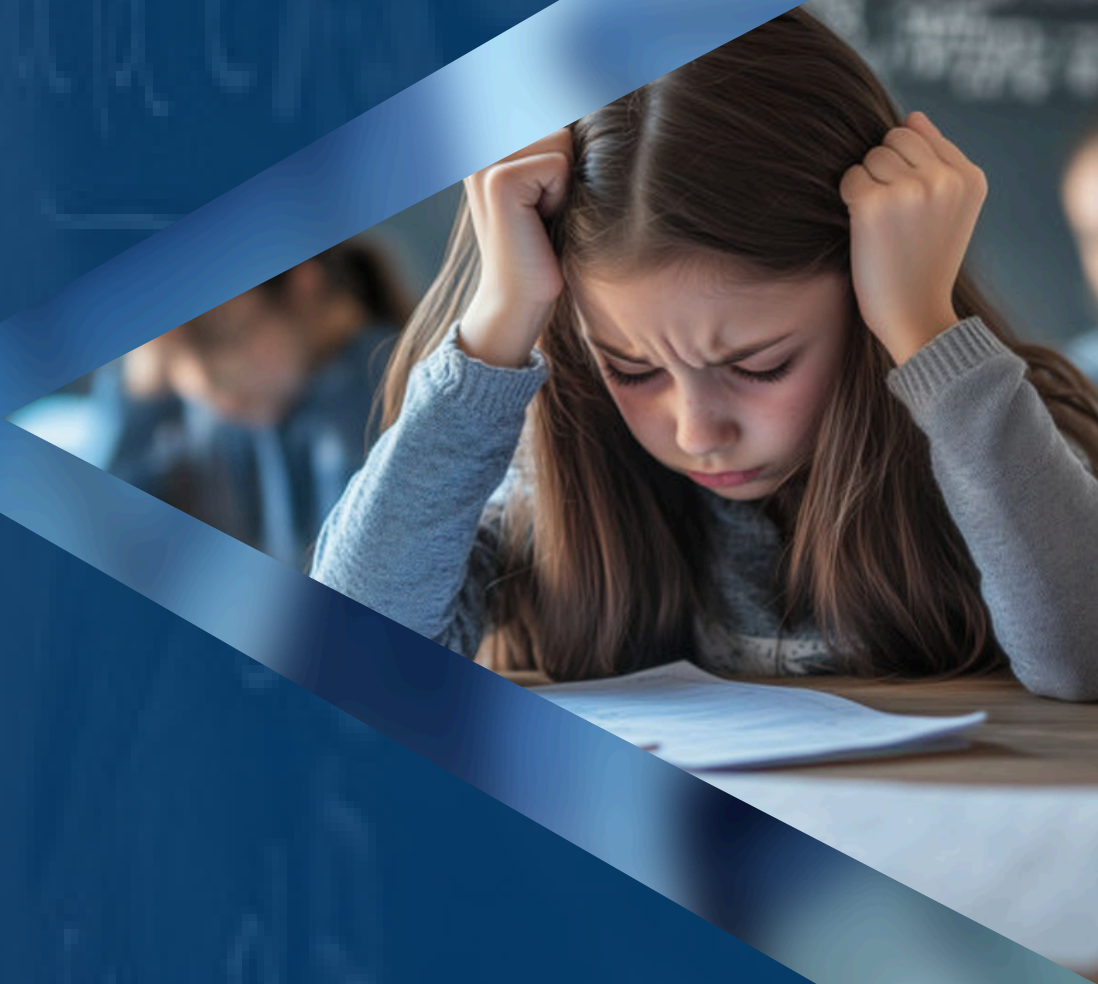




Elevating Education to
Excellence for Impact

Summer Learning Loss and Addressing it Systematically

*Nurturing Academic Continuity, Equity, and
Flourishing Through Strategic School-Led
Interventions*



April 2026

PUBLICATION DETAILS

Report Title: Summer Learning Loss and Addressing it Systematically

Publication Date: April 2026

Version: 1.0

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Please cite this publication as: 3E4I, Zista (2025), Summer Learning Loss and Addressing it Systematically, Mumbai, India.

TABLE OF CONTENTS

- 04 Executive Summary
- 05 Summary of the Research: Key Findings
- 07 The Imperative for Change: Why schools should address it
- 09 Implementation Roadmap: A Phased Approach
- 11 Articulating the Value Proposition
- 12 References and Further Readings

EXECUTIVE SUMMARY



Upon returning to school after a break, teachers often notice that students struggle to recall previously learned concepts. This leads to a tendency to assign blame to the educators from the prior academic year, questioning their effectiveness in teaching. Consequently, teachers in higher grades may point fingers at those in lower grades, perpetuating a cycle of blame that distracts from addressing the root of the issue. People often view extended school holidays as a well-deserved break in a child's academic journey. Well-meaning adults even consider it to be a reprieve for the child from the demands of school – perhaps even an occasion to reconnect with family or nature or new adventures. All of this feels acceptable because of a singular underlying assumption that academic progress can be paused and restarted at will.

Nevertheless, beneath this perception lies a quieter reality for many students, that learning does not simply pause; it recedes. Research consistently shows that students can lose up to one to three months of academic progress during prolonged breaks (with mathematics particularly vulnerable due to its reliance on continuous practice), a phenomenon widely known as 'summer learning loss' or the 'summer slide'.

This loss is not distributed evenly. While some children return to school from such holidays having read widely, explored new ideas, and even advanced their skills, others come back having fallen behind. What appears to be a universal holiday becomes, in effect, a period where educational inequalities widen silently but significantly. Over the years, these seasonal setbacks accumulate, shaping long-term academic trajectories and deepening existing gaps.

While no one is suggesting abolishing the summer break, this raises a critical question for educators, school leaders, and parents alike: Is learning something that should stop when a student moves out of the school gate, or is it a continuous process that we are collectively responsible for sustaining?

Addressing summer learning loss is not simply about preventing students from forgetting. It is about protecting hard-earned progress, preserving student confidence, and ensuring that every child, regardless of their background, returns ready to move forward, not catch up. With intentional planning, strong school-home partnerships, and engaging learning opportunities, summer can be reimagined, not as a period of regression, but as a powerful season of curiosity, growth, and possibility.

Students who remain engaged in learning activities during breaks are more likely to sustain progress" by John Hattie (2008).



SUMMARY OF THE RESEARCH

Key Findings

Understanding Summer Learning Loss

Summer learning loss, commonly referred to as the summer slide, denotes the measurable decline in students' academic skills during extended breaks from formal education, particularly summer vacations. This phenomenon has been widely documented and is recognised as a significant contributor to disparities in academic achievement.

Early work by Harris Cooper and colleagues established that students typically lose one to two months of academic learning during the summer, with the most significant decline being in mathematics (**Cooper, 2003**). Since mathematical proficiency relies on consistent practice, inactivity or interruptions often result in diminished fluency and reduced confidence in problem-solving. Consequently, teachers typically spend the initial weeks of the new term revisiting previously taught concepts, limiting time for new instruction and affecting overall teaching efficiency.

Longitudinal studies have further expanded this understanding. The Baltimore Beginning School Study showed that while students from varied socioeconomic backgrounds progress at similar rates during the school year, achievement gaps expand during summer breaks (**Alexander, Entwisle, & Olson, 2007**). Subsequent studies indicate that a significant portion of these disparities emerges outside formal schooling periods (**Von Hippel & Hamrock, 2019**), resulting in increasingly varied learning levels within classrooms and adding complexity to teaching, pacing, and assessment. Students during early ages and those who need special attention show this gap post-summer breaks, as they miss the attention and support given by formal schooling.

In practice, teachers often encounter a “restart effect” at the start of the academic year, with considerable time devoted to diagnosing learning gaps, reteaching foundational concepts, and supporting students with differing levels of regression. This constrains curriculum progression and increases teacher workload through the need for differentiated instruction and repeated assessments, ultimately affecting instructional effectiveness.

Addressing this challenge requires a shift towards proactive and intentional pedagogical practices. Strategies such as structured retrieval exercises, including low-stakes quizzes and spiral reviews, can effectively reactivate prior knowledge. Integrating cumulative learning within lesson design ensures continuous reinforcement, while providing purposeful yet low-pressure holiday tasks such as reading and applied problem-solving supports ongoing engagement. Additionally, peer collaboration and small-group instruction at the start of term can help address diverse learning needs without impeding overall progress.


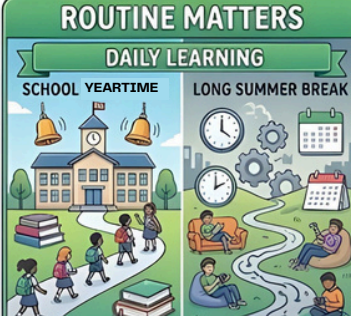
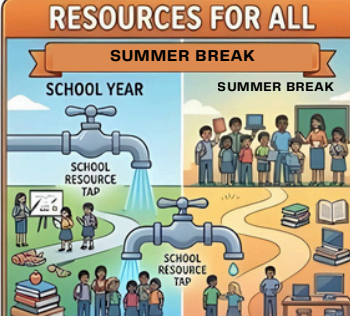
For school leaders, this calls for proactive preparedness. Embedding continuity and reinforcement within instructional practices can reduce learning disruption and support more equitable and effective educational outcomes.

Consider this: if a student loses two months of learning every summer from Class 1 to Class 10, the cumulative loss approaches two full academic years. The very children who most need every hour of instruction are receiving the least of it.

The Mechanisms Behind this Summer Learning Loss

The adjoining image summarises the summer learning and reflects a combination of cognitive, behavioural, and environmental factors that influence how learning is maintained or lost during extended breaks.


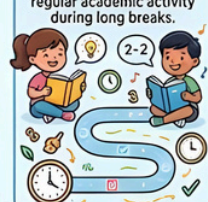








LEARNING DECAY IN SUMMER

BRAIN SCIENCE	ROUTINE MATTERS	RESOURCES FOR ALL
USE IT OR LOSE IT  Reading Writing Math Brain pathways need daily practice. Skills not used begin to fade. Reading, writing, and maths fluency decline. The Forgetting Curve: Newly learned knowledge fades without repetition. Reading, writing, and maths fluency decline. Extended breaks interrupt recall cycles. PRACTICE MAKES NEURAL PATHWAYS STRONGER	DAILY LEARNING SCHOOL YEARTIME LONG SUMMER BREAK  DAILY LEARNING School gives structure. Daily attention to learning. NO STRUCTURE, NO LEARNING Breaks can stop growth. Momentum takes long to rebuild. STAY ENGAGED, STAY SMART	SUMMER BREAK SCHOOL YEAR SUMMER BREAK  SOME HAVE, SOME DON'T School provides access to tools. Summer limits access. Create a bridge to resources. EQUAL RESOURCES ARE FAIR

Key Principles for Addressing Summer Learning Loss

The adjoining image highlights several guiding principles that schools can adopt to mitigate learning loss. The image also summarises the research on effective summer learning interventions.

• KEY PRINCIPLES FOR SCHOOLS: • SUCCESSFUL SUMMER LEARNING INITIATIVES

1. CONSISTENCY OF LEARNING  Students engage in light but regular academic activity during long breaks.  REGULAR & LIGHT ACTIVITY	2. BALANCE BETWEEN STRUCTURE AND FLEXIBILITY  Learning experiences remain engaging and exploratory rather than rigid.  ENGAGING & EXPLORATORY	3. FAMILY ENGAGEMENT  Parents and caregivers play a crucial role in sustaining learning habits.  SUPPORTIVE HOME LEARNING	4. ACCESS TO LEARNING RESOURCES  Students have access to books, digital learning tools, and enrichment activities.  RICH RESOURCES FOR ALL	5. EQUITY IN OPPORTUNITY  Schools ensure programs are accessible to students across socioeconomic backgrounds.  INCLUSIVE ACCESS
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BASED ON RESEARCH FOR EFFECTIVE SUMMER LEARNING

THE IMPERATIVE FOR CHANGE:

Why schools should address it

Young students face increasing demands that require not only academic knowledge but also critical thinking, creativity, and adaptability. However, recurring learning loss during extended breaks disrupts continuity, making it a systemic educational concern rather than a marginal issue. Addressing this challenge is therefore both an academic and institutional priority.

- **Sustaining Academic Momentum:** Without continuity, significant instructional time is spent revisiting prior learning, slowing curriculum progression and limiting opportunities for new knowledge acquisition.
- **Reducing Achievement Gaps:** Unaddressed summer breaks contribute to widening disparities between advantaged and disadvantaged students. Targeted interventions are essential to ensure equitable access to continued learning.
- **Strengthening Student Confidence:** Students who retain knowledge over the break return with greater confidence and readiness, enabling smoother transitions into new learning.
- **Enhancing School Performance Indicators:** Sustained learning continuity supports improved academic outcomes across grade levels. Evidence shows that structured summer programmes positively influence student performance ([Quinn & Polikoff, 2017](#)).
- **Supporting Holistic Development:** Effective summer programmes integrate creativity and experiential learning, contributing to the overall development of the child beyond academics.
- **Supporting Teacher Effectiveness:** Reducing learning regression minimises the need for reteaching, preserves instructional time and enables teachers to focus on progression rather than remediation.

Policy Context: NEP 2020

India's National Education Policy 2020 emphasises foundational literacy and numeracy as non-negotiable priorities. Allowing summer learning loss to erode these foundations each year is directly at odds with the spirit and intent of this policy. Addressing learning loss is not optional; it is a policy commitment.

IMPLEMENTATION ROADMAP

Addressing summer learning loss effectively requires a system-level commitment. The following phased roadmap is designed to assist school leaders who are ready to make sustained, systemic change.

Phase 1:

Awareness and Planning

- Conduct baseline assessments to identify at-risk students.
- Share the previous year's data and patterns of regression with teachers
- Train teachers about summer learning research.
- Develop school-specific summer learning policies.



Phase 2:

Programme Design

- Design structured summer learning modules, including project-based and play-based learning.
- Provide reading kits, structured weekly activities, digital learning access, etc.
- Collaborate with community organisations.

IMPLEMENTATION ROADMAP

Phase 3:

Parent Engagement

- Conduct workshops for parents to communicate the impact of learning loss.
- Provide parents with practical, joyful home-learning strategies
- Provide structured activity calendars, kits, and free resources for students.



Phase 4:

Programme Design

- Run optional summer enrichment camps.
- Offer hybrid learning opportunities (online and offline) like digital learning platforms.
- Provide mentorship or tutoring for students requiring additional support.
- Encourage students to maintain a learning journal for their observations and activities.



Phase 5:

Monitoring and Evaluation

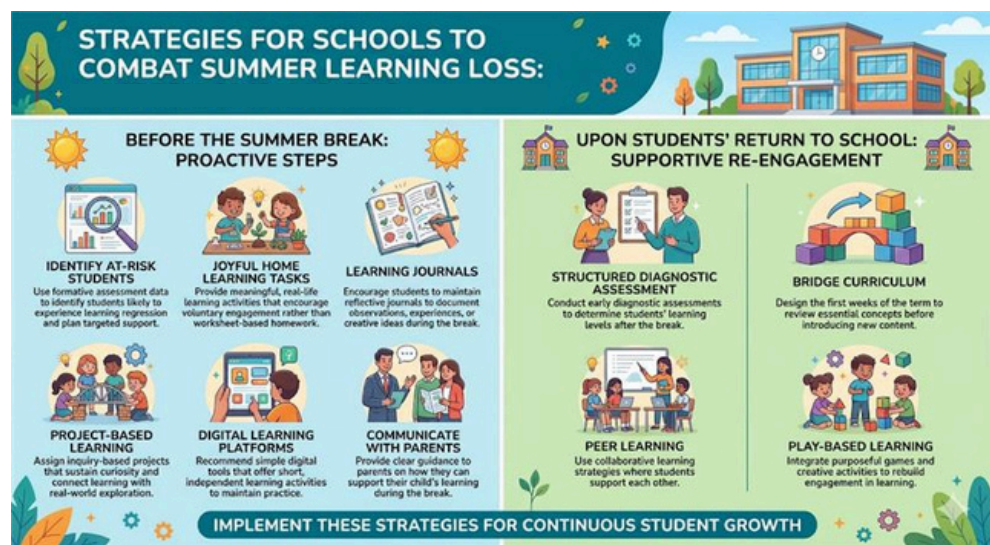
- Assess students at the beginning of the academic year.
- Monitor attendance and engagement in any school-based summer provision.
- Analyse progress compared with previous cohorts.
- Continuously refine programme strategies.

IMPLEMENTATION ROADMAP

Reflect: Upon students' return, conduct a brief structured diagnostic assessment to identify learning gaps and plan targeted support to bridge the curricular gap by using strategies like play-based, project-based, and peer learning. Schools should also review the effectiveness of their strategies and integrate summer learning programs.

Strategies for schools to implement before and after the Summer Break

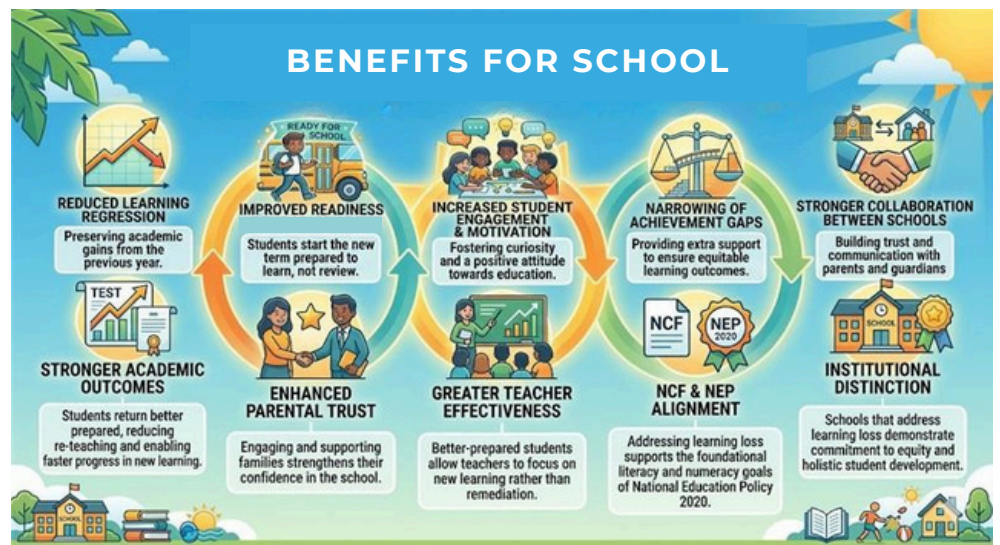
The following image shows a few important implementation strategies for schools to save their students from learning loss.



ARTICULATING THE VALUE PROPOSITION

Benefits for school

For school leaders, addressing summer learning loss is not just an educational decision but also a reflection of institutional values. The adjoining image gives the value proposition for a school that is actively addressing the summer learning loss.



Benefits for Parents

- **Increased confidence:** By encouraging daily reading, parents gain confidence knowing that their child maintains strong literacy skills. This practice also makes their return to school smoother and less stressful.
- **Reduced intensive learning support:** Observing children independently apply academic concepts in everyday contexts, reduces parents' reliance on intensive academic support at later stages.
- **Proactive learning:** Establishing a learning-conducive environment fosters curiosity and engagement, leading parents to experience more self-directed and proactive learning behaviours in their children.
- **Improved emotional bond:** Engaging in regular, meaningful conversations strengthens the parent-child relationship while simultaneously supporting the child's language development and cognitive growth.
- **More meaningful interaction and engagement:** By ensuring limited passive screen time, parents experience more meaningful interactions and active engagement from their children.
- **Easy transition to school:** Maintaining consistent routines during vacation periods creates a structured home environment, thereby enabling a smoother transition back to formal school schedules.

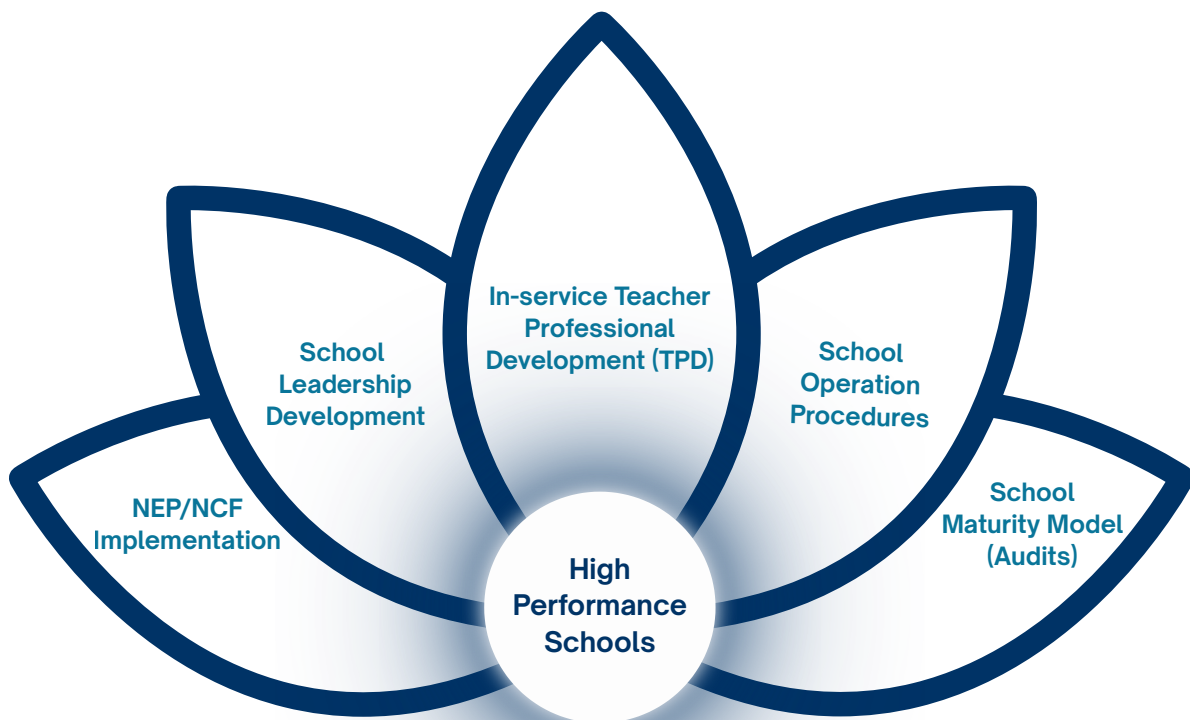
Summer learning loss is a cumulative educational challenge that can affect students' long-term academic progress. However, research shows that targeted strategies and continuous learning support can reduce its impact. Addressing this issue requires coordinated efforts from schools, families, and communities to ensure learning continues beyond the academic year.

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PARTNER WITH US

This report is the beginning of a conversation. We understand that designing and implementing an effective programme to reduce/prevent the summer slide is far more complex than simply reading about it. That is why we invite you to connect with us and discuss your specific context, so we can work together to tailor an approach that best fits your school's unique needs.



LET'S BUILD THE FUTURE OF EDUCATION, TOGETHER.

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