

ITEP Learning Resources / TLM for Science & Arts Education

Common (Applicable to Both Science & Arts)

Category	Examples
Textual Materials	NCERT textbooks, reference books, storybooks, dictionaries
Digital Resources	DIKSHA platform, e-Pathshala, SWAYAM, Khan Academy, YouTube EDU videos
Audio-Visual Aids	Educational videos, podcasts, animations, simulations, documentaries
Graphic Organizers	Charts, mind maps, concept maps, infographics
Interactive Tools	Flashcards, puppets, interactive whiteboards, game-based apps
Low-Cost TLMs	Bottle caps, pebbles, sticks, recycled paper, clay
Assessment Tools	Rubrics, checklists, peer review forms, exit slips
Inclusive Aids	Braille books, sign language videos, audio books, tactile diagrams

TLMs for Science Education (ITEP)

Type	Examples
Laboratory Equipment	Test tubes, beakers, microscopes, thermometers
Science Kits	DIY science experiment kits, robotics kits
Models & Specimens	Human anatomy models, plant models, solar system model
Visual Aids	Life cycle charts, chemical equation posters, diagrams of organs
Simulation Software	PhET simulations, virtual labs
Field Tools	Magnifying glasses, field journals, soil & water test kits
Project Work Tools	Arduino, Raspberry Pi (for integrated STEM projects)
Data Collection Tools	Stopwatches, measuring tape, pH papers, balances

TLMs for Arts / Humanities Education (ITEP)

Type	Examples
Historical Artifacts	Maps, coins, photographs, replica of monuments
Literary Resources	Poems, novels, drama scripts, folklore books
Audio-Visual Media	Documentary films, plays, classical music recordings
Art Supplies	Paints, brushes, clay, chart paper, pastels
Theatre Resources	Masks, costumes, props, puppets
Cultural Resources	Folk songs, dances, oral histories
Language Tools	Flashcards, vocabulary games, grammar puzzles
Geography Tools	Globes, topographic maps, atlases, satellite images
Civic Engagement Aids	Constitution booklets, role-play scripts, mock parliament kits

ICT-Based TLMs

Tool Type	Examples
Learning Apps	BYJU'S, Toppr, Google Arts & Culture, BrainPOP
Smart Classroom Tools	Projectors, digital boards, online quizzes (Kahoot, Quizizz)
Content Creation	Canva (infographics), Prezi, Powtoon (animated videos), MS PowerPoint
AR/VR Tools	Google Expeditions, MERGE Cube, CoSpaces Edu

Additional Resources for ITEP

Type	Description / Use
Resource Room	Space in schools for storing and developing teaching aids
Library Resources	Subject-specific books, journals, magazines
Open Educational Resources (OER)	Freely available curated educational materials online
Field Visit Resources	Visit kits, worksheets, cameras for documentation