



MINISTRY OF EDUCATION  
DEPARTMENT OF CURRICULUM RESEARCH AND DEVELOPMENT

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Directorate



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**Circular**

The Department of Curriculum Research and Development (DCRD) is in the process of reforming the science curriculum for Classes IV to XII. The development of science textbooks and manuals for Classes IV to VIII are completed and implemented from 2013 academic session. **From 2016 academic session, the three new Science Textbooks (Physics, Chemistry and Biology) each for Class IX and XI will be introduced.** These textbooks have been developed as per the Science Curriculum Framework for Classes PP – XII (2012), and hence has the following salient features.

- The books are designated to conceptual strands of Life processes, Materials and their properties, and Physical processes.
- Although the scientific concepts as such remain unchanged, topics selected to deliver them are different. Topics are more extensive with greater depth, but are developmentally appropriate to this cohort of learners.
- Unlike in the existing textbook, learning activities are designed as connector to the concepts described rather than as reinforcement.
- The mode of assessment has been modified to ensure that the three domains of science learning objectives are achieved. Much emphasis is accorded on the use of competency based test so as to contribute towards 21<sup>st</sup> Century Education.
- The practical works for class IX are integrated in the form of activities and a separate practical works must be carried out for class XI as stated in the framework.

As such, all Dzongkhags/ Thomdeys must ensure to make necessary arrangements to procure the new Science Textbook for Class IX and XI, and replace the existing textbooks with effect from the 2016 academic session. This circular is also available at [www.curriculum.bt](http://www.curriculum.bt) of the Department of Curriculum Research and Development.

  
(Norbu Wangchuk)  
Officiating Director

**Copy to:**

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