



CBSE/Sk. Ed./JS/2019

Date: 09.03.2019

Circular No. 14 /2019

To
The Heads of all Institutions
Affiliated to CBSE

Subject: Introduction of Artificial Intelligence, Early Childhood Care Education and Yoga as New subjects in School curriculum from the Academic session 2019-2020.

Greeting from CBSE!

1. Artificial Intelligence (AI) is being widely recognized to be the power that will fuel the future global digital economy. AI in the past few years has gained geo-strategic importance and a large number of countries are striving hard to stay ahead with their policy initiatives to get their country ready. India's own AI Strategy identifies AI as an opportunity & solution provider for inclusive economic growth and social development. The report also identifies the importance of skills-based education (as opposed to knowledge intensive education), and the value of project related work in order to "effectively harness the potential of AI in a sustainable manner" and to make India's next generation to be 'AI ready'.

As a beginning in this direction, CBSE is introducing Artificial Intelligence as an optional 6th subject at Class IX from the Session 2019-2020 onwards. To enhance the multidisciplinary approach in teaching learning and also to sensitize the new generation, it was decided that School may start AI "Inspire module" of 12 hours at Class VIII itself.

2. Similarly over the last few decades, there has been an upsurge in the prevalence of yoga and Early Childhood Education. Yoga will teach a way of living that aims towards a healthy mind in a healthy body whereas Early Childhood Education will prepare the students to teach children of nursery and kindergarten classes through Montessori, happy education or other system of child centric education.

Considering the demand of schools supplemented by various reports that projected the huge requirement of Yoga Professionals and Early Childhood Educators, Board has decided to introduce Yoga and Early Childhood Education as an Elective subject at Senior Secondary level from this academic session.

3. Beside these new programmes, Board is already offering various Skill subjects at Secondary and Senior Secondary level to upgrade the skills and proficiency of the young generation and also to provide them awareness to explore about various career options. The list of all the Skill subjects may be seen at **Annexure-1. More than 6.5 lakh students have presently opted for these subjects at Secondary and Senior Secondary level in 6543 schools.**

4. At Secondary Level, a Skill subject may be offered as additional sixth subject along with the existing five compulsory subjects. If any student fails in any one of the three elective subject (i.e. Science, Mathematics and Social Science), then it will be replaced by the Skill subject (offered as a 6th subject) and result of Class X will be computed based on best five subjects. However, if a candidate desires to reappear in the failed subject, he/she may appear along with the compartment examination.

Contd.



-: 2 :-

5. Similarly, at Senior Secondary level, Board would appreciate, if your esteemed school offers at least one or more Skill Based subject as elective subject out of the 42 subjects, which can orient the students to explore new avenues and acquire pre-professional skill to face the challenges of life in future.
6. Therefore, schools are requested to choose any one or more Skill subjects for the students of class IX & XI from the enclosed list (refer **Annexure-1 & 2 respectively**) and start offering the same from the academic session 2019-20 onwards. The scheme of studies for Secondary level and Senior Secondary level is also enclosed at **Annexure-3 & 4 respectively**.
7. The Board will provide necessary support and guidance towards training and capacity building of teachers and other aspects for the successful implementation of all Skill subjects from time to time.
8. The application for introducing the skill subjects **for session 2019-2020** should be sent to CBSE by **31st May 2019** in the following manner –

(a) For introducing Artificial Intelligence in class VIII & IX	Application is to be filled online using the link : https://goo.gl/forms/sE4KUMKqkMikzv973
(b) For introducing skill subject(s) in class IX	Application is to be filled online using the link : https://goo.gl/forms/EUe4OHD5rYvjkrz2
(c) For introducing skill subject(s) in class XI	Duly filled in application (Annexure-5) along with requisite fee to be sent by post to CBSE.

9. However, if the school desires to offer Skill subject(s) from the **session 2020-2021** at Senior Secondary level, the schools may apply online through the CBSE affiliation portal (http://cbseaff.nic.in/cbse_aff/welcome.aspx) as per the schedule of the Board.
10. For any further query, the school may contact Joint Secretary, Department of Skill Education, CBSE, 'Shiksha Sadan', 17 Rouse Avenue, New Delhi-110002 through email at skilleducation.cbse@gmail.com.

Biswajit Saha

(Dr. Biswajit Saha)

Director (Training and Skill Education)

Encl:

- I. Annexure-1: List of Skill Subjects offered at Secondary Level.
- II. Annexure-2: List of Skill Subjects offered at Senior Secondary Level.
- III. Annexure-3: Scheme of Studies at Secondary Level.
- IV. Annexure-4: Scheme of Studies at Senior Secondary Level.
- V. Annexure-5: Application form to offer Skill subject(s) in Class – XI (session -2019-20).



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

1. The Commissioner, Kendriya Vidyalaya Sangathan, 18-Institutional Area, Shaheed Jeet Singh Marg, Delhi-110016.
2. The Commissioner, Navodaya Vidyalaya Samiti, B-15, Sector-62, Institutional Area, Noida 201309 3.
3. The Director of Education, Directorate of Education, Govt. of NCT of Delhi, Old Secretariat, Delhi-110054
4. The Director of Public Instructions (Schools), Union Territory Secretariat, Sector 9, Chandigarh-160017
5. The Director of Education, Govt. of Sikkim, Gangtok, Sikkim –737101
6. The Director of School Education, Govt. of Arunachal Pradesh, Itanagar –791 111
7. The Director of Education, Govt. of A&N Islands, Port Blair - 744101
8. The Director, Central Tibetan School Administration, ESSESS Plaza, Community Centre, Sec 3, Rohini
9. The Additional Director General of Army Education, A – Wing, Sena Bhawan, DHQ, PO, New Delhi-110001
10. The Secretary AWES, Integrated Headquarters of MoD (Army), FDRC Building No. 202, Shankar Vihar (Near APS), Delhi Cantt-110010
11. All Regional Directors/Regional Officers of CBSE with the request to send this circular to all the Heads of the affiliated schools of the Board in their respective regions for compliance.
12. All Director/Heads/ In-Charges, COEs of the Board with request to disseminate the information
13. All Joint Secretary/Deputy Secretary/Assistant Secretary, CBSE
14. In charge IT Unit with the request to put this circular on the CBSE Academic website
15. The Public Relations Officer, CBSE
16. PS to Chairperson, CBSE
17. SPS to Secretary, CBSE
18. SPS to Controller of Examinations, CBSE
19. SPS to Director (Information Technology), CBSE
20. SPS to Director (CTET)
21. SPS to Director (Edusat)
22. SPS to Director (Academics) CBSE.
23. SPS to Director(Professional Exam), CBSE
24. SPS to Director(Skill Education), CBSE

Director (Training and Skill Education)





ANNEXURE - 1

LIST OF SKILL SUBJECTS OFFERED AT SECONDARY LEVEL (FOR IX & X)

S. No.	SUB CODE	NAME OF THE SUBJECTS	JOB ROLES	MARKS	
				Theory	Practical
1	401	Retail	Store Operations Assistant	50	50
2	402	Information Technology	Domestic Data Entry Operator	50	50
3	403	Security	Unarmed Security Guard	50	50
4	404	Automotive	Automotive Service Technician	50	50
5	405	Introduction To Financial Markets	Business Correspondent	50	50
6	406	Introduction To Tourism	Assistant Tour Guide	50	50
7	407	Beauty & Wellness	Assistant Beauty Therapist	50	50
8	408	Agriculture	Solanaceous Crop Cultivator	50	50
9	409	Food Production	Assistant Cook (reg.)	50	50
10	410	Front Office Operations	Front Office Executive	50	50
11	411	Banking & Insurance	Field executive	50	50
12	412	Marketing & Sales	Marketing assistant	50	50
13	413	Health Care	General Duty Assistant	50	50
14	414	Apparel	Hand Embroider	50	50
15	415	Media	Texture Artist	50	50
16	416	Multi Skill Foundation Course	Multi Skill Assistant	50	50
17	417	Artificial Intelligence (NEW)		50	50



ANNEXURE - 2

LIST OF SKILL SUBJECTS OFFERED AT SENIOR SECONDARY LEVEL (FOR XI & XII)

S. NO.	SUB. CODE	NAME OF THE SUBJECTS	JOB ROLES	MARKS DISTRIBUTION	
				Theory	Practical
1	801	Retail	Sales Associate	60	40
2	802	Information Technology	Domestic IT Helpdesk Assistant	60	40
3	803	Web Application	Web Developer	60	40
4	804	Automotive	Automotive Service Technician	60	40
5	805	Financial Markets Management	Equity Dealer/ Mutual fund agent	60	40
6	806	Tourism	Tour Guide	60	40
7	807	Beauty & Wellness	Beauty Therapist	60	40
8	808	Agriculture	Agriculture Extension worker	70	30
9	809	Food Production	Trainee Commie	60	40
10	810	Front Office Operations	Counter Sales Executive	60	40
11	811	Banking	Sales Executive (Banking product)	60	40
12	812	Marketing	Marketing Executive	60	40
13	813	Health Care	General Duty Assistant	60	40
14	814	Insurance	Sales Executive (Insurance)	60	40
15	815	X-Ray Technician	X-Ray Technician	60	40
16	816	Horticulture	Floriculturist (Protected)/ Entrepreneur	60	40
17	817	Typography & Computer Application	Executive Assistant	60	40
18	818	Geospatial Technology	GIS operator	60	40
19	819	Electrical Technology	Field Technician	60	40
20	820	Electronic Technology	Installation Technician	60	40
21	821	Media	Animator	60	40
22	822	Taxation	Assistant Tax consultant / GST Accounts Assistant	60	40
23	823	Cost Accounting	Jr. Accountant	60	40
24	824	Office Procedures & Practices	Executive Assistant	60	40



S. NO.	SUB. CODE	NAME OF THE SUBJECTS	JOB ROLES	MARKS DISTRIBUTION	
				Theory	Practical
25	825	Shorthand (English)	Stenographer	60	40
26	826	Shorthand (Hindi)	Stenographer	60	40
27	827	Air-conditioning & Refrigeration	Service Technician	60	40
28	828	Medical Diagnostics	Medical Lab Technician	60	40
29	829	Textile Design	Design Assistant (Apparel / Textile)	60	40
30	830	Design	Asstt. Designer	60	40
31	831	Salesmanship	Sales Executive	60	40
32	832	Music Production	Production assistant	60	40
33	833	Business Administration	Business Executive	70	30
34	834	Food Nutrition & Dietetics	Assistant Dietician	70	30
35	835	Mass Media Studies	Media Assistant	70	30
36	836	Library & Information Science	Library Assistant	70	30
37	837	Fashion Studies	Assistant Fashion Designer	70	30
38	841	Yoga (NEW)	Yoga Instructor	60	40
39	842	Early Childhood Education (NEW)	Early Childhood Educator	60	40

FEES FOR OFFERING SKILL SUBJECTS AT SENIOR SECONDARY LEVEL:

DESCRIPTION	SESSION 2019 - 2020
• Govt./ Aided schools / KVs / JNVs located in India	Rs. 2,000/- per subject
• Govt./ Aided schools / KVs located overseas	Rs. 5,000/- per subject
• Independent schools located in India	Rs. 5,000/- per subject
• Independent schools located overseas	Rs. 20,000/- per subject

NOTE: Fee is to be paid only through Demand Draft made in favour of 'Secretary, CBSE' payable at Delhi.

ANNEXURE – 3

SCHEME OF STUDIES AT SECONDARY LEVEL (CLASS IX/X)

SUBJECTS		DESCRIPTION OF SUBJECTS
COMPULSORY	SUBJECT 1	Language 1
	SUBJECT 2	Language 2
	SUBJECT 3	Science
	SUBJECT 4	Mathematics
	SUBJECT 5	Social Science
OPTIONAL	SUBJECT 6	SKILL SUBJECT *
	SUBJECT 7	Language 3 / Any Academic subject other than those opted above
SUBJECTS OF INTERNAL ASSESSMENT {Assessment and certification at school level}	SUBJECT 8 AND 9	Art Education Health & Physical Education (Work Experience subsumed)

NOTE:

- a)** *If a student fails in any one of the three compulsory academic subjects (i.e. Science, Mathematics and Social Science) and passes in the Skill subject (offered as 6th optional subject), then it will be replaced by the Skill subject and result of Class X Board examination will be computed accordingly.
- b)** Students offering additional sixth skill subject may also offer an additional language III/subject as 7th subject.
- c)** Computer Application (Code 165), Information Technology (Code 402), Artificial Intelligence (Code 417) and Media (Code 415) cannot be taken together.

ANNEXURE – 4

SCHEME OF STUDIES AT SENIOR SECONDARY LEVEL (CLASS XI/XII)

SUBJECTS	DESCRIPTION OF SUBJECTS
SUBJECT I	Language 1: English or Hindi
SUBJECT II	Language 2: Language other than Language 1 OR An Academic Elective in lieu of Language 2
SUBJECT III, IV & V	Two Academic Electives and one Skill Elective OR One Academic Electives and Two Skill Electives OR Three Skill Electives
SUBJECT VI - Additional Subject (optional)	One language at Elective Level OR One subject from Academic Electives OR Any One subject from Skill Electives
SUBJECT VII TO VIII (Subjects of Internal Assessment)	502 – Health and Physical Education 503 – General Studies

NOTE:

- Out of the two languages, one shall be English or Hindi, both English and Hindi can also be offered simultaneously. However, same language cannot be offered both at Core and Elective levels.
- Business Studies (054) and Business Administration (833) cannot be taken together.
- Informatics Practice (065) cannot be taken with Information Technology (802) or Web Application (803).





ANNEXURE-5

CBSE-DEPARTMENT OF SKILL EDUCATION

**APPLICATION FORM TO OFFER SKILL SUBJECT(S) IN CLASS XI
(SESSION 2019-2020)**

1. NAME OF THE SKILL SUBJECT(S) APPLIED (WITH SUBJECT CODE): <i>Refer to Ann. 2 for list of Skill Subjects offered at Senior Secondary level.</i>			
2. NAME OF THE SCHOOL			
3. ADDRESS OF THE SCHOOL			CITY:
	STATE:	PIN CODE:	
4. AFFILIATION NO.		AFFILIATED UPTO:	
5. SCHOOL NO.		CBSE REGIONAL OFFICE :	
6. NAME OF THE PRINCIPAL			
7. PHONE NO.	SCHOOL:	MOBILE NO.:	
8. EMAIL ID.			
9. SCHOOL WEBSITE			
DETAILS OF THE TEACHER(S) FOR THE SKILL COURSE(S) APPLIED			
NAME(S)	MOBILE NO.	EMAIL ID	QUALIFICATIONS
DETAILS OF FEE: <i>(Fee is only payable through a Demand Draft made in favour of Secretary, CBSE and payable at Delhi)</i>			
DD. NO. WITH DATE		ISSUING BANK	
AMOUNT (in digits):		(in words):	

Signature & Seal of the Principal

The above proforma duly completed in all respects must be sent by post to: **THE DIRECTOR (SKILL EDUCATION & TRAINING), CBSE, "SHIKSHA SADAN", 17, ROUSE AVENUE, NEW DELHI-110002.**