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D.A.V. CENTRE FOR ACADEMIC EXCELLENCE
DAV COLLEGE MANAGING COMMITTEE
Chitra Gupta Road, Paharganj, New Delhi-55

Ref. No. DAVCAE/113

Date: 24.06.2026

Subject: Implementation of Computational Thinking (CT) Across the Curriculum in Alignment with CBSE Guidelines

Dear Principal,

As you are aware, CBSE has emphasized the integration of Computational Thinking (CT) across the school curriculum to equip students with essential 21st-century skills such as problem-solving, logical reasoning, pattern recognition, decomposition, abstraction, and algorithmic thinking.

To facilitate the effective implementation of CT in schools, CBSE has provided Teachers' Resource Material on Computational Thinking. All schools are requested to ensure that the resource material is made available to teachers and that they are adequately oriented towards its effective utilization in classroom teaching-learning practices.

The following guidelines based on CBSE recommendations may be implemented in all DAV schools:

1. Integration Across Subjects

- Computational Thinking should be integrated within the existing curriculum and regular teaching-learning process across all subjects.
- All subject teachers should incorporate CT-based questions, activities, and problem-solving opportunities within their respective disciplines wherever applicable.
- Mathematics teachers should give special attention to embedding Computational Thinking concepts and practices wherever relevant under different chapters and topics.

2. Use of CBSE Resource Material

- Teachers are encouraged to use the CBSE Teachers' Resource Material while planning lessons, classroom activities, projects, assignments, and assessments.
- Schools may organize orientation sessions, discussions, or collaborative planning meetings to familiarize teachers with the resource material and its classroom applications.



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3. No Separate Periods Required

- Computational Thinking is not to be treated as a separate subject.
- No dedicated CT period should be allotted in the school timetable.
- No additional instructional periods or special timetable arrangements are required for its implementation.
- CT should be naturally embedded within subject teaching through regular classroom instruction.

4. Interdisciplinary Approach

- Schools should encourage interdisciplinary learning experiences that promote problem-solving, logical reasoning, pattern recognition, decomposition, abstraction, and algorithmic thinking across different subjects.
- Teachers may design contextual and real-life learning tasks that allow students to apply Computational Thinking skills in varied academic settings.

5. Assessment of Computational Thinking

- Assessment of CT competencies should be integrated into existing assessment practices.
- Schools may assess Computational Thinking through subject-specific questions, classroom activities, projects, investigations, practical tasks, and real-life problem-solving exercises.
- No separate examination or assessment structure is required for CT.

6. Revision of DAV ICT Textbooks

In order to support the implementation of CBSE's vision for Computational Thinking, the ICT curriculum and textbooks of DAV Schools are currently under revision.

From the academic session **2027–28**, revised ICT textbooks for **Classes III, IV, and V** will be introduced. These books will include:

- A dedicated chapter on Computational Thinking;
- CT-based activities and exercises integrated across other ICT chapters;

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- Age-appropriate learning experiences aligned with CBSE-prescribed CT competencies and learning outcomes;
- Opportunities for students to develop problem-solving, logical reasoning, pattern recognition, decomposition, abstraction, and algorithmic thinking skills through engaging activities and real-life applications.

The revised ICT textbooks will ensure systematic coverage of the Computational Thinking syllabus prescribed by CBSE while maintaining integration within the existing curriculum framework. This will eliminate the need for a separate subject, text book or additional instructional periods for CT.

Similarly, the revision of ICT textbooks for Classes VI, VII, and VIII will be undertaken. The revised editions, incorporating Artificial Intelligence (AI) concepts, activities, and applications in accordance with CBSE curriculum guidelines, will be made available to schools from the academic session 2028–29.

All Principals are requested to disseminate these guidelines among teachers and ensure the gradual and effective integration of Computational Thinking across all subject areas.

With regards

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