



# केन्द्रीय माध्यमिक शिक्षा बोर्ड

(मानव संसाधन विकास मंत्रालय, भारत सरकार के अधीन एक स्वायत्त संगठन)

## CENTRAL BOARD OF SECONDARY EDUCATION

(An Autonomous Organisation under the Ministry of Human Resource Development, Govt. of India)



CBSE/DIR (Acad)/2020

August 21, 2020  
Circular No.Acad-60/2020

The Heads of Schools affiliated to CBSE

### Sub: Teacher Energized Manuals (TERM) of Science and Mathematics

CBSE has dedicated the academic session 2020-21 for 'Competency Based Learning' where the focus of teaching is on the outcomes that students need to acquire. In consonance with this move towards outcome-based education, the Central Board of Secondary Education, in collaboration with Central Square Foundation, New Delhi, has developed the *Teacher Energized Resource Manuals (TERM)*, a series of Manuals for teachers of Science and Mathematics for classes VI to X. These Manuals will help the teachers in aligning their classroom transaction to build competencies.

Each chapter of this resource manual corresponds to the respective chapters in the NCERT textbooks. The chapters have been built-up by concepts, linked to the NCERT Learning Outcomes, and, an attempt has been made to delineate Learning Objectives for each chapter. Every chapter has a set of assessment items and sample strategies for transaction of concepts.

These Manuals are available on CBSE Website at the link <http://cbseacademic.nic.in/term.html> and on the DIKSHA portal at below mentioned links:

Class X	Science: <a href="https://bit.ly/term-10science">https://bit.ly/term-10science</a>	Maths: <a href="https://bit.ly/term-10math">https://bit.ly/term-10math</a>
Class IX	Science: <a href="https://bit.ly/term-9science">https://bit.ly/term-9science</a>	Maths: <a href="https://bit.ly/term-9math">https://bit.ly/term-9math</a>
Class VIII	Science: <a href="https://bit.ly/term-8science">https://bit.ly/term-8science</a>	Maths: <a href="https://bit.ly/term-8math">https://bit.ly/term-8math</a>
Class VII	Science: <a href="https://bit.ly/term-7science">https://bit.ly/term-7science</a>	Maths: <a href="https://bit.ly/term-7math">https://bit.ly/term-7math</a>
Class VI	Science: <a href="https://bit.ly/term-6science">https://bit.ly/term-6science</a>	Maths: <a href="https://bit.ly/term-6math">https://bit.ly/term-6math</a>

It is expected that you and your teachers of Science and Mathematics shall go through these Manuals. These Manuals will support the teachers to develop pedagogical plans for implementing *Competency Based Learning* to equip our students with the requisite skills and competencies pertaining to the subjects.

With Best Wishes!

(Dr. Joseph Emmanuel)  
Director (Academics)



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





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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, SJS Marg, Delhi-110016.
2. The Commissioner, Navodaya Vidyalaya Samiti, B-15, Sector-62, Institutional Area, Noida 201309.
3. The Additional Chief Secretary(School Education), Government of Sikkim, Gangtok, Sikkim – 737101
4. The Principal Secretary(School Education), Government of Arunachal Pradesh, Itanagar
5. The Principal Secretary (School Education), Government of NCT of Delhi, Old Secretariat, Delhi - 54.
6. The Principal Secretary(School Education), Union Territory Secretariat, Sec- 9, Chandigarh
7. The Principal Secretary (School Education), Govt. of A&N Islands, Port Blair
8. The Principal Secretary (School Education), Govt. of Odisha
9. The Principal Secretary(School Education), Govt. of Chhattisgarh
10. The Principal Secretary(School Education), Govt. of Tripura
11. The Principal Secretary(School Education), Govt. of Haryana
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15. The Director of School Education, Govt. of Arunachal Pradesh, Itanagar –791 111
16. The Director of Education, Govt. of A&N Islands, Port Blair - 744101
17. The Director, Central Tibetan School Administration, ESSESS Plaza,CommunityCentre,Sector3,Rohini
18. The Additional Director General of Army Education,A–Wing,SenaBhawan, DHQ, PO, New Delhi - 110001
19. The Secretary AWES, Integrated Headquarters of MoD (Army), FDRC Building No. 202, Shankar Vihar (Near APS), Delhi Cantt-110010
20. 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.
21. All Regional Director/Heads/ In-Charges, CBSE-COEs with request to disseminate the information
22. The Head Public Relations , CBSE
23. EO to Chairperson, CBSE
24. SPS to Secretary, CBSE
25. SPS to Director (Information Technology), CBSE
26. SPS to Director (Academics) CBSE.
27. SPS to Controller of Examinations, CBSE
28. SPS to Director(Training & Skill Education), CBSE
29. SPS to Director(Professional Exam), CBSE
30. In charge IT Unit with the request to put this circular on the CBSE Academic website

Director (Academics)



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