably learning and using a wide variety of digital technology and tools and becoming ready to participate in the digital economy. ~ Practice the mindset of identifying opportunities, trying new and challenging, identifying opportunities, taking responsibility, bouncing back from failures & persevering.

	<ul style="list-style-type: none"> ~ Sharpen livelihood and life skills such as critical thinking, creativity, collaboration, communication, decision making and adapting to change. ~ Repeatedly practice identifying the need to learn new things and finding the resources to Self-Learn.
Rationale:	<p>Students need to get adequate real-life exposure to take charge of their pursuit of higher education and career-path. They need to be able to confidently and systematically tackle any problem that higher education or life throws at them. They need hands-on experience with how the digital world is transforming both learning and work and be ready to confidently participate in the digital economy. They need 21st century livelihood and life skills to accelerate their progress in achieving their full potential. They also need to be able to identify and self-learn new tools as old ones rapidly become obsolete.</p>

4.3. Specialised Subjects

4.3.1. HE-21

Subject Name:	Advanced Technologies
Subject Code:	0971
Hours:	300
Description:	<p>Advanced Technologies has been visualised to equip the students with specialised know-how and expertise to participate productively in the fast-changing technological world. In grades IX-X, the courses are delivered in a taster format, where all students study 3 taster courses in each grade- Electro-Mechanical Production, Robotics & Automation and Coding.</p> <p>In grades XI-XII, students will choose one taster out of the six taster courses offered in both subjects (Advanced Technologies and Design and Commerce) and study specialised subjects of that course. In grades IX-X, the objective is to generate excitement amongst students for the course, build academic foundations and provide exposure to different career pathways.</p>

	<p>In coding, the focus is on app development, game development and web development largely through block-based coding to prioritise development of logical and problem solving skills. In Electromechanical Production, students learn basics of simple mechanics, electromagnetics, controllers, advanced electronics, sensors and actuators and PCB circuit boards through ample opportunities of hands-on learning on both hardware and software. The Robotics and Automation taster gives students a comprehensive introductory understanding of robotics, including the definition, characteristics, and uses of robots along with the evolution of robots, the three laws of robotics, and the classification of robots. Cobots or collaborative robotics is also introduced.</p>
Rationale:	<p>The High-End 21st Century Skills ASoSEs provide an education focused on skills relevant to the fast-changing needs of the 21st century. Advanced Technologies subject aims to build specialised skills in students across three emerging and/or high-demand fields (Coding, Electromechanical Production and Robotics & Automation) to prepare students for entrepreneurship and employment in aspirational roles immediately after schooling and keep pathways open for higher education as well.</p>

Subject Name:	Design and Commerce
Subject Code:	0973
Hours:	300
Description:	<p>Specialised education in Design & Commerce has been visualised as a curriculum that will equip the students with specialised know-how and expertise to participate productively in the Design and Commerce Industry. In grades IX-X, the courses are delivered in a taster format, where all students study 3 taster courses in each grade- Finance & Accounting, Fashion Design & Aesthetics ,and Digital Media and Design. In grades XI-XII, students will choose one taster out of the six taster courses offered in both subjects (Advanced Technologies and Design and Commerce) and study specialized subjects of that course.</p>

	<p>In grades IX-X, the objective is to generate excitement amongst students for the course, build academic foundations and provide exposure to different career pathways. Through this curriculum, students will be trained in the creative, technical, and practical aspects of design education through both theoretical teaching and hands-on activities across all courses.</p> <p>Digital Media and Design focuses on building the basics of three domains - graphic design, animation and UI-UX. Fashion Design & Aesthetics aims to build the creative ability of students along with required skills and techniques in textiles and contemporary fashion . Finance and Accounting introduces concepts of banking, borrowing, saving, budgeting, accountancy and taxation.</p>
Rationale:	<p>The High-End 21st Century Skills ASoSEs provide an education focused on skills relevant to the fast-changing needs of the 21st century. Design and Commerce subject aims to build specialised skills in students across three emerging and/or high-demand fields (Finance & Accounting, Fashion Design and Aesthetics ,and Digital Media and Design) to prepare students for entrepreneurship and employment in aspirational roles immediately after schooling and keep pathways open for higher education as well.</p>

4.3.2. Humanities

Subject Name:	Systems and Societies
Subject Code:	0961
Hours:	300

Description:	Students will gain knowledge on how to combine ideas from many humanities areas into a single, overarching subject. In Grades 9 and 10, students will conduct systematic investigations into four themes over the course of one term (semester). In order to develop a comprehensive grasp of topics, appreciate other viewpoints, and critically assess issues and actions within these themes, students will apply a variety of historical, geographic, political, economic, and political science ideas. These four topics will be the subject of in-depth instruction for students. Together with opportunities to study in groups that will improve their communication, critical thinking, and research abilities, the learning outcomes will be aligned to other disciplines.
Rationale:	Humanities courses are currently taught in isolation in our educational system. The teaching of humanities disciplines has traditionally focused on a single subject, whether it be history, geography, political science, or economics. The Systems and Society course is designed to examine a subject from a variety of historical, geographical, political, and economic perspectives. Students will get a sense of critical thinking on numerous social challenges in their local communities and around the globe as they become immersed in a variety of themes. They will be able to relate to and incorporate their personal reality into the discussion of Systems and Society. They will develop a scientific approach to learning thanks to the use of various research techniques.

Subject Name:	World of Work
Subject Code:	0973
Hours:	300

Description:	Students will receive training in the most applicable skills for careers in the humanities and social sciences through World of Work. Students will also gain hands-on experience in the routine tasks of these professions, exposing them to the complexities of professional life. This strategy is essential for empowering ASoSE Students to make knowledgeable decisions and plan ahead to succeed in their preferred career tracks. Also, a student needs a multifaceted and multidisciplinary approach to flourish in the 21st century, when career domains are becoming incredibly intertwined.
Rationale:	In India, the study of humanities and social sciences has concentrated on offering a comprehensive curriculum in subjects like history, geography, political science, economics, and others. By explicitly offering professional pathways that students would have access to after studying these areas, World of Work seeks to expand on that. Due to some added reflection and career counseling, this enables our curriculum to be connected to the industry, enabling students to make educated decisions before continuing further education.

4.3.3. PVA

Subject Name:	Creative Expression and Analytical Thinking
Subject Code:	0985
Hours:	300
Description:	This subject orients the learner to develop a synthesis between research, practice, and an internal creative process. The subject focuses on developing a deep understanding of art & design practice. Each area of study will enable students to use research tools, enhance the perception of art (its history and context), and foster creative and critical thinking
Rationale:	Visual Art learners must understand the concept of self, others, the natural world, and constructed environments through the engagement with visual art production. This subject will help the learner hone their process of

	<p>synthesizing knowledge and personal experiences to make visual art and develop an aesthetic eye as well as an empathetic awareness towards the world. The multi-medium attribute of the subject makes the learner aware of the process of producing an art & design outcome and identify diverse creative opportunities during that process.</p>
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Subject Name:	Visual Art Development and Practice
Subject Code:	0987
Hours:	300
Description:	<p>This subject focuses on developing core making and crafting skills in students through in-depth exposure to visual art tools, techniques, and methods. Each area of study in the curriculum has been designed to establish a strong foundation in Visual Arts oriented toward the real world of work and industry. Furthermore, evolving technology and industry standards are the curriculum's core, making it relevant in the 21st century landscape.</p>
Rationale:	<p>As an aspiring visual artist, being well versed with different forms, mediums, and styles of visual arts practice is critical to developing their own artistic identity and enhancing skills. Artists and designers must be aware of the process of making and hence be equipped with a structured framework for the development of art and design works. The multi-medium attribute of the subject allows the learner to build their own creative identity across the four years and therefore choose their area of excellence in the field of visual arts.</p>

Subject Name:	Music Core
Subject Code:	0983
Hours:	300
Description:	<p>This subject focuses on building and strengthening fundamental knowledge of Western and Indian music with an overarching theoretical, practical, and cultural context.</p>

	Key components of the subject include contemporary Western music theory, Indian music theory and repertoire, ear training, active listening/analysis, and creative expression of musical concepts through composition and improvisation.
Rationale:	For an aspiring musician in a globalised nation, it is important to be familiar with the basic tenets of Indian, Western and contemporary music. Music Core is conceptualised so all students of music are aware of and can engage with different styles of music regardless of their preferred pathway. Moreover, the subject also seeks to enhance their listening skills and musical perception, thereby making them well-rounded music professionals of the future.

Subject Name:	Applied Music and Instrument Studies
Subject Code:	0981
Hours:	300
Description:	This subject focuses on performance-, technology- and industry-related aspects of music. Students are exposed to performance conventions in Indian and Western traditions in solo and ensemble (group) setups. They also gain a functional understanding of music technology and its role in today's industry. Students choose a primary instrument specialisation, on which they progressively build technical prowess and facility. Individual lessons, ensemble classes, and performance practice provide a space for both technical development and exploration of a diverse and progressive musical repertoire
Rationale:	Familiarity with diverse styles of performance and composition, technical facility, and industry know-how are critical to the artistic and professional development of aspiring musicians. This subject also focuses on inculcating healthy artistic habits in students, such as the development of a regular practice routine. It allows the learner to build their own creative identity across four years and eventually curate a unique niche of excellence in the field of music.

Subject Name:	Film and Cinematic Arts
Subject Code:	0991
Hours:	300
Description:	This subject focuses on the skills, business and craft of film and visual content production. The subject not only supports students to hone their creative and technical skills, but also develops in students the capacity for organised thinking and practical application
Rationale:	This subject is taught with the goal to equip the students with the art, craft and technique of articulating complex ideas through compelling stories. Further, the subject will inculcate in students the ability to engage and sustain attention through creative and strategic communication - a crucial skill set in the contemporary dynamic economies of visibility. The production, technical and creative knowledge will support student learning in media and communication through transferable skills of content production and management.

Subject Name:	Media and Communication
Subject Code:	0989
Hours:	300
Description:	The subject will focus on recognizing and exploring media as a powerful tool of communication. The students would be given the opportunity to study aspects of print media, broadcast media and new media (social and digital). Key components of this subject include building basic media literacy, advertising, copywriting and creatives, basics of event management and public relations, and media issues, laws, and ethics. As four academic years progress, students will be better equipped to be fair, ethical, and creative producers and consumers of media.
Rationale:	The conceptualization of the subject lies in the need to enable students to become better communicators, innovative and creative content creators and distributors,

	and curious and critical thinkers. Since media provides access to unlimited information, resources, and opportunities in all areas of knowledge, it becomes imperative for students to be well educated and trained in navigating this pool of information and engage in its meaningful use.
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4.3.4. STEM

Subject Name:	Advanced Mathematics
Subject Code:	0951
Hours:	300
Description:	In this subject, students will learn how to apply basic mathematical concepts such as Number System, Algebra, Arithmetic, Trigonometry, Mensuration, and Statistics to known and unknown types of questions found in competitive exams. This will help students understand the fundamentals more thoroughly. In class 9th, students will be introduced to basic techniques that will provide a solid foundation and allow them to go deeper in class 10th. Students will be given a taste of concepts and techniques that will be useful to them in their competitive examinations.
Rationale:	This subject is created in a way that it empowers students to be able to build technologies, conduct research, solve real-world problems with innovative ideas, and become leading future professionals. The teaching curriculum has been curated to cater to the ever-changing needs of today's world and to build skills such as critical thinking, research and analysis, logical reasoning, and problem-solving. The subject also provides rigorous domain expertise in subject so that students graduating from the school become ready for higher education in top science institutes of the country such as IITs, IISc, AIIMS among others, and eventually emerge as leading professionals in their chosen fields.

Subject Name:	Advanced Science
Subject Code:	0953
Hours:	300
Description:	In this subject, students will learn how to apply basic scientific concepts such as Food, Materials, The World of The Living, How Things Work, Moving Things, People and Ideas, Natural Phenomenon and Natural Resources to known and unknown types of questions found in competitive exams. This will help students understand the fundamentals more thoroughly. In class 9th, students will be introduced to basic techniques that will provide a solid foundation and allow them to go deeper in class 10th. Students will be given a taste of concepts and techniques that will be useful to them in their competitive examinations.
Rationale:	The subject is created in a way that it empowers students to be able to build technologies, conduct research, solve real-world problems with innovative ideas, and become leading future professionals. The teaching curriculum has been curated to cater to the ever-changing needs of today's world and to build skills such as critical thinking, research and analysis, logical reasoning, and problem-solving. The subject also provides rigorous domain expertise in the subject (Physics, Chemistry, and Biology) so that students graduating from the school become ready for higher education in top science institutes of the country such as IITs, IISc, AIIMS among others, and eventually emerge as leading professionals in their chosen fields.

4.4. Applied Learning Courses

Subject Name:	Fashion Studies
Subject Code:	0993
Hours:	100
Description:	Fashion Studies will allow students to apply their creative and imaginative skills in practice, providing an in-depth

	<p>understanding of design, its history, and various theoretical approaches to its creation. This understanding will help students to identify their interests and develop expertise in the relevant areas of the fashion industry. Students will learn to appreciate garments and understand manufacturing techniques through advanced lab exposure and industry visits.</p>
Rationale:	<p>The course encourages creativity and exposes students to new techniques and trends, allowing them to hone their design skills and take them to the next level. As the fashion industry continues to grow globally, demand for fashion-related courses at all academic levels has increased.</p>

Subject Name:	Financial Management
Subject Code:	0992
Hours:	100
Description:	<p>The Financial Management course curriculum covers a broad range of topics related to finance, including financial basics, banking, budgeting, financial markets, FinTech, and more.</p> <p>The curriculum is designed to incorporate the subject's theoretical and practical aspects, with various projects, presentations, quizzes, and practicals included. Additionally, the course includes exposure visits to financial institutions, which will help students develop practical skills and prepare them for the workforce</p>
Rationale:	<p>Financial Management will provide students with the necessary knowledge, skills, and abilities to effectively address financial challenges and manage their personal finances, household finances, and future financial endeavors.</p>

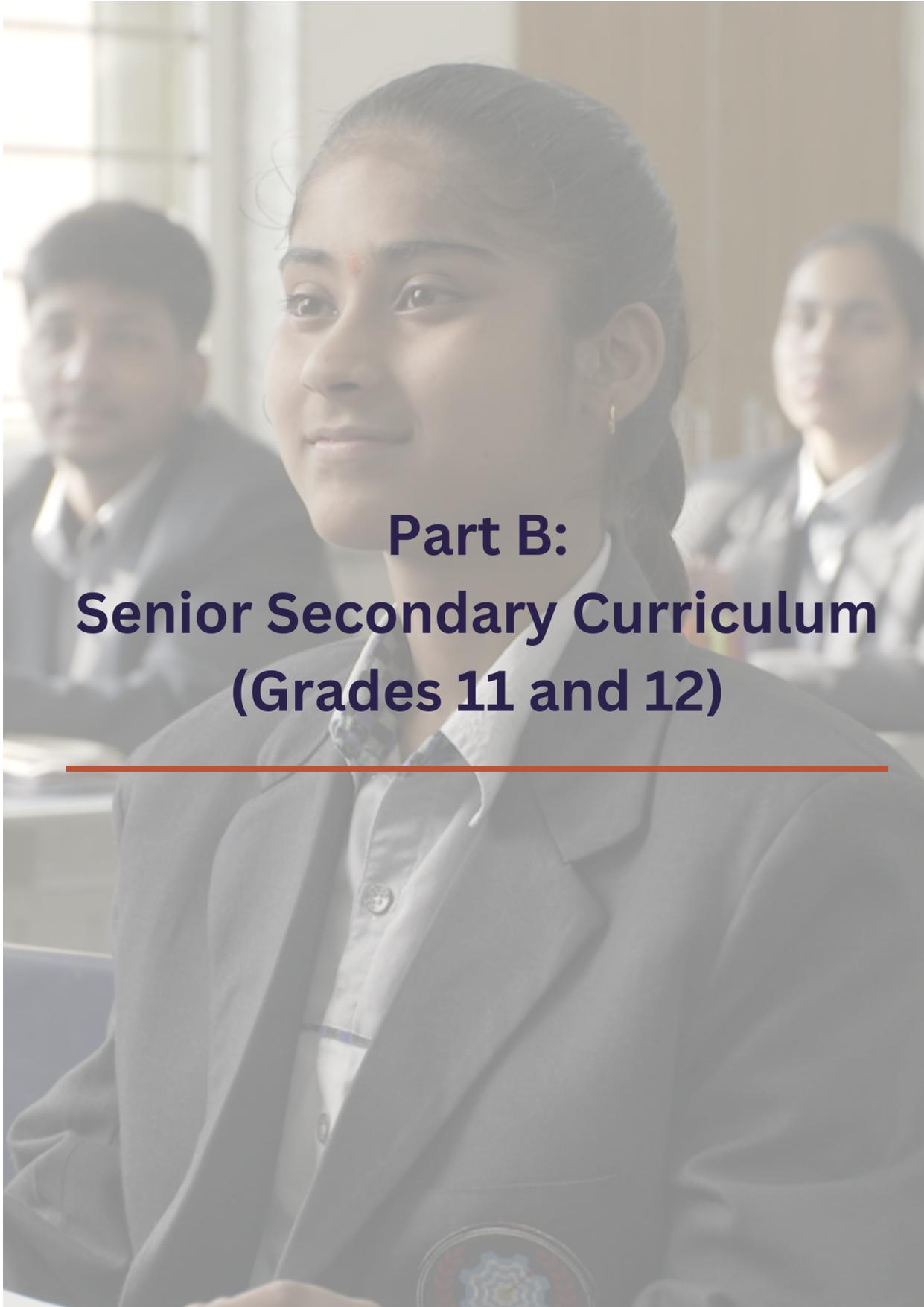
Subject Name:	Mechatronics
Subject Code:	0994

Hours:	100
Description:	Mechatronics will connect students with the real world through day-to-day hands-on activities, exposure to the machines needed in contemporary and advanced industries and employability. The course will cover the understanding of machines to the whole manufacturing process.
Rationale:	Students will learn and become capable of converting a working prototype into a product. Students will also enhance their design thinking capabilities and get exposure to industry processes through industry visits.

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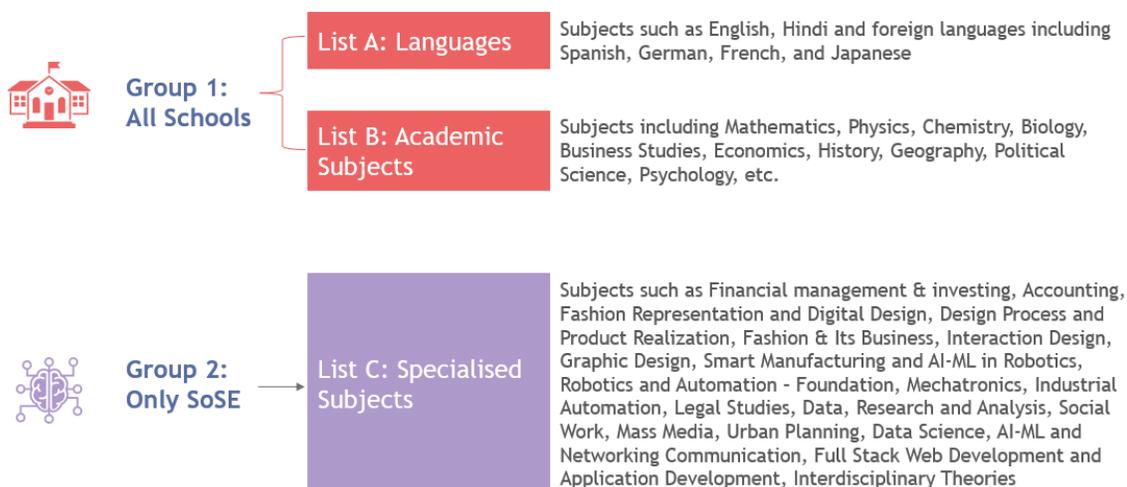


We Assess to Learn

A young woman in a school uniform is the central focus, sitting in a classroom. She has a thoughtful expression, looking slightly to the right. In the background, other students in uniforms are visible, but they are out of focus. The lighting is soft and natural, suggesting a window nearby. The overall tone is educational and focused.

Part B:
Senior Secondary Curriculum
(Grades 11 and 12)

Subjects Offered



4.4.1. List A: Language Subjects

S. No.	Code	Subject Name	Hours (Per Year)
1	1201	English	150
2	1202	Hindi	150
3	1203	German	150
4	1204	French	150
5	1205	Japanese	150
6	1206	Spanish	150

4.4.2. List B: Academic Subjects

S. No.	Code	Subject Name	Hours (Per Year)
1	1301	Mathematics	150
2	1302	Mathematics and Statistics	150
3	1401	Physics	150
4	1501	Chemistry	150

5	1601	Biology	150
6	1701	History	150
7	1702	Geography	150
8	1703	Political Science	150
9	1704	Economics	150
10	1705	Business Studies	150
11	1101	Physical Health & Education	150

4.4.3. List C: Specialized Subjects

S. No.	Sub-list	Recommended ASoSE	Code	Subject Name	Hours (Per Year)
1	C1	HE-21 - Electromechanical Production	1801	Industrial Automation	150
2	C1	HE-21 - Electromechanical Production	1802	Mechatronics	150
3	C2	HE-21 - Robotics and Automation	1803	Robotics and Automation - Foundation	150
4	C2	HE-21 - Robotics and Automation	1804	Smart Manufacturing and AI-ML in Robotics	150
5	C3	HE-21 - Digital Media and Design	1805	Graphic Design	150
6	C3	HE-21 - Digital Media and Design	1806	Interaction Design	150
7	C4	HE-21 - Fashion Design & Aesthetics	1807	Fashion & its Business	150
8	C4	HE-21 - Fashion	1808	Design Process	150

S. No.	Sub-list	Recommended ASoSE	Code	Subject Name	Hours (Per Year)
		Design & Aesthetics		and Product Realization	
9	C4	HE-21 - Fashion Design & Aesthetics	1809	Fashion Representation and Digital Design	150
10	C5	HE-21 - Finance and Accounting	1810	Financial management & investing	150
11	C5	HE-21 - Finance and Accounting	1811	Accountancy	150
12	C6	HE-21 - Coding	1812	Data Science, AI-ML and Networking Communication	150
13	C6	HE-21 - Coding	1813	Full Stack Web Development and Application Development	150
14	C7	Humanities	1901	Interdisciplinary Theories	150
15	C7	Humanities	1902	Legal Studies	150
16	C8	Humanities	1903	Mass Media	150
17	C8	Humanities	1904	Data, Research, and Analysis	150
18	C8	Humanities	1905	Social Work	150
19	C8	Humanities	1906	Urban Planning	150
20	C9	PVA - Music	2001	Music General	150
21	C9	PVA - Music	2002	Applied Music & Instrument Studies	150
22	C10	PVA - Visual Arts	2003	Visual Arts	150

S. No.	Sub-list	Recommended ASoSE	Code	Subject Name	Hours (Per Year)
23	C10	PVA - Visual Arts	2004	Creative Expression & Analytical Thinking	150

5. Recommended Combination of Subjects

5.1. Recommended Framework for selection of subjects under Dr. B. R. Ambedkar Schools of Specialized Excellence:

Category	Subjects	Name of Subject Choices	Hours (Per Year)
List A Subjects	1	1 Compulsory Language:	
		English	100
List B Subjects	2/3	Minimum 2 and Maximum 3 Academic Subjects:	
		Subject 1	150
		Subject 2	150
		Subject 3 (Optional)	150
List C Subjects	2/3	Minimum 2 and Maximum 3 (If 2 subjects taken from List B) from the same sub-list i.e. C1-9	
		Subject 1	150
		Subject 2	150
		Subject 3 (Optional)	150

5.2. Schema across 4 Specializations:

Category	Subject List	Name of Subject Choices	Hours
Compulsory	A	English	100
Compulsory	B	Subject 1	150
Compulsory	B	Subject 2	150
Optional	B	Subject 3	150
Compulsory	C	Subject 4	150
Compulsory	C	Subject 5	150
Optional	C	Subject 6	150
Total			850

5.2.1. HE-21: HE-21 ASoSEs aim to build strong academic foundations of students while also ensuring industry orientation of curriculum design and delivery. The schools provide specialized education that lead to ambitious career pathways after grade XII - higher education, entrepreneurship and employment. In order to ensure competency and skill development of students, there is a key focus to provide hands-on and immersive learning experience across specialized subjects. HE-21 students will pick one of the 6 available specializations in Grade 11-12:

- Robotics & Automation
- Electromechanical Production
- Digital Media & Design
- Fashion Design & Aesthetics
- Finance and Accounting
- Coding

5.2.1.1. Recommended Robotics & Automation Schema:

Category	Subject List	Name of Subject Choices	Hours
Compulsory	A	English	100
Compulsory	B	Mathematics	150
Compulsory	B	Physics	150
Compulsory	B	Chemistry	150
Compulsory	C2	Robotics and Automation -	150

		Foundation	
Compulsory	C2	Smart Manufacturing and AI-ML in Robotics	150
Total			850

5.2.1.2. Recommended Electromechanical Production Schema:

Category	Subject List	Name of Subject Choices	Hours
Compulsory	A	English	100
Compulsory	B	Mathematics	150
Compulsory	B	Physics	150
Compulsory	B	Chemistry	150
Compulsory	C1	Industrial Automation	150
Compulsory	C1	Mechatronics	150
Total			850

5.2.1.3. Recommended Coding Schema:

Category	Subject List	Name of Subject Choices	Hours
Compulsory	A	English	100
Compulsory	B	Mathematics	150
Compulsory	B	Physics	150
Compulsory	B	Chemistry	150
Compulsory	C6	Data Science, AI-ML and Networking Communication	150
Compulsory	C6	Full Stack Web Development and Application Development	150
Total			850

5.2.1.4. Recommended Fashion Design & Aesthetics Schema:

Category	Subject List	Name of Subject Choices	Hours
Compulsory	A	English	100
Elective	B	Any 1 Subject from the following List B subjects: <ul style="list-style-type: none"> • Mathematics and Statistics • Geography • Political Science • History 	150
Compulsory	B	Business Studies	150
Compulsory	C4	Fashion & its business	150
Choice of two subjects between:			
Elective	B	Economics	150
Elective	C4	Design Process & Product Realisation	150
Elective	C4	Fashion Representation & Digital Design	150
Total			850

5.2.1.5. Recommended Finance & Accounting Schema:

Category	Subject List	Name of Subject Choices	Hours
Compulsory	A	English	100
Compulsory	B	Mathematics	150
Compulsory	B	Business Studies	150
Compulsory	B	Economics	150
Compulsory	C5	Accountancy	150
Compulsory	C5	Financial Management & Investing	150
Total			850

5.2.1.6. Recommended Digital Media & Design Schema:

Category	Subject List	Name of Subject Choices	Hours
Compulsory	A	English	100
Compulsory	B	Mathematics	150
Compulsory	B	Business Studies	150
Compulsory	B	Economics	150
Compulsory	C3	Interaction Design	150
Compulsory	C3	Graphic Design	150
Total			850

5.2.2. Humanities: Humanities ASoSEs are set up to provide quality education to the students who have an interest and aptitude in fields related to Social Sciences and Humanities. Humanities ASoSEs will provide sound theoretical studies alongside extensive practical exposure to its students such that they are equipped to pursue higher studies and employment opportunities in their chosen field.

Category	Subject List	Name of Subject Choices	Hours (Per Year)
Compulsory	A	English Core	100
Compulsory	C	Interdisciplinary Studies	150
Elective	B	Any 3 subjects from List B: <ul style="list-style-type: none"> ● Mathematics and Statistics ● Geography ● History ● Political Science ● Economics 	150
Elective	B		150
Elective	B		150
Elective	C8	Any 1 subject from List C8: <ul style="list-style-type: none"> ● Legal Studies ● Mass Media ● Data, Research and Analysis 	150

		<ul style="list-style-type: none"> • Social Work • Urban Planning 	
Total			850

5.2.3. PVA: Performing and Visual Arts ASoSEs provide new age education that integrates academic studies with advanced training in performing and visual art forms. Students get the opportunity to deepen their knowledge and skill across one of the three art forms offered- Music, Visual Arts, and Filmmaking, Acting & Media Studies. The uniquely crafted curriculum and exposure to the practices prepares students for a successful career in their chosen art form.

5.2.3.1. PVA: Music

Category	Subject List	Name of Subject Choices	Hours (Per Year)
Compulsory	A	English	100
Elective	B	Choice of any two subjects between: <ul style="list-style-type: none"> • History • Political Science • Economics • Mathematics and Statistics 	150
Elective	B		150
Compulsory	B	Business Studies	150
Compulsory	C9	Music General	150
Compulsory	C9	Applied Music & Instruments	150
Total			850

5.2.3.2. PVA: Visual Arts

Category	Subject List	Name of Subject Choices	Hours (Per Year)
Compulsory	A	English	100

Category	Subject List	Name of Subject Choices	Hours (Per Year)
Elective	B	Choice of any two subjects between: <ul style="list-style-type: none"> • History • Political Science • Economics • Mathematics and Statistics 	150
Elective	B		150
Compulsory	B	Business Studies	150
Compulsory	C10	Visual Arts	150
Compulsory	C10	Creative Expression & Analytical Thinking	150
Total			850

- 5.2.4. **STEM** : STEM ASoSEs provide new age education in science disciplines to students who aspire to get into leading Indian and Global institutes for engineering, medical, pure and applied sciences. The schools have partnered with leading industry experts and focus on teaching STEM-focused curriculum to help students prepare for competitive exams in engineering (JEE), medicine (NEET), pure Sciences (CUET) etc.

Category	Subject List	Name of Subject Choices	Hours (Per Year)
Compulsory	A	English	100
Compulsory	B	Physics	150
Compulsory	B	Chemistry	150
Compulsory	B	Physical Education	150
Select any 2:			
Elective	B	Biology	150
Elective	B	Mathematics	150
Elective	C	Interdisciplinary Theories	150
Total			850

6. Subject Overview

6.1. Language Subjects

Subject Name:	English
Subject Code:	1201
Hours:	100
Description:	Language and Communication will focus on teaching the core language and literacy skills such as inferential reading, academic writing, building arguments, and organising information. students will be exposed to different types of texts (fiction, non-fiction, poetry, drama, etc). They will read, analyse, and synthesise their learnings. Equal focus will be given to comprehension (reading and listening), expression (speaking and writing), as well as the rules of the language (grammar and word work). The goal is for students to effectively communicate their thoughts and critically read and interact with different forms of written and spoken expression.
Rationale:	English has become a language of power in today's world. It is not only a link language, but a gateway to global knowledge and international exposure. So, teaching it has become of utmost importance. Students in the 21st century need multidimensional english language and literary skills to access high-quality higher education programs and career pathways. English being a global language it opens up gateways for learners, therefore there is a need to focus on essential skills of writing and communication in English for students.

Subject Name:	Hindi
Subject Code:	1202
Hours:	100
Description:	Hindi is designed to provide students a strong foundation in a language most familiar to students. It will explore and

	<p>sustain personal development and cultural identity, and provide an intellectual framework to support conceptual development with the key skills of Listening, Speaking, Reading and Writing.</p> <p>Students will get to learn classical and modern texts that are relevant to their lived experiences.</p>
Rationale:	<p>Hindi will develop students' communication skills necessary for further language learning, and for study, work and leisure in a range of authentic contexts and for a variety of audiences and purposes. It will improve the students' communication skills necessary for further language learning, and for study, work and leisure in a range of authentic contexts and for a variety of audiences and purposes.</p>

Subject Name:	German
Subject Code:	1203
Hours:	100
Description:	<p>The curriculum focuses on the methodology of conversation as key to develop the skills relevant to the German Language. Along with emphasis on diction and pronunciation, a curriculum with rich written material in German would help reinforce the student's knowledge of the German alphabet.</p>
Rationale:	<p>Learning German opens multiple avenues for students in and beyond Germany. Germany awards a large number of scholarships to study in German institutes. German is the second most important language in science. Germany ranks third in the world in terms of its contribution to research and development and awards research grants to scientists. Germany has a unique culture of tradition and advancements in the field of academia, technology, and the arts. Proficiency in German enables students to explore multiple domains of interest and careers.</p>

Subject Name:	Spanish
Subject Code:	1206
Hours:	100
Description:	This curriculum develops an understanding of the Spanish language by integrating interactive activities and employing instructional techniques and materials most suited for senior secondary school instruction. With an approach that relies on practice, this curriculum would enhance a variety of language skills, including pronunciation, vocabulary, and grammar, all of which are necessary in daily life and work.
Rationale:	Spanish is the second most spoken language in the world and the official language of 21 countries. Learning Spanish would help students expand their horizons and get better opportunities to study and work in different parts of the world. With the rich culture of Spanish-speaking populations, exposure to the language would help students appreciate diversity and culture, and make them global citizens.

Subject Name:	Japanese
Subject Code:	1205
Hours:	100
Description:	<p>The Japanese language curriculum would deepen mutual understanding through cross-culture language communication by facilitating the following competencies</p> <ul style="list-style-type: none"> • Competences in accomplishing tasks: the ability to use language to complete specific tasks. • Competence in intercultural understanding: the ability to understand and respect one's own and other people's cultures. <p>The students would be exposed to a curriculum that consists of both Japanese Foundation standards Common European Framework references for Languages- 'Can-Dos' across three level bands from A1 level to C2 level.</p>

Rationale:	Along with exposing students to new global perspectives, studying Japanese provides students with excellent Higher Education and Working Opportunities With almost 4,500 Japanese companies in India and an increased demand of young workforce in Japan, studying this language enables students' pathways to a successful future.
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Subject Name:	French
Subject Code:	1204
Hours:	100
Description:	By the use of engaging activities and the use of teaching strategies and resources best suited to senior school settings, this programme helps students gain a firm grasp of French. Using a practice-based method, this programme would help students improve their pronunciation, vocabulary, and grammar—all of which are crucial in everyday life and the industry.
Rationale:	French is the one of the official languages of UN and it allows students to access different career pathways internationally and in India, specifically in the field of academia and translation.

6.2. Academic Subjects

Subject Name:	Business Studies
Subject Code:	1705
Hours:	150
Description:	The subject is designed to prepare students not only as future employees but to also empower them to become entrepreneurs. The subject covers theoretical aspects of a business with contextualized examples and case studies from their specializations (e.g. Music in PVA schools, Digital Media and Design in HE-21), prepares them for key entrepreneurial skills like business communication and

	enables practical learning by encouraging students to brainstorm their ideas, undertake market analysis, evaluate the potential of ideas to choose one and then develop it under the guidance of a mentor as the curriculum progresses from idea generation to marketing, finance, HR and other key requirements of establishing one's own firm.
Rationale:	With the aim to prepare students for ambitious higher education and career pathways - it is critical that students graduating from grade 12 are equipped with both theoretical knowledge as well as practical experience in business studies and entrepreneurship. This will instill in them the confidence to work in a firm or build their own ventures if they aspire to do so at any stage of their lives

Subject Name:	History
Subject Code:	1701
Hours:	150
Description:	Historians analyze various sources of information to comprehend actions and events and form a comprehension of our history. By studying the past, they gain insights into the present. Students will be empowered with the skills to ask insightful questions, analyze information critically, and evaluate evidence and arguments to form their own perspectives. History enables students to grasp the intricacies of human lives and value diversity. It facilitates an understanding of the mechanisms of transformation and the interactions among different groups, as well as their own identities and the challenges of their era.
Rationale:	There is a need for the history curriculum in India to move away from rote memorisation of dates and events. It is important to prioritize critical thinking, incorporate diverse perspectives and primary sources, address global history, and teach history through interdisciplinary approaches to learning. The history course at DBSE Humanities is designed to expand students' critical analysis and interpretation and prepare them for a global outlook.

Subject Name:	Political Science
Subject Code:	1703
Hours:	150
Description:	This subject enables Students to actively get involved with issues that affect them and or their community/ society/ world and inspire others to get involved. Foster students' awareness of democracy and governance. This subject explores political and social issues critically, to weigh evidence, and make reasoned arguments. Political Science will inculcate skills in students to understand, analyse and evaluate various political systems, political theories, governments, states and power and nurtures them to become aware citizens of the nation. Students will have an understanding of the philosophical foundations that underlie the value of the Indian Constitution - equality, liberty, justice, fraternity, dignity, plurality, freedom from exploitation.
Rationale:	There is a need to engage with Political Science as a discipline to help students become responsible citizens of the country and to inculcate knowledge and understanding of the Indian Constitution. To become an aware citizens students must engage with political theories, political processes, political issues and movements at higher education level. This discipline enables critical thinking, investigation, and problem solving among students.

We Assess to Learn

Subject Name:	Geography
Subject Code:	1702
Hours:	150
Description:	Geography develops skills to locate, understand and analyse natural and human environments. Geography develops lifelong skills of understanding processes that affect the physical and social environment of Humans. Students will use various geographical data to understand and analyze environmental phenomenons and movements

	and social dimensions impacted by changes in human-environment relations. Through this subject students will understand how communities around the world and in India interact with their natural environment.
Rationale:	Human beings and the environment live in an interdependent world and in the past century this interdependency has evolved multifold. Due to changing global phenomena in the natural and human environment, geography as a field has become important even more than ever before. Geography of nations and states highly impacts the politics, economy and social dimensions of it too. Therefore, there is a need to enable students to understand and study various communities and nations and how their local and global geography impacts their trajectory.

Subject Name:	Economics
Subject Code:	1704
Hours:	150
Description:	<p>Economics is the study of production, distribution, and consumption of goods and services. The subject is divided into two domains:</p> <p>Microeconomics: concerned with the study of individual choice with respect to the allocation of scarce resources. The students will be introduced to the basic idea of economics and resource allocation, the theory of demand and supply, production and price movements.</p> <p>Macroeconomics: A branch that deals with the performance, structure and decision making of an economy as a whole. The students will indulge in the study of the concept of aggregate demand and supply, national income, theories of international trade and an independent research project.</p>
Rationale:	Economics is a vital subject that plays a significant role in shaping the world. It teaches students how the economy works, including the production, distribution, and consumption of goods and services. The study of economics

	helps students develop analytical and critical thinking skills that are essential for making informed decisions in their personal and professional lives. It is imperative to teach students economics to facilitate problem solving and analytical skills.
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Subject Name:	Mathematics and Statistics
Subject Code:	1302
Hours:	150
Description:	The subject equips students with the necessary Mathematics and Statistics skills (including prevalent software tools) required to succeed in Social Sciences, including Economics. The course builds competency not only in conceptual understanding but in also communication, critical thinking, and social science research. All units begin with a big question followed by an investigative approach to explore a fundamental mathematical problem and related real-life applications before delving into the theory and practice of it.
Rationale:	<p>The Mathematics and Statistics curriculum is vital for students to:</p> <ul style="list-style-type: none"> ● Pursue higher education in Social Sciences, including economics ● Visualise connections and apply mathematical concepts and techniques to find possible solutions to a variety of problems in Social Sciences ● Appreciate mathematics as a discipline - its origin and real-life applications ● Develop useful mathematical and numeracy skills for everyday life and work

6.3. Specialised Subjects

6.3.1. HE-21

Subject Name:	Industrial Automation (Electromechanical Production)
Subject Code:	1801
Hours:	150
Description:	The subject includes learning about Programmable Logic Controller (PLC) machines that automate industrial production tasks by learning its components & its programming language. Further, the subject focuses on understanding different Industrial Sensors that are equipped in factories, understanding of Pneumatics & Hydraulics primarily used in Manufacturing Industries to develop In-House Automation Projects.
Rationale:	Production floors and factories are increasingly automating themselves to improve efficiencies and turn-around-time. Industrial Automation is the essential subject that focuses on industrial programming PLCs, automating cells, advanced programming, and designing/building task-oriented industrial machines. The subject will enable students to engage in active learning, critical thinking, and problem-solving. They will learn to develop basic automation procedures and processes. Students will study logic development and simulating machines and combine automation to perform common industrial tasks. This creates opportunities for students to improve outputs & efficiency across industries.

Subject Name:	Mechatronics (Electromechanical Production)
Subject Code:	1802
Hours:	150
Description:	The subject includes exposure to 6-axes Articulated Industrial Robot, robot anatomy, the various components of industrial mechatronic robots. Further, the subject contains topics on Robot Jogging using Teach Pendant, and Basic Motion Programming in mechatronic machines. The

	subject will create an understanding of modern electro-mechanical machines such as electric vehicles.
Rationale:	As technology is penetrating industries and integrating electronics into conventional mechanical machines, students with knowledge of mechatronics will be able to remain relevant in industrial roles. The understanding of mechatronic machines like Industrial Robotic Arms and how they work and its principles can enable a career for students in Design, Testing, Installation, Upgradation and Repairing of Industrial Robotic Machines, all while adhering to safety regulations. The subject also helps students to develop strong critical and analytical thinking, problem-solving, and communication skills, which help them excel in their professional & personal life.

Subject Name:	Robotics and Automation - Foundation (Robotics & Automation)
Subject Code:	1803
Hours:	150
Description:	The subject contains concepts of mechanics, pneumatics and electro-pneumatics, related electrical and electronics concepts, technologies of communication, operating controllers (PCB Design, Board Design and Soldering), related computing concepts and programming, learn about various types of manipulators, concept of cobots, learn about mobile robots and drones.
Rationale:	The aim is to provide foundational skills in robotics to all students and deconstruct aspects of a robot. The subject enables understanding of building blocks of robotics starting with its mechanical concepts to electronic and computing concepts. It provides students a holistic view of the subject and helps create cross-competent skilled employees that can handle mechanical, electronic and computing tasks seamlessly.

Subject Name:	Smart Manufacturing and AI-ML in Robotics (Robotics & Automation)
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Subject Code:	1804
Hours:	150
Description:	The subject contains concepts of computer-aided or digital design and manufacturing, basic industrial automation (integration), sensing technologies, role of controllers, various types of actuation, Internet of Things (IoT)/ Industrial IoT, foundations of robot operating systems (ROS), hands-on use of simulation environment (Gazebo), C++, python, machine learning, computer vision and artificial intelligence.
Rationale:	The aim is to provide understanding of the new age manufacturing technologies in the industry that focuses largely on digital techniques. The subject also aims to provide perspective of an integrated manufacturing plant or industry by giving understanding of its physical & digital components like sensing technologies, controller technologies, actuation to the software powering these components like ROS, simulation environment like Gazebo and C++, python etc.

Subject Name:	Graphic Design (Digital Media & Design)
Subject Code:	1805
Hours:	150
Description:	Digital media communications essentially involve an understanding of visual compositions. The subject offers education in understanding of these visual compositions and their principles including color, typography, visual weight, symmetry, balance etc and will lay foundations for developing effective communications in XI. The process of designing graphic artifacts from research to strategy to ideation and finally implementation will be discussed in detail in XII. The focus on developing empathetic competencies towards problems being solved through graphic design along with the development of visual sensitivities for appropriate articulations will be maintained throughout the subject.

Rationale:	Graphics form the backbone of modern communication and remain an integral part of new age problem solving. The subject aims to outline the process using research to strategy to ideation and implementation as skills of modern problem solving and using Graphics Design as the primary tool for problem solving. It develops an empathetic approach towards users and problems in design along with the development of visual sensitivities to enable students to succeed in problem solving in all contexts.
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Subject Name:	Interaction Design (Digital Media & Design)
Subject Code:	1806
Hours:	150
Description:	Design of interactive digital technologies will be the focus of this subject through learning how to conduct research, ideation, and testing. From basic principles of user interface design, visual ergonomic considerations, cognitive load in interactive systems, content writing for the web, user research methods, animated motion graphics taught in grade XI to the strategic design of UX using persuasive design principles, ethics of persuasion, UX of emerging technologies, UX project management in grade XII will be covered in this subject. Capstone projects where a learner is expected to complete iterations of research, design and testing on an identified social problem towards developing a professional portfolio will be cornerstone of this subject. Animated motion graphics will be covered as part of the subject as well.
Rationale:	Interaction Design has transpired into all forms of products & services, specially digital or tech-enabled products. The course will provide students the understanding of how to develop excellent user experiences & user interfaces to ensure smooth interaction with various types of products and services. In an increasingly design focussed world, students will be set up for success in multiple industries and provide user-centered solutions to interaction problems. Animation technologies will enable students to

	develop storytelling skills and develop different types of visuals.
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Subject Name:	Fashion & Its Business (Fashion Design & Aesthetics)
Subject Code:	1807
Hours:	150
Description:	The subject includes three domain areas - fashion, textiles, and the fashion business. The area of fashion would include the history of fashion and the elements and principles of design in grade 11 which would continue with history of Indian clothing and creating content for different fashion consumer markets in grade 12. The area of textiles would include textile processing in grade 11 which would be taken forward into types of fabrics and their application, care labels and maintenance, repairs in grade 12. The area of fashion business would begin with basic fashion retail inputs in grade 11 moving on to basic inputs in the areas of production and quality control as well as new trends in the fashion business in grade 12
Rationale:	The subject gives an understanding of the history of the concept of fashion and its business. From the origins to the modern age retail form of its business, it covers the breadth of the history of fashion. This enables students to understand the evolving nature of the business and the ways of its evolution enabling a big picture thinking perspective in their mindset. Further, new age skills of the business like understanding of fabrics, modern applications of it, various production technologies, quality control mechanisms will enable productive engagement in the industry.

Subject Name:	Design Process and Product Realization (Fashion Design & Aesthetics)
Subject Code:	1808
Hours:	150

Description:	This subject would broadly deal with 2 major domains - design process and product realisation. The area of product realisation would be divided into areas of value addition, pattern making and construction. Design process grade 11 it elaborate on the design movements using the works of designers leading to the understanding and application of the design process in grade 12. In addition students would be learning about embroideries in grade 11 and based on the learnings in grades 9 and 10 and 11, they would be doing creative explorations in class 12. Pattern making and construction for grade 11 would include the basics in both areas and skirts and its variations and direct drafting for Indian-wear in pattern making and culminate in trousers, shirts and advanced direct drafting of Indian wear in pattern making and construction of a garment in grade 12.
Rationale:	The subject will develop systematic thinking in students to navigate the complete cycle of product design to development of products developing comprehensive understanding of complete process in the students. It focuses on using fundamental product design concepts such as understanding movements of fashion to drive learnings and product development techniques that help realise the design into tangible products. The subject will enable students to understand the complete process of product development while helping identify their specific area of expertise in it.

We Assess to Learn

Subject Name:	Fashion Representation and Digital Design (Fashion Design & Aesthetics)
Subject Code:	1809
Hours:	150
Description:	This has two domain areas: Drawing and Illustration and Digital Design. In grade 11 this would include students doing free hand drawing, outdoor sketching, and perspectives as well as learning a few design software and an understanding of design digitisation. It would culminate

	into trades sketching, flat specs. and fashion styling (with photography and makeup) and special effects, illustrating garments on croquies, and flat specs using digital design in grade 12.
Rationale:	The subject focuses on ideation of fashion products and begins from hands-on techniques to digital techniques. The breadth of the subject ensures strong fundamental skills are built in students and they develop artistic sensibilities sufficiently as they undertake fashion representation in any form. The skill enables students to design a wide variety of products of fashion in hands-on and digital manner.

Subject Name:	Financial management & investing (Finance and Accounting)
Subject Code:	1810
Hours:	150
Description:	The financial management(FM) subject will include a compilation of different financial components, their functions and their applicability in various circumstances. It also provides for managing daily financial operations, understanding the threats/risks and learning effective strategies for doing business marketing. Some of the key concepts are defining SMART financial goals, learning how to open a DEMAT account and invest in stocks as well as mutual funds, recognizing how to safeguard oneself against cybercrimes especially related to money, marketing tools and techniques, capital budgeting techniques - NPV, IRR, PI, PB and ARR, leverages, value of firm etc.
Rationale:	The subject enables students to make personal investments for financial freedom. It helps them understand the importance and complexities of cyber threats and information security in financial services. It promotes learning skills to help pursue a career in the field of finance. It hones the skills of critical and analytical thinking, observation, decision-making, planning and organization from a financial standpoint. This sets up students to succeed in the financial & business world or

	operate from a financially prudent lens as an entrepreneur.
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Subject Name:	Accountancy (Finance and Accounting)
Subject Code:	1811
Hours:	150
Description:	This subject will include the knowledge of basic accounting processes, principles, and assumptions in recording transactions, some of which includes recording journal entries, preparing a bank reconciliation statement, and trial balance, classifying the constituents of a Profit & Loss account, operating MS-Excel and other crucial softwares related to the subject.
Rationale:	The subject aims to familiarize students with emerging fields with the preparation and presentation of financial statements. It will help them learn how to maintain an account of where the money goes and where it comes from at a personal level or a small firm level. The students need to obtain hands-on knowledge of a tool (MS Excel) to learn the skills of managing, recording and processing accounting databases. It will also hone the skills of critical and analytical thinking, observation, decision-making, planning and organization. The understanding of accounting will open students up to contribute to any small to big corporation or setup systematic accounting as an entrepreneur.

We Assess to Learn

Subject Name:	Full Stack Web Development and Application Development
Subject Code:	1813
Hours:	150
Description:	The subject includes topics on web development including developing web pages, website layouts, integrating different APIs for interactivity & function with a focus on industry relevant programming languages such as Javascript, developing microservices and managing digital

	content on websites. Further, the subject will include topics on application development, primarily centered on android app development including coding, testing, launching specific features and complete apps on app stores.
Rationale:	Websites and apps are ubiquitous in the 21st century and technological penetration is increasing with each passing year. Websites and apps have become fundamental requirements of digital presence, conducting business and engaging customers/consumers. The subject aims to equip students in harnessing this trend by skilling them in end-to-end development of highly engaging websites and useful applications in an age-appropriate manner. The subject will create opportunities for students in the technology sector from freelancing to formal roles at technology companies that cater to website & application development domain.

Subject Name:	Data Science, AI-ML and Networking Communication
Subject Code:	1812
Hours:	150
Description:	The subject includes topics on data structures, data mining, data science tools such as excel, visual basics & python, solvers for optimization, algorithm development in AI-ML, understanding computer networks, its management, communication technology in computers
Rationale:	Data is highly valuable in the digital world and harnessing its power is a crucial skill in modern businesses. The subject aims to develop student skill in analyzing large scale data sets to derive useful insights as required for various contexts. The subject aims to skill students in the latest industry relevant tools used for such tasks. The subject will delve into deeper emerging technologies such as basics of Artificial Intelligence and Machine Learning. This skilling provides students with opportunities in these domains. Further, the subject will also skill students in understanding how multiple devices engage &

	communicate with each other over a network. This ensures students access opportunities in the technology infrastructure domain as well.
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6.3.2. Humanities

Subject Name:	Interdisciplinary Theories
Subject Code:	1901
Hours:	150
Description:	Interdisciplinary Theories will weave multiple humanities and social science subjects together along with close reading and analysis of texts. Students will be exposed to topics and will analyse them from multiple lenses like the gender perspective, environment perspective etc. Students will cover topics in more depth because they are considering the many and varied perspectives from which a topic can be explored. Exploring topics across a range of subject boundaries motivates students to pursue new knowledge in different subject areas.
Rationale:	Interdisciplinary knowledge in the 21st century provides an edge in academics as well as prepares students for various career pathways. It bridges the gap between concepts and real-life scenarios. This unique approach of learning and analysing concepts from an interdisciplinary lens develops critical thinking, cross-referencing skills in students. Through global perspectives and knowledge helps to become global learners and citizens. It will act as the Foundational level for all subjects, an important grounding for all students as they make choices post Grade 12 to pursue subjects other than those they have chosen in the Specialised bucket/Electives.

Subject Name:	Legal Studies
Subject Code:	1902
Hours:	150

Description:	<p>'Legal Studies' lay foundations for understanding the principles and ideas that are at the heart of our democracy which are foundational to applied fields of 'Public Policy' and 'Law'. The subject unravels the rationale behind framing of our Constitution which forms the basis on which the institutional and normative structure of our State is based. Justice and citizen's rights are at the center of Indian Constitution and the different democratic institutions are meant to address these concerns by heeding to the interests of a diverse set of groups. These diversities represent both rich pluralism of culture and also inequalities of resources and opportunities.</p>
Rationale:	<p>The broader goal to teach the subject is for students to have a learning experience to develop</p> <ol style="list-style-type: none"> a. Understand the centrality of the idea of justice and citizen's rights in democratic polity and the mechanisms of negotiating it. b. To develop abilities, skills, dispositions essential for the professions of legal practice and public policy.

Subject Name:	Mass Media
Subject Code:	1903
Hours:	150
Description:	<p>Mass media will build several skills in students needed to leverage a wide range of communication tools and formats for a variety of objectives aimed at different audiences. Students will learn the basics of different platforms for communication including television, radio, social media, print, offline, etc. and how storytelling differs across each of them. Students will also learn how to plan their communication based on what the objective is (to inform, to educate, to entertain) and to tailor their communication style based on the target audience. They will also learn the basics of storytelling including structuring their texts, using narratives effectively, and adding visual elements. In particular, students will build proficiency in two career specialisations: Journalism and</p>

	<p>Content Writing. In journalism, students will be exposed to various forms of journalism and the journalistic process that converts a story into an article/op-ed/newsroom debate, etc. In Content Writing, students will learn writing for new-age short format mediums such as for OTTs, blogs, and podcasts.</p>
Rationale:	<p>Storytelling and effective communication using a wide-range of communication tools is required in almost all professions. While these skills are extremely transferable and students will be able to leverage them in whatever they do, exposure to career pathways such as journalism and content writing will allow them to reflect on such professions as viable options available to them after education. Journalism and Content Writing as professions are aspirational and integral to any democracy given they offer a reflection of the society, and also hold the power to positively create meaningful change.</p>

Subject Name:	Data, Research and Analysis
Subject Code:	1904
Hours:	150
Description:	<p>‘Data, research and analysis’ module orients students to research and its different aspects. The module introduces students to research as a skill requiring criticality, systematic, and building arguments with evidence. With examples from everyday life, students will be able to grasp the process of doing research, understand different types of research and research tools, as well as develop a nuanced view of the nature and importance of social science research.</p> <p>The module will use videos, news articles, case-studies, hands-on activities like observations, classification etc., and allow students to perform analytical tasks on these. This will help students understand the concepts embedded in research and practice some of the skills in a limited way. This module is the basis of the career modules ‘Academic Research’ and ‘Marketing Research’ that are associated with this skill module.</p>

	<p>Marketing Research aims at developing an interest in the skills needed to be a marketing research professional. Students today need to be aware of what marketing is, and how research within and about the marketing department is conducted.</p> <p>The Academic Research module begins by laying out what academic research is - the various stages of a research study, and the kind of output of such a study in the form of a research paper. It then acquaints the student with the basics of quantitative research through various means, including an interview with a researcher who specialises in quantitative research methods, and the opportunity to carry out a small survey among friends in secondary grades.</p>
Rationale:	<p>All organizations, large and small, cannot survive without marketing. The marketing department may be small or large, formally defined or otherwise, but it is a critical function within the organization. With larger and more complex organizations, marketing assumes an ever more important role.</p> <p>Additionally, this module aims to give students a glimpse into the world of academic research in social sciences. Academic research tends to be somewhat invisible in the world of work. Traditionally it was in the domain of universities, undertaken by students doing a PhD or by teachers in universities. Its primary contribution is the building of knowledge in different disciplines. Grounded in the work of fellow researchers, past and present, it is chiefly published in academic journals, Academic research comes to the notice of the public only when a prominent person in the government or private sector refers to a particular study and uses its findings to advocate for or against a particular point of view or policy prescription.</p>

Subject Name:	Urban Planning
Subject Code:	1906
Hours:	150

Description:	The aim of urban planning is to sustain and enhance the quality of life in cities and regions. Students will acquire a broad knowledge that leads to an understanding of the natural and social environments, their problems, and their potential for enriching human life. The subject will emphasize skills in analysis, problem solving, and communication within complex urban and social contexts.
Rationale:	The future will require good urban planners who can address the complex challenges facing cities, such as rapid urbanization, climate change, social and economic inequality, technological advances, and the need to improve quality of life. The curriculum is designed for students to learn to work and learn through work. They will also engage with the need to teach oneself to upgrade one's skills and understanding to address new tasks and requirements.

Subject Name:	Social Work
Subject Code:	1905
Hours:	150
Description:	Social work is the professional activity of helping individuals, groups, or communities enhance or restore their capacity for social functioning and creating societal conditions favorable to this goal. Social work practice consists of the professional application of social work values, principles, and techniques to promote human and community well-being. Utilizing theories of human behaviour and social systems, social work intervenes at the points where people interact with their environments. Principles of human rights and social justice are fundamental to social work
Rationale:	As the world becomes more complex and diverse, the need for social services is rapidly growing. The social work subject will provide an experiential teaching to students to build on their academic and interpersonal skills in preparation for both studying and in practice social work as a potential future career pathway.

6.3.3. PVA

Subject Name:	Music General
Subject Code:	2001
Hours:	150
Description:	<p>This subject focuses on specializing in either Western or Indian music theory and instrument (as opted by the student) with an in-depth theoretical, practical, and cultural context. Key components of the subject are two-fold:</p> <ol style="list-style-type: none"> 1. Further building on contemporary Western music theory/ Indian music theory and repertoire, ear training, active listening/analysis, and creative expression of musical concepts through composition and improvisation. 2. Specialising in the chosen Indian/Western instrument.
Rationale:	<p>For an aspiring musician in a globalised nation, it is important to build a specialization over and above the foundation of Indian, Western and contemporary music. Music Core is conceptualised so students get the opportunity to engage deeper with the chosen style of music. Moreover, the subject also seeks to further enhance their listening skills and musical perception, thereby building a niche set of skills in the chosen style of music.</p>

Subject Name:	Applied Music and Instrument Studies
Subject Code:	2002
Hours:	150
Description:	<p>This subject focuses on performance-, technology- and industry-related aspects of music. Students build an advanced understanding of performance conventions in Indian and Western traditions in solo and ensemble (group) setups. They also develop an advanced understanding of music technology and its role in today's industry. Students choose a secondary instrument specialisation, on which they progressively build technical prowess and facility. Individual lessons, ensemble classes, and performance</p>

	practice provide a space for both technical development and exploration of a diverse and progressive musical repertoire. This discipline is further supported by introducing careers and business of music to better equip students for their entrepreneurial and higher-education paths by way of internships and shadow programs.
Rationale:	Clarity and knowledge of diverse styles of performance and composition, technical facility, and industry know-how are critical to the artistic and professional development of aspiring musicians. This subject also focuses on inculcating healthy artistic habits in students, such as the development of a regular practice routine through a secondary instrument. It allows the learner to consistently build toward creating their own creative identity across the years and eventually curate a unique niche of excellence in the field of music.

Subject Name:	Visual Arts
Subject Code:	2003
Hours:	150
Description:	<p>Visual Arts Development and Practice builds student's visual making skills towards application in the real-world industry practice through 'studio mode'.</p> <p>There are 6 studio practices (mirrored to industry practices) included in this course, namely - 'Media and Communication', 'Space and Place', 'Product and Production', 'Art Practice', 'Society and Development' and 'Digital Technology'. Students are exposed to medium and materials, ideation, prototyping, craft practices and exhibitions. The studio practice is designed to be completely project-based and experiential, therefore also includes immersion in capstone projects and internships. Progressively, over grades 11-12, students will pick up on a studio practice to deepen expertise in. In this chosen practice, students will take up a 'self-initiated project' as</p>

	a year-end project deliverable.
Rationale:	In a competitive world, this course gives students an early advantage in preparation for aspirational career opportunities by providing them an experiential taster into select practices. The multi-practice exposure spanning different mediums and forms will also help students identify their own interest and skill areas, enabling informed higher-ed/career choices in the future

Subject Name:	Creative Expression and Analytic Thinking
Subject Code:	2004
Hours:	150
Description:	This subject orients the learner to develop a synthesis between research, practice, and an internal creative process. The subject focuses on developing a deeper understanding of art & design practice by way of infusing modules on careers across 6 paths - mirrored to the offering of the 'Visual Arts' subject. Each area of study will enable students to apply in realistic settings by way of internships, effectively use and build on research tools, enhance the perception of art (its history and context), and foster creative and critical thinking.
Rationale:	Visual Art learners must understand the concept of self, others, the natural world, and constructed environments through the active engagement with visual art production. This subject will help the learner further build and hone their process of synthesizing knowledge and personal experiences to make visual art and develop an aesthetic eye as well as an empathetic awareness towards the world. The multi-medium attribute of the subject makes the learner aware of the process of producing an art & design outcome and identify diverse creative opportunities during that process.

