

Indian Journal of Modern Research and Reviews

This Journal is a member of the '*Committee on Publication Ethics*'

Online ISSN:2584-184X



Research Article

A Modern Framework for SEL: Empowering Learners for Holistic Growth

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DOI: <https://doi.org/10.5281/zenodo.18415049>

Abstract

This article proposes a contemporary, evidence-informed framework for Social and Emotional Learning (SEL) aligned with NEP 2020, developmental science, and global best practices, while responding to the emerging needs of post-pandemic schooling. Building on core SEL competencies—self-awareness, self-management, social awareness, relationship skills, and responsible decision-making—the framework introduces three cross-cutting enablers: culture and equity, digital well-being and AI literacy, and school–community partnerships, to support holistic, inclusive, and future-ready education. The paper synthesises research evidence on SEL’s impact on academic achievement, student behaviour, and mental well-being, and presents a phased school implementation model—Design, Embed, Measure, and Improve—with practical strategies for curriculum integration, formative assessment, and teacher professional development. A sample “week-at-a-glance” plan and a classroom vignette illustrate authentic SEL integration across subjects, including competency-based mathematics instruction. The article concludes with guidance on sustainability, policy coherence, and cost-effective scaling of SEL initiatives within Indian school systems.

Manuscript Information

- **ISSN No:** 2584-184X
- **Received:** 26-11-2025
- **Accepted:** 20-12-2025
- **Published:** 29-01-2026
- **IJCRM:**4(1); 2026: 217-220
- **©2026, All Rights Reserved**
- **Plagiarism Checked:** Yes
- **Peer Review Process:** Yes

How to Cite this Article

Nikhare J K. A Modern Framework for SEL: Empowering Learners for Holistic Growth. Indian J Mod Res Rev. 2026;4(1):217-220.

Access this Article Online



www.multiarticlesjournal.com

KEYWORDS: Social and Emotional Learning, NEP 2020, holistic education, competency-based assessment, teacher professional development, equity, digital well-being, AI literacy, school improvement

1. INTRODUCTION

Schools worldwide face widening learning gaps, rising stress, and the demand for transversal competencies. Social and Emotional Learning (SEL) has emerged as a core strategy to advance academic achievement, well-being, and citizenship. Meta-analyses show that high-quality SEL yields gains in standardised achievement, improved behaviour, and long-term life outcomes (Durlak et al., 2011; Taylor et al., 2017). Indian policy also foregrounds holistic development—National Education Policy (NEP) 2020 emphasises character development, 21st-century skills, and socio-emotional competencies across curricular and co-curricular domains (MoE, 2020). This article offers a modern framework that aligns global evidence with local priorities and practical classroom realities.

2. Conceptual Foundations and Evidence Base

Contemporary frameworks for Social and Emotional Learning (SEL) converge around five core competency domains—commonly referred to as the CASEL 5: self-awareness, self-management, social awareness, relationship skills, and responsible decision-making (CASEL, 2023). A robust body of empirical research demonstrates that high-quality SEL implementation yields multidimensional benefits across academic, behavioural, and psychosocial domains.

Meta-analytic evidence indicates that students participating in well-designed SEL programs show meaningful gains in academic achievement, with average effect sizes of approximately +0.27 standard deviations (Durlak et al., 2011). In addition to academic improvements, SEL interventions are associated with significant reductions in conduct problems, emotional distress, and risk behaviours, with positive effects sustained from several months to multiple years following program completion (Taylor et al., 2017). At the school level, SEL contributes to improved school climate, characterised by stronger student belonging, healthier peer relationships, and more supportive learning environments (Jones & Kahn, 2017). Critically, research underscores that implementation quality is a key determinant of impact. Programs adhering to the SAFE framework—Sequenced, Active, Focused, and Explicit—demonstrate substantially stronger outcomes than fragmented or ad hoc approaches (Durlak et al., 2011). Furthermore, contextual responsiveness, including alignment with students' developmental stages, linguistic backgrounds, and cultural contexts, along with coherent whole-school integration, significantly amplifies the effectiveness and sustainability of SEL initiatives (Jones, Brush, et al., 2021; OECD, 2015).

3. A Modern Framework for SEL

3.1 Core Competencies (What to Learn)

Self-awareness: accurate self-perception, strengths, growth mindset, metacognition.

Self-management: goal-setting, attention control, perseverance, stress management.

Social awareness: empathy, perspective-taking, intercultural sensitivity, ethics.

Relationship skills: communication, collaboration, conflict resolution, leadership.

Responsible decision-making: problem-solving, safety, digital citizenship, and impact analysis.

3.2 Cross-Cutting Enablers (What Makes It Work)

Culture & Equity: culturally responsive pedagogy; language-inclusive practices; bias-aware discipline; student voice and choice.

Digital Well-being & AI Literacy: healthy device habits; online empathy; algorithmic awareness; productive use of AI for feedback and reflection.

Community Partnerships: family engagement; service learning; links with local health, arts, and industry partners.

3.3 Developmental Progressions (How It Grows)

Competencies progress from concrete (e.g., naming feelings) to abstract (e.g., ethical deliberation). Schools should map age-banded progressions (primary, upper primary, secondary) that specify observable indicators and exemplars (Jones, Brush, et al., 2021; OECD, 2015).

4. Implementation: The DEMI Model (Design → Embed → Measure → Improve)

Phase 1: Design

Needs Assessment: triangulate student surveys, teacher focus groups, and behaviour/attendance data.

Scope & Sequence: Articulate quarterly competency targets aligned to the school calendar and festivals/civic days.

Resource Selection: choose evidence-based practices; curate bilingual materials where relevant.

Phase 2: Embed

Curriculum Infusion: integrate SEL into subjects (see Section 5), assemblies, clubs, sports, arts, and service learning.

Routines & Rituals: circles, mindful minutes, exit tickets, peer feedback norms.

Positive Discipline: restorative practices; clear expectations; recognition of prosocial behaviours.

Family & Community: monthly SEL newsletters, workshops, and co-created projects.

Phase 3: Measure

Multiple Measures: student self-reports, teacher ratings, direct observations, performance tasks/portfolios, and climate indicators.

Fairness & Accessibility: language-appropriate tools; attention to bias; universal design.

Data Use: rapid cycles of review in PLCs to inform instruction and support.

Phase 4: Improve

Professional Learning: micro-modules; peer observation; coaching; reflective journals.

Iterative Refinement: Plan-Do-Study-Act cycles; update scope/sequence each term.

Sustainability: leadership routines, onboarding for new staff, and policy alignment.

5. Integrating SEL Across the Curriculum Mathematics (Upper Primary/Secondary)

Self-management: “productive struggle” protocols; goal-setting for problem sets.

Social awareness & relationships: structured math talk; roles in group problem-solving.

Decision-making: data ethics; fairness in statistics (sampling bias, representation).

Example Task: Students analyse local data (e.g., rainfall, traffic, or school canteen sales) and present findings with a reflection on uncertainty, bias, and the impact of decisions on different groups.

Science

Empathy & ethics: debates on environmental trade-offs; stakeholder mapping.

Collaboration: lab norms for safety, turn-taking, and peer feedback.

Languages/Social Science

Perspective-taking: literature circles, oral histories, and civic issues role-play.

Conflict resolution: restorative dialogue scripts drawn from texts or events.

Arts & Sports

Emotion vocabulary: using art and music to identify and transform emotions.

Team skills: strategy huddles; post-game reflections and “growth moments.”

6. Digital Well-being and AI Literacy

Modern SEL must address the blended online-/offline lives of students. **Suggested practices:**

Attention hygiene: device-off transitions; notification management; mindful pauses.

Online empathy & safety: recognising tone; consent; bystander interventions.

AI-augmented learning: using generative AI for formative feedback, metacognitive prompts, and scenario rehearsals—paired with guidance on limitations, bias, and academic integrity (OECD, 2023).

7. Assessment for SEL

Formative techniques: exit slips (“What helped you persist today?”), emotion check-ins, peer feedback rubrics, and reflective journals.

Performance tasks: group projects with rubrics targeting collaboration, planning, conflict resolution, and impact analysis.

Validated measures: select age-appropriate, culturally adapted tools; ensure reliability/validity and monitor for differential item functioning (Jones, Brush, et al., 2021; OECD, 2015).

Portfolios: curate artefacts (audio, video, text) evidencing growth across the year.

8. Teacher Professional Learning (TPL)

SEL for adults first: stress management, collegial trust, and psychological safety. Classroom strategies: modelling emotion language, co-regulation techniques, and explicit instruction of SEL “moves” during lessons.

Coaching & PLCs: peer observations with look-fors (e.g., student voice, warm demander stance), and case discussions using anonymised student data.

Certification Pathways: micro-credentials recognising mastery of SEL integration and assessment.

9. Equity & Inclusion

Equitable SEL attends to language diversity, disability, gender, caste/class dynamics, and local cultural knowledge.

Practices include: Asset-based narratives (strengths before gaps). Universal Design for Learning to provide multiple means of engagement and expression. Student agency via choice boards, leadership roles, and co-assessment. Community grounding through local languages, arts, and service learning.

10. Leadership, Policy, and Sustainability

Policy alignment: braid SEL with NEP 2020 competencies, school safety and mental health policies, and career guidance.

Scheduling: protect time for SEL infusion (10–15 minutes daily routines; weekly advisory).

Resourcing: prioritize low-cost, high-leverage routines and teacher-created materials; leverage community volunteers.

Monitoring: include SEL indicators in School Development Plans; report to School Management Committees; celebrate growth publicly.

11. Sample “Week-at-a-Glance” Infusion Plan (Secondary)

Day	Routine (10 min)	Subject Infusion (example)	Reflection
Mon	Mindful minute + goal-setting	Math: collaborative problem-solving roles	Exit slip: “Where did we persist?”
Tue	Emotion check-in (mood meter)	Science: stakeholder debate on local environmental issue	Two stars & a wish (peer feedback)
Wed	Relationship skill mini-lesson	Language: dialogue journal exchange	“I used empathy when...”
Thu	Digital well-being tip	Social Science: evaluating sources for bias	“What will I do differently online?”
Fri	Celebration circle	Arts/Sports: showcase & teamwork reflection	“Growth moment of the week”

12. Classroom Vignette (Mathematics)

A Grade 7 class explores the fairness of a school election using sample size simulations. Students rotate through roles—facilitator, sceptic, summarizer—to solve tasks. The teacher models sentence starters (“I noticed...,” “I’m not yet convinced because...”). Groups compare two sampling strategies and reflect on how bias affects perceived fairness. The lesson meets math standards (data & probability) and SEL targets (perspective-taking, respectful disagreement, evidence-based decisions). Student reflections reveal improved confidence and better listening across groups.

13. Limitations and Future Directions

Measurement remains challenging; self-reports are sensitive to social desirability and language nuances. Schools should triangulate measures and monitor equity effects to ensure

benefits are broadly shared. More research is needed on SEL integrated with AI-enabled tutoring, community-based learning, and cross-cultural adaptation in multilingual settings.

14. CONCLUSION

A modern SEL framework must be rigorous yet adaptable, connecting competencies to culture, digital realities, and community life. By using the DEMI cycle and focusing on equity, teacher well-being, and continuous assessment, schools can empower learners for holistic growth—academically, socially, and ethically.

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