

# CBSE | Department of Skill Education

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## ARTIFICIAL INTELLIGENCE

### Frequently Asked Questions

#### THEME 1: GENERAL/ MISCELLANEOUS

**1. What is Artificial Intelligence?**

Artificial Intelligence (AI) is an overarching discipline that covers a broad range of domains and applications, and is expected to impact every field in the coming future. This curriculum focuses on building AI readiness in young minds.

**2. At which level would AI be introduced in schools?**

Class VIII is being considered as the ideal level to introduce school students to AI as children are very inquisitive at this age. In class VIII this will be treated as a certification course while from class IX onwards it will be a regular subject.

**3. Why should a school opt for this curriculum?**

Artificial Intelligence (AI) is an overarching discipline that covers a broad range of domains and applications, and is expected to impact every field of life in the coming times. Hence, schools should opt for it to make the students AI ready.

**4. Which schools can opt for the AI curriculum?**

All CBSE schools are eligible to opt for the AI curriculum.

**5. How will schools apply to opt for this curriculum?**

Please refer to CBSE Circular No. 14/2019 dated 09.03.2019 which can be accessed using the below mentioned link:

[http://cbseacademic.nic.in/web\\_material/Circulars/2019/14\\_Circular\\_2019.pdf](http://cbseacademic.nic.in/web_material/Circulars/2019/14_Circular_2019.pdf)

**6. Why should a student opt for this curriculum?**

Students should opt for this curriculum to become future ready and become at par with their counterparts at a global level. AI is a continually advancing and expanding field and AI readiness will lead to better opportunities, increased levels of understanding and being future ready. It will help them visualise jobs of the future and prepare for them.

**7. What are the prerequisite qualifications for students to opt for this subject?**

There are no prerequisite qualifications to opt for AI as a subject. Anyone who is inquisitive and eager to learn about AI may opt for this subject and get acquainted with new AI concepts prevalent in the current times.

**8. Will AI be introduced as a part of Academic subjects or Skill subjects?**

It is proposed that AI be introduced as part of the Skill Subjects

**9. Is the course friendly for differently abled students?**

Yes. It involves a number of user friendly activities which can be adapted to the needs of differently abled students.

**10. How will the AI curriculum prove beneficial for teachers?**

It will prove beneficial for the teachers by giving them an opportunity to advance their professional development with future technologies and help them better prepare their students for jobs of the future.

**11. Who is eligible to opt for this curriculum?**

The curriculum will be available for all students of Class VIII and Class IX for the schools who opt for it.

## **THEME 2: INFRASTRUCTURE**

**12. What is the infrastructure required to implement the AI curriculum in school?**

Following infrastructure is required to implement AI curriculum in schools

- Minimum 20 computers
- Minimum internet bandwidth of 50 mbps for these 20 computers
- Basic stationery which may include sticky notes, paper marker, glue, chart papers, sketch pens, rulers, A4 size papers etc. (More details will be shared during the Training programme for the schools)

**13. Do schools need to upgrade existing infrastructure for implementing the AI curriculum?**

It depends on the existing infrastructure of the school. If a school already has a computer lab with recommended internet bandwidth then there is no need to upgrade the infrastructure. (Please refer to question 1 in this section)

**14. Do schools require a designated space for implementing the AI curriculum?**

No. Any space with recommended infrastructure may be used for this curriculum. (Please refer to question 1 in this section)

**15. Can Atal Tinkering Labs (ATLs) be used for implementing the AI curriculum?**

Any space with recommended infrastructure may be used for this curriculum. (Please refer to question 1 in this section)

**16. How many periods should be allocated for this curriculum in class VIII and IX?**

For class VIII, 18 - 20 periods (12 hours) are recommended.

For class IX, 168 periods (112 hours) are recommended. The calculation is as per CBSE guidelines where 1 period is of 40 minutes duration

**17. Will schools need to hire a specialist facilitator for implementing the AI curriculum?**

No, schools will not need to hire a specialist facilitator for implementing the AI curriculum. They will need to train their existing teacher (s) for facilitating this curriculum.

## **THEME 3: CURRICULUM**

**18. What is the objective of introducing this curriculum?**

The objective of introducing this curriculum is to equip our youth with skills required for the jobs of the future, create social impact solutions and become AI ready.

**19. What is the objective of this curriculum?**

The core objective of this curriculum is to demystify Artificial Intelligence for youth and equip them with relevant skill-set, mind-set and tool-set to become AI ready.

**20. How will AI as a subject add value to the existing curriculum?**

Artificial Intelligence (AI) is an overarching discipline that covers a broad range of domains and applications. Its multi-disciplinary nature will help to make connections between all other subjects thereby adding value and giving a different perspective for all.

**21. Will AI curriculum have a practical component? What will be the breakup of marks with regard to theory and practical assessment?**

Yes, this curriculum will contain both theory and practical components in equal proportion. More details may be shared at a later stage.

**22. Will this new curriculum be added as subject enrichment for an already existing CBSE subject?**

No, this curriculum will be introduced as a separate optional subject.

**23. How will this curriculum help in developing core skills in a learner?**

The curriculum has a series of interactive activities designed to develop core skills like creative and critical thinking, effective communication, decision making, self-awareness, empathy, teamwork etc. along with conceptual and technical skills among the students.

**24. Will this new subject/curriculum replace existing FIT and IT subjects in class IX?**

No. The new subject will be treated as a separate Skill subject in class IX.

**25. How will this new subject be integrated in the present school time-table?**

AI as a new subject will be accommodated as per the CBSE guidelines for Skill subjects.

**26. Will learners have an option to take this curriculum in class XI and XII?**

As of now the curriculum is being introduced in class VIII and class IX. CBSE will announce guidelines for other classes at a later stage.

## THEME 4: CURRICULUM ASSESSMENT

**27. Will learners be assessed for this curriculum?**

As of now the curriculum is being introduced in class VIII and class IX. For class VIII learners, there will be no assessments. For class IX learners, the assessments will be same as for other Skill subjects.

**28. Will this curriculum's marks be included for class X project?**

As of now the curriculum is being introduced in class VIII and class IX. Information regarding other classes will be shared by CBSE later.

## THEME 5: TEACHER TRAINING

**29. Who will be teaching this curriculum – computer teacher/ subject teacher/ external resource person?**

This course can be taught by any teacher who has been trained and/ or has an experience and / or has a zeal and interest.

**30. Is there any prerequisite for teaching this subject?**

Any teacher who has been trained and/ or has an experience and/ or has a zeal and interest may teach this subject.

**31. Will training be provided to teachers for this curriculum?**

Yes, CBSE will be providing training to teachers of the schools.

**32. Will a training / facilitator manual be provided for this curriculum?**

Yes, training and facilitator manual will be provided to schools option for this curriculum.

**33. Will schools need to organise orientation sessions for students and parents for this course?**

Yes, it is advised that Schools shall organise orientation sessions to emphasise and clarify the need and importance of introducing this course.

**34. Will study material/lab manual etc. be provided for learners?**

CBSE will be sharing more details with the schools that will opt for this curriculum.

**35. Where can we find reference material for this curriculum?**

Reference material will be provided by CBSE in the training and facilitator manual