



## NOTIFICATION

### **Teacher Training Sessions to be conducted by CBSE in partnership with Microsoft**

CBSE in partnership with Microsoft shall be conducting various teacher training sessions from 11<sup>th</sup> November, 2021 onwards.

As you are aware that CBSE had introduced 'Coding' as a skill module of 12 hours duration in classes VI-VIII from the Session 2021-2022 onwards. The Books and teacher resources are available on the CBSE portal. The idea is also to simplify the coding learning experience by nurturing design thinking, logical flow of ideas and apply this across the disciplines. The foundations laid in the early years will help the students to build the competencies in the area of AI, data sciences and other disciplines.

Exposure on Coding Curriculum is being built through Teacher Training Sessions with support from Microsoft from **11<sup>th</sup> Nov. 2021 to 20<sup>th</sup> Nov, 2021** as per the details at Annexure A. The purpose of these sessions is to prepare teachers to enable the future workforce to acquire data science skills early in their educational phase and build a solid foundation to be industry ready.

CBSE had also introduced 'Data Science' as a skill module of 12 hours duration in class VIII and as a skill subject in classes IX-XII. The Books and teacher resources are available on the CBSE portal. The objective of this curriculum is to lay the foundation for Data Science, understanding how data is collected, analyzed and, how it can be used in solving problems and making decisions. The course covers the theoretical concepts of data science followed by practical examples to develop critical thinking capabilities among students. It also covers ethical issues with data including data governance and builds foundation for AI based applications of data science.

Exposure on Data Science Curriculum is being built through Teacher Training Sessions with support from Microsoft from **11<sup>th</sup> Nov, 2021 to 18<sup>th</sup> Nov, 2021 from 3:00 PM to 4:00 PM** as per the details at Annexure B. The purpose of these sessions is to prepare teachers to enable the future workforce to acquire data science skills early in their educational phase and build a solid foundation to be industry ready.

CBSE is hosting Teacher Training Sessions in partnership with Microsoft from **11<sup>th</sup> Nov, 2021 to 13<sup>th</sup> Nov, 2021 from 11:00 AM to 1:00 PM** as per the details at Annexure C. These sessions are being held to enable teachers to promote authentic, real-world learning that promotes ownership and collaboration. Also, to deliver student centered learning that makes each student unique, including their interests, needs, culture, learning styles, experiences and challenges.

- **Modern Workplace Program for Educators** will focus on how productivity suite enhances workplace skills of school leaders and educators. It will also train the teachers on tools and techniques of AI to enable students to link these concepts to the real world.
- **Learning from Anywhere** (through Microsoft Teams) will focus on the collaborative platform of Microsoft Teams for teaching and learning. Hybrid learning assumes importance going forward and this session will help in deliver the same.
- **Accessibility and special education: supporting equity in remote learning environment:** this workshop provides educators with tools that facilitate students with disabilities to unlock their full potential by addressing the diversity of needs and support students with inclusive and personalized environment.



# केन्द्रीय माध्यमिक शिक्षा बोर्ड ( शिक्षा मंत्रालय, भारत सरकार के अधीन एक स्वायत्त संगठन ) CENTRAL BOARD OF SECONDARY EDUCATION (An Autonomous Organisation under the Ministry of Education, Govt. of India)

TOPIC	DATES	DETAILS OF THE SESSIONS AND REGISTRATION LINK
EXPOSURE TO CODING	11 <sup>th</sup> Nov, 2021 to 20 <sup>th</sup> Nov, 2021	Annexure 1
EXPOSURE TO DATA SCIENCE	11 <sup>th</sup> Nov, 2021 to 18 <sup>th</sup> Nov, 2021	Annexure 2
TEACHER TRAINING SESSION ON: 1. Modern Workplace Program for Educators 2. Learning from Anywhere 3. Accessibility and special education	11 <sup>th</sup> Nov, 2021 to 13 <sup>th</sup> Nov, 2021	Annexure 3

**Please note that:**

1. There is no fee for registering for these trainings.
2. Once a teacher registers, Microsoft training partners will share the joining link.
3. The programs are open to all CBSE schools.

**For any further query or feedback, the schools may contact:**

- CBSE: Joint Secretary, Department of Skill Education at [rpsingh.cbse@cbse.org](mailto:rpsingh.cbse@cbse.org)
- Microsoft: Please refer to relevant annexures for contact details of Microsoft partners.

*Biswajit Saha*  
(Dr. Biswajit Saha)

Director (Skill Education and Training)

**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. 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 Andaman & Nicobar Islands, Port Blair - 744101
8. The Director, Central Tibetan School Administration, ESSESS Plaza, Community Centre, Sector 3, Rohini.
9. The Secretary, Sainik Schools Society, Room No.101, D-1 Wing, Sena Bhawan, New Delhi-110001
10. The Additional Director General of Army Education, A – Wing, Sena Bhawan, DHQ, PO, New Delhi – 110001
11. The Secretary AWES, Integrated Headquarters of MoD (Army), FDRC Building No. 202, Shankar Vihar (Near APS), Delhi Cantt – 110010
12. The Secretary Eklavya Model Residential Schools (EMRS), Ministry of Tribal Affairs, Government of India.
13. The Chairman, Odisha Adarsha Vidyalaya Sangathan, N-1/9, Near Doordarshan Kendra, PO Sainik School Nayapalli, Bhubaneswar, Odisha-751005.
14. The Deputy Secretary to Chairman, CBSE - for kind information of the Chairman, CBSE
15. All the Heads of Department of the Board.
16. All the Regional Directors/Regional Officers/Head-COEs, 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.
17. Head (Media & Public Relations), CBSE
18. Assistant Secretary (IT), CBSE, Rouse Avenue with the request to upload this notification on CBSE Academic website.
19. Incharge, Hindi Cell, CBSE HQ – for Hindi Translation of this notification.

Director (Skill Education and Training)



‘शिक्षा सदन’, 17, राऊज़ एवेन्यू, इंस्टीट्यूशनल एरिया, नई दिल्ली-110002  
‘Shiksha Sadan’, 17, Rouse Avenue, Institutional Area, New Delhi – 110002



## CODING TEACHER TRAINING SESSIONS

Exposure on Coding Curriculum is being built through Teacher Training Sessions with support from Microsoft from **11<sup>th</sup> Nov, 2021 to 20<sup>th</sup> Nov, 2021** as per the schedule below.

Coding Sessions		
Date (Time)	Session Title	Registration Link
<b>11.11.2021</b> (3PM - 5PM)	Introduction to Coding & Minecraft & Make Code	<a href="#">Coding Part A</a>
<b>12.11.2021</b> (3PM - 4PM)	Algorithms and Variables using Block Coding	
<b>13.11.2021</b> (3PM - 4PM)	Control with Conditionals; Conditional in Depth	
<b>15.11.2021</b> (3PM - 4PM)	Loops using Block Coding; Get Creative with Loops	<a href="#">Coding Part B</a>
<b>16.11.2021</b> (3PM - 4PM)	Sequencing with Block Coding	
<b>17.11.2021</b> (3PM - 4PM)	Functions	
<b>18.11.2021</b> (3PM - 4PM)	Hello World with Code; Arrays and Collections; Programming with Arrays	
<b>20.11.2021</b> (4PM - 5PM)	Advanced Sequencing	

**For any further query or feedback, the schools may contact**

- Microsoft Partners: [niti@cyberdictiontechnology.com](mailto:niti@cyberdictiontechnology.com) or [phani@k12activityacademy.com](mailto:phani@k12activityacademy.com)

## EXPOSURE ON DATA SCIENCE CURRICULUM

Exposure on Data Science Curriculum is being built through Teacher Training Sessions with support from Microsoft from **11<sup>th</sup> Nov, 2021 to 18<sup>th</sup> Nov, 2021 from 3PM to 4PM.**

Data Science Sessions		
Date (Time)	Session Content	Registration Link
<b>11.11.2021</b> (3PM - 4PM)	Introduction to Data and Data Science; Ethics in Data Science and Data Governance	<a href="#">Data Science Regd</a>
<b>12.11.2021</b> (3PM - 4PM)	Arranging and Collecting Data; Data Visualisation; Use of Statistics in Data Science; Distributions in Data Science	
<b>13.11.2021</b> (3PM - 4PM)	Identify Patterns; Data Merging; Assessing Data; Forecasting on Data; Data Randomisation	
<b>15.11.2021</b> (3PM - 4PM)	Introduction to R Studio	
<b>16.11.2021</b> (3PM - 4PM)	Classification Algorithms; Regression Algorithms	
<b>17.11.2021</b> (3PM - 4PM)	Unsupervised Learning	
<b>18.11.2021</b> (3PM - 4PM)	Projects in Data Sciences	

**For any further query or feedback, the schools may contact**

- Microsoft Partner: [Saffin@hypershiftnnov.onmicrosoft.com](mailto:Saffin@hypershiftnnov.onmicrosoft.com)

## TEACHER TRAINING SESSIONS

CBSE is hosting Teacher Training Sessions in partnership with Microsoft from **11<sup>th</sup> Nov. 2021 to 13<sup>th</sup> Nov. 2021 from 11:00 AM to 1:00 PM** as per the schedule mentioned below. These sessions are being held to enable teachers to promote authentic, real-world learning that promotes ownership and collaboration. Also, to deliver student centered learning that makes each student unique, including their interests, needs, culture, learning styles, experiences and challenges.

### 1. Modern Workplace Program for Educators

Date (Time)	Session Title	Course	Registration Link
<b>11.11.2021</b> (11:00 AM – 1:00 PM)	<b>Modern Workplace Program for Educators</b>	Language Learning, Math applications, Accessibility tools, OneDrive, OneNote, Sway, Teams, Forms, AI in translator, Immersive Reader, AI in Sway, Integrating meeting, Assessments and AI in Forms, Handling virtual sessions using MS Teams, Building interactive classrooms	<a href="#">Modern Workplace</a>

For any further query or feedback on this session, the schools may contact Microsoft Partner through email: [info@juanatech.com](mailto:info@juanatech.com)

### 2. Learning from Anywhere

Date (Time)	Session Title	Course	Registration Link
<b>12.11.2021</b> (11:00 AM – 1:00 PM)	<b>Learning from Anywhere</b>	Hybrid Learning, Hosting online Classroom, Share Presentation, Use digital whiteboard, Interact with students with text, video and audio, Recording of sessions, Making content available for students for asynchronous learning, How to create, submit and grade assignments, How students can work collaboratively on documents, files and presentations	<a href="#">Learning from Anywhere</a>

### 3. Accessibility and special education: supporting equity in remote learning environment:

Date (Time)	Session Title	Course	Registration Link
<b>13.11.2021</b> (11:00 AM – 1:00 PM)	<b>Accessibility and Special Education: Supporting Equity in Remote Learning Environment</b>	Inclusive and Personalised Classrooms to support the diverse needs of students, How to enable students with disabilities to learn with ease and comfort, Tools that support inclusive learning	<a href="#">Accessibility</a>

For any further query or feedback on this session, the schools may contact Microsoft Partner through email: [niti@cyberdictiontechnology.com](mailto:niti@cyberdictiontechnology.com)