

## Introduction

In the traditional classroom teaching there is hardly any scope for the children to interact with the teacher, teaching –learning materials and the teaching-learning environment. Therefore, teaching becomes very monotonous and students have to mostly rely on rote learning. Most often classroom teaching is dominated by the lecture method of teacher. Except some essential aids like chalk, duster, blackboard, Teaching-Learning materials are hardly used in the classroom. When used it may not be context-specific. One of the major aims of NCERT is designing, providing for, and enabling appropriate teaching-learning systems that could realise the identified goals. Learning has shifted from response strengthening to knowledge acquisition to construction of knowledge. In this context, the duty of the teacher is to provide appropriate environment where the child will construct his knowledge by interacting with his physical and social environment.



## What is LTM?

Teaching and learning is a process that includes many variables. These variables interact as learners work toward their goals and incorporate new knowledge, behaviours, and skills that add to their range of learning experiences. TLM is an acronym used for Teaching Learning Materials. The TLM is a spectrum of educational materials that teacher uses in the classroom to support specific learning objectives, to help students improve or reinforce special skills and sometimes to make learning fun. In short, we can say Teaching Learning Materials are must for constructive knowledge.

## Traditional LTM's

Here are a few examples of Teaching Learning Materials – maps, charts, diagrams, books, overhead projectors, TV and videos, slide projectors, blackboards/chalkboards/flip charts, chalk/felt pens/markers.

## Why do we need LTM.

Learning materials are important because they can significantly increase student achievement by supporting student learning. For example, a worksheet may provide a student with important opportunities to practice a new skill gained in class.

This process aids in the learning process by allowing the student to explore the knowledge independently as well as providing repetition. Learning materials, regardless of what kind, all have some function in student learning.

Every learning material you develop will be an asset to you when you next teach a similar unit. An investment of time or money in good teaching materials is an investment in good teaching.

**The National Curriculum Framework (NCF) states that** “The pluralistic and diverse nature of Indian society definitely makes a strong case for preparing a variety of not only textbooks but also other materials, so as to promote children’s creativity, participation and interest, thereby enhancing their learning. No one textbook can cater to the diverse needs of different groups of students. Both the use of supplementary TLM and small group work can be effective mechanisms to engage students from different classes and ability levels.



### **Importance of TLMs**

Besides teacher qualifications and school facilities, another important determinant of quality of education is the teaching and learning materials.

It is essential for quality materials to be made available to the teachers and students in adequate quantities to support the teaching and learning processes.

**\*Enhanced Understanding\*:** LTMs provide visual, auditory, or tactile representations of concepts, making it easier for students to grasp complex ideas. Visual aids, for example, can make abstract concepts more concrete and understandable.

**\*Engagement:** Well-designed LTMs capture students' attention and maintain their interest, resulting in a more engaging and interactive learning experience.

**\*Variety in Learning Styles:** LTMs cater to diverse learning styles, accommodating students who learn best through visual, auditory, or kinesthetic means. This inclusivity ensures that a wider range of students can benefit from the material.

**\*Effective Communication:** LTMs facilitate effective communication of ideas, especially in situations where a language barrier may exist. Visual aids and demonstrations can convey meaning more directly.

**\*Promoting Retention:** The use of LTMs can enhance memory retention by associating information with sensory experiences, making it easier for students to recall what they've learned.

**\*Application and Practice:** LTMs often enable students to apply what they've learned, encouraging practical skills development and problem-solving abilities.

**\*Support for Diverse Learners:** LTMs can be adapted to meet the needs of learners with disabilities or special educational requirements, promoting inclusivity and accessibility.

**\*Enhanced Teacher Effectiveness:** Teachers can use LTMs to enhance their teaching effectiveness, helping them explain complex ideas and manage their classroom more efficiently.

**\*Real-World Connection:** LTMs often bridge the gap between theoretical knowledge and its real-world application, helping students understand the relevance of what they are learning.

**\*Cultural and Multilingual Adaptation:** LTMs can be adapted to different cultural and language contexts, making education more relevant and accessible to students from various backgrounds.

**\*Motivation:** They can serve as motivation for learning. Exciting and visually appealing LTMs can create a positive learning environment and inspire students to explore new topics.

**\*Time Efficiency:** LTMs can save time by making learning more efficient. They provide concise, organized information that is easier to understand, potentially reducing the need for extensive lectures or explanations.

**\*Feedback and Assessment:** LTMs can be used for formative assessment and providing feedback to students, allowing educators to gauge comprehension and adapt their teaching accordingly.



### **Benefits of TLMs**

TLMs should be simple and adaptable to local situations/conditions. Some of the advantages of Teaching and Learning Materials:

- Make lessons interesting
- Make learning easy
- Help learning (i.e. what has been learnt) to remain in the minds of the students for a longer time
- Help teachers to deliver their lessons successfully and easily
- Enables teachers to express intended concepts of learning effectively
- Can be found locally and therefore, are cheap
- Are usually easy to carry (portable)
- Enable everyone in a classroom situation to participate effectively
- Helps students to relate what is being taught to real life situations





### **Characteristics of Good TLM**

Given below are a few attributes of good Teaching Learning Material:

- The TLMs should be appealing to the kids. Size, shading (multicolour or splendid or engaging shading blend), development (like moving toys) and in a few cases the smell or/and taste or sound are a portion of the properties of the materials that allure students.
- Familiarity with TLMs will assist with presenting new ideas. The kids can likewise control these materials easily for significant learning of new ideas.
- The novelty of the material additionally draws in the kids. Surprising materials or novel use of natural materials are the appealing highlights of good TLMs.
- The material ought to have utilitarian worth. It is the appropriate utilization that makes the material positive or negative.
- Materials of numerous utilities like dice, sticks, marbles, 3D shapes and blaze cards can have numerous utilizations in practically all branches of knowledge of primary school educational plans and are subsequently more popular as TLMs in the schools.
- The simplicity of taking care of the materials which incorporate toughness, lightweight, and well-being (innocuous for use by kids) is a significant trademark for which such materials are liked in the educating learning measure.

### **Exhibition of LTM's**

With the combined efforts of teachers and student-teachers, we have prepared LTM's based on different units of different subjects from class 1 to class 4 which will be exhibited where students were taught how to make LTM. Learners are able to build their own LTM's by hand. They are excited and passionate about this work. They show their excellence through beautiful work that will lead them to a bright future. This LTM will help elementary-level children to understand the subject in a cheap and easy way. Learners are used these LTM's in their internal and external practicum examination and also use in the classroom.

**In this connection on 30th January 2023, an exhibition was held in the institute, where learners showed their excellence and explained what to teach with the help of the LTM's one by one with the presence of Principal of D.I.E.T. , Nporth 24 Parganas and lecturers.**



### **Management of TLM**

Given below are certain methods to manage Teaching Learning Material effectively:-

- Guarantee accessibility of adequate TLMs for the free utilization by students.
- If you are intending to utilize the locally accessible materials, ask a few students to gather those and bring them to class.
- Before the initiation of the period, gather every one of the materials from the school store or from different sources.
- Use divider exercises, floor exercises, and materials arranged inside and outside the study hall like a nursery, jungle gym and so forth as wellsprings of learning
- Create a little gathering of students in your group who might be the forerunners in the assortment, readiness, and upkeep of the TLMs in the study hall. They ought to be given the duty to figure out the necessary TLMs before the beginning of the period and to supplant the materials in their individual putting away places after the period is finished. The gathering might be changed each month.
- For better support, keep a record (stock book) of TLMs in your group. It would work within finding the harmed and lost articles in order to have a convenient substitution of those articles.
- Once a month, the TLM stock ought to be checked and the store tidied up appropriately

