

Highlights Report

SYSTEMIC DRIVERS OF FOUNDATIONAL LEARNING OUTCOMES



Overview of the Report

India has almost achieved universal enrolment of children in primary schools. The focus of the government has now shifted to retaining children by providing quality education in schools. Despite several education reform initiatives being undertaken by many states, learning assessments have highlighted that foundational literacy and numeracy levels- children's ability to read with comprehension, write and do basic mathematical operations, are low across India.

This document is a synthesis of current evidence on key factors driving low foundational learning outcomes in India

This report is focused on factors impacting FLN outcomes in government schools, for details on drivers of low outcomes in private schools please read our <u>State of the Sector Report on Private Schools</u> in India.

Who should read this report?

Policymakers in state and central institutions (e.g. Education Ministers, Secretaries, Directors, issioners, District Education Officers, District Collectors) who are at the forefront of

ing and implementing effective reform strategies in school education

ers, School Leaders and other stakeholders in the system who are at the frontline ering education reforms

tioners, Civil Society Organizations, Consultants and Researchers supporting ments with education reform

should you read this report?

d a strong understanding of evidence on the current functioning of education is, key bottlenecks and challenges faced in improving the quality of foundational ig outcomes

n from a curation of case studies on promising interventions tried in Indian states her countries

idance on designing or implementing effective programmes to improve tional learning outcomes











Executive Summary

Systemic Drivers of Foundational Learning Outcomes



India's Foundational Learning crisis

India's schooling system is the largest in the world - 25 crore children are enrolled in 15 lakh schools. We have almost achieved universal enrollment of children at the primary level, with half of our school going children in primary grades. But, our schools do not equip them with Foundational Literacy and Numeracy (FLN) skills. This is critically important because **children who fall behind early, rarely catch-up.**

~21% —

Of grade 3 students can read a grade 2 text or do subtraction

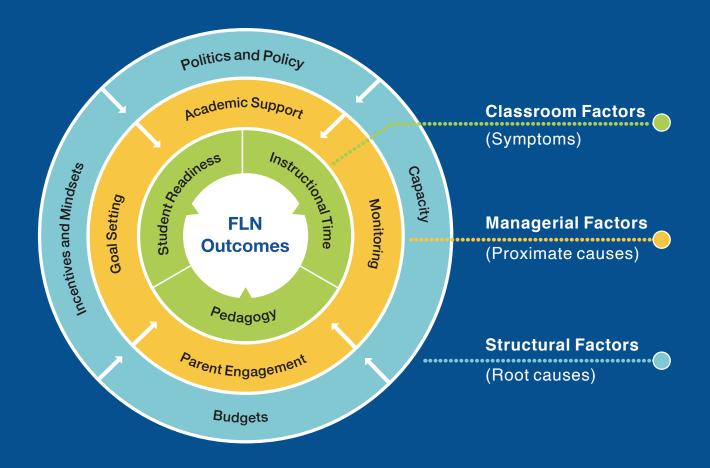
(ASER 2018, data includes only government schools)

The National Education Policy 2020 recognises the importance of this problem, asking for FLN to be the "highest priority of the education system", and "...this Policy will become relevant only if this...is first achieved". However, addressing this issue effectively requires us to understand it first. This report, focused on the public school system¹, condenses primary research from interviews and observations of ~700 stakeholders across 5 major Indian states, as well as findings from a comprehensive literature review. Our hope is that, as NIPUN Bharat takes off, we can help build a shared understanding of the shortfalls in delivering FLN outcomes, along with alignment on a set of actionable recommendations.



Why are foundational learning levels low?

The most summarised version is that **our managerial/administrative systems prioritise inputs and processes over actual learning.** We document the 'symptoms' of this in classrooms that are not set up for learning. We also investigate the root causes - the relative (in)visibility of a child's learning when compared to a school building with a teacher, the policy choices that we have made as a result, and the incentives and mindsets that drive, or rather, don't drive, our systems. While each of these 'levels' of the problem are important and examined in detail, we recommend intervening in the 'managerial' system because that is where evidence suggests the greatest possibility of change lies.





The symptoms of the problem are visible in our classrooms

When children enter class 1, they are already far behind where the curriculum expects them to be- over 57% of students are not ready for school in grade 1 (Kaul et al (2017). In schools, they do not receive sufficient exposure to literacy and numeracy as 45% of instructional time is lost every year due to absenteeism, non-teaching duties and multigrade classrooms. And when they do receive instruction, teaching and learning methods used in classrooms are rote and repetitive, which leave most children disengaged and unable to master basic literacy and numeracy skills.



70% of teaching time in classrooms is spent on traditional teaching and rote pedagogy²



In managing our school systems, we do not make FLN a shared goal nor do we monitor & support in ways that enable us to deliver it

Even where learning outcomes are defined, we found that stakeholders in the system do not hold a shared understanding of what children are expected to learn by grade 3. There is a higher focus in the system on 'checking the boxes' on inputs and processes than whether children are learning.



None of the stakeholders interviewed were aligned on critical goals that students need to achieve by grade 3

Our monitoring systems are geared to focus on measuring and tracking inputs and processes (Bhatty 2016). There is a lack of focus on how many kids are learning, instead the focus of teachers is on ensuring that the syllabus is completed on time (NUEPA 2016) and registers are maintained, because this is what gets tracked by the officials who visit their schools. On the rare instances where student learning outcomes data is monitored in early grades- the reliability of this data collected is questionable with evidence of significant inflation in test scores reported by schools (Singh 2020, Johnson et al 2020).



80% of indicators in school monitoring tools were related to inputs, infrastructure and compliance with rules

Schools are not adequately supported with resources to help children learn - only 30% of classrooms had teaching-learning materials other than textbooks (Bhatterjea et al 2011). When teacher training is conducted, the percentage of teachers trained is given more attention in the system than what topics or how teachers need to be trained. This along with ineffective training delivery methods explains why only one-third of teachers report that the in-service training they received was beneficial (Sankar et al 2014).



The invisibility of learning influences our policies and politics, resulting in a system with inefficient public expenditure and low capacity to improve FLN

Unlike higher grades where board exam performance is tracked and discussed, in early grades the focus on learning is minimal for parents and thus for political leaders. When education systems were attempting to reopen after Covid-19, governments across India prioritized higher grades so that children can be 'exam ready'; most states never reopened schools for primary grades in the last 16 months. School systems prioritize other tangible issues like school buildings, number of teachers and enrollment of children because these are visible, easy to measure and track (Khemani 2019, Pritchett 2015, Beehary 2021).

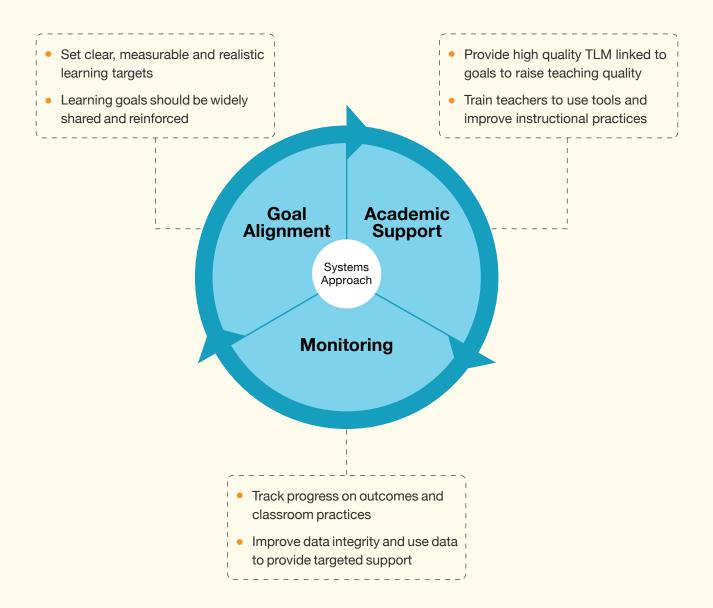
This prioritization of inputs that have shown no impact on outcomes in the past, is also reflected in the choice of budget allocations-79%-95% of state budgets allocations are focused on teacher salaries, infrastructure, mid day meals and student incentives like uniforms, bicycles or scholarships (CBGA and CRY 2016). This leaves minimal fiscal space to improve the quality of learning by investing in providing better teaching-learning material, improving training or monitoring systems.

There are weak incentives for teachers and other stakeholders in the system to improve learning levels because the quality of teaching practices and student performance has no impact on their employment terms (e.g salaries, promotions, deployment and transfers). All of the above structural issues have led to an education system that has been unable to deliver foundational learning at scale.



Solving our Foundational Learning Crisis

On 5th July 2021, India launched a National Foundational Literacy and Numeracy (FLN) Mission with the goal - Every child attains FLN by the end of grade 3, by 2026-27. This is a critical first step taken at a national level. But we cannot achieve this goal conducting business as usual. Successful FLN programs have shown that in the short/medium term, FLN outcomes can be improved by focusing on three key areas which should be tightly coupled together - Goal Alignment, Academic Support and Monitoring.



To sustain improvements in learning outcomes in the longer term, making foundational learning a priority for parents and political leaders by making it more visible is a critical lever to focus on. Implementing NEP's recommendation on low stakes competency based key stage assessments in primary grades will help achieve this. Further, improving the quality of teaching through pre-service education reforms, aligning incentives of actors with learning outcome improvement and improving the quality of expenditure on school education are critical structural issues that will lay the foundation for a school system that can deliver universal foundational literacy and numeracy.



Research Methodology

This document has been created to understand the key drivers of low foundational learning outcomes in India through a combination of primary and secondary research.



Extensive Review of Existing Literature



Semi-Structured Interviews and Focus Group Discussions



Observations of Classrooms, Trainings and Review Meetings

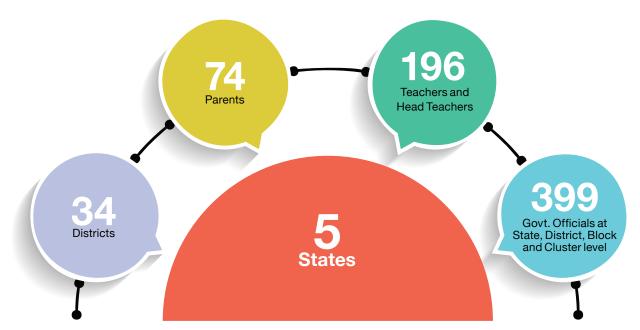


Review of Government Documents and Records



Data Analysis and Quantitative Surveys with Teachers

Primary Diagnostics Sample

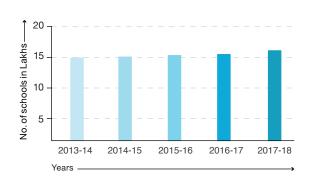


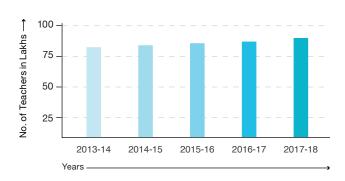
India has succeeded in enrolling most children in primary schools



25 crore children are enrolled in 15 lakh schools, and are taught by 92 lakh teachers

Fig 1.1 Number of schools and teachers in India





Source: CSF 2020



Half of India's school going children are in primary grades

2.5 Cr

2.5 Cr

Primary (49%)

Upper Primary (26%)

Secondary (15%)

Higher Secondary (10%)

Fig 1.2 Enrolment by level of education (2017-18)

Source: CSF 2020

Schooling however, has not translated into learning

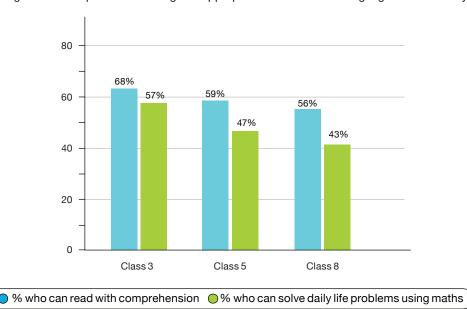
Our primary schools do not equip children with Foundational Literacy and Numeracy (FLN) skills, leaving them ill-prepared for further learning



Most children in India haven't achieved foundational skills

The National Achievement Survey (NAS) 2017 conducted by NCERT highlights poor attainment in early years

Fig 1.3: Student performance on grade appropriate critical skills in Language and Numeracy



Source: NAS 2017

Independent surveys confirm the low levels of foundational learning in India





20.9% of grade 3 students in schools in rural India can read a grade 2 text

20.9% of grade 3 students in schools in rural India can do subtraction

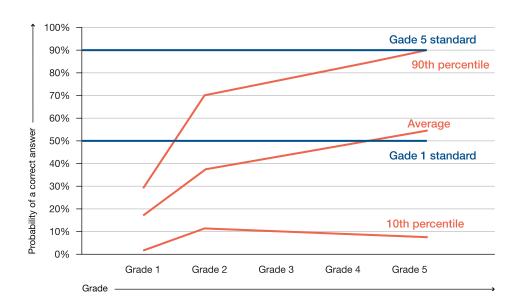
Source: ASER 2018

Children who fall behind in early grades rarely catch-up later



Learning trajectories flatten after grade 2, suggesting that early math and reading skills are strong predictors of later performance

Fig 1.4: Probability of a correct answer on a math test, by grade, relative to curriculum standards - AP, India

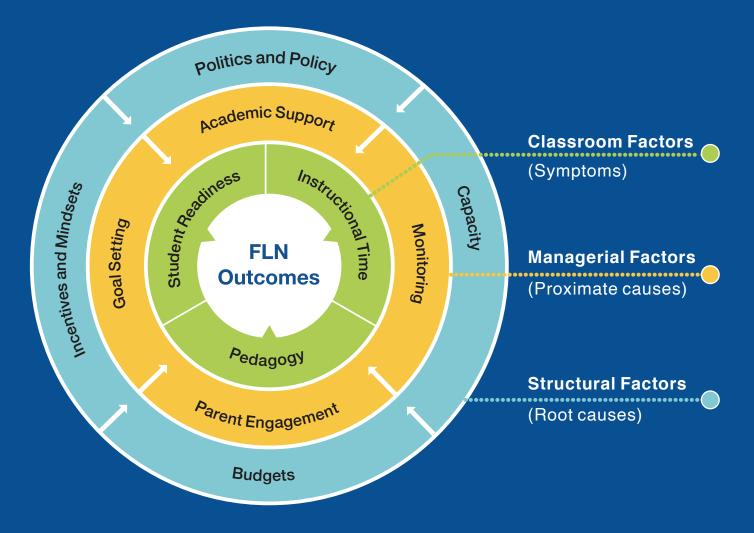


Source: World Bank 2018

- 1 At the end of 5 years of primary schooling, the average student in grade 5 only reached grade 1 standards
- 2 Only the top ten percentage of students were able to keep pace with the curriculum
- The bottom percentile of students learnt very little from each additional year in school after Grade 2

Diagnostic Framework

Deep rooted structural factors result in a managerial system which prioritises inputs and processes, manifesting in classrooms that are not setup for learning



A set of interdependent factors operating at 3 levels- Classroom, Managerial and Structural, as represented by each of the concentric circles above, lead to low foundational literacy and numeracy outcomes



Low school readiness of children, limited instructional time and weak pedagogical practices are symptoms visible in classrooms of deeper issues

STUDENT READINESS



Over 57% of students are not ready for school in grade 11

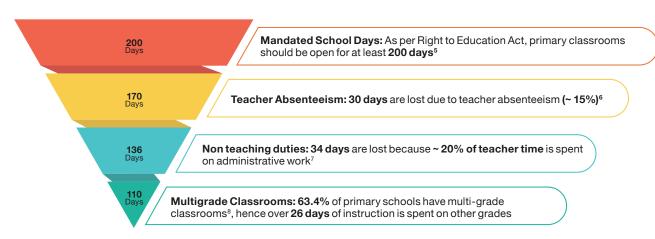
Children enter primary schools without necessary pre-literacy and pre-numeracy skills required to keep up with the pace of the curriculum^{1,2}

- Only 30% of children at age 5 were able to do relative comparison tasks¹ and 15% were able to do reading readiness tasks¹
- Instruction in pre-primary schools is not developmentally appropriate³, ~29% of time is spent on formal teaching of 3 Rs (reading, writing and arithmetic) which experts recommend should only be taught in primary schools⁴

INSTRUCTIONAL TIME



45% (90 days) of instructional time is lost per year due to absenteeism, non-teaching duties and multigrade classrooms



PEDAGOGY



70% of teaching time is spent on traditional teaching & rote pedagogy

- Traditional teaching and rote methods are less effective in teaching children, and **only 30% time is spent on student centric activities**⁹ that are more important in our heterogeneous classes
 - ~63% of primary classrooms are multigrade, yet 70% of time teachers are focusing their teaching only on one grade¹⁰



There is no alignment across different system actors on learning goals



All states have created learning outcome frameworks, but none of the stakeholders interviewed were aligned on critical goals that students need to achieve by grade 3¹



What should a child learn by grade 3?

"Children should learn atleast 50% of grade syllabus"

-Teacher

"Students should know **counting up to 100,** basic addition and subtraction by **grade 3**"

- HeadTeacher

"A child should master atleast 80% of their grade syllabus"

-Cluster official

"At the end of grade 3, a child should know how to read and write their name, parent's name and address"

- District Official



Stakeholders prioritise 'checking the boxes' on inputs and processes to the detriment of outcomes



Focus on inputs and processes

High focus on administrative tasks



54% of BRC's time is spent on administrative activities¹



50% of a CRC's time is spent on administrative activities¹

Syllabus completion is more salient than achievement of competencies

- Despite high learning gaps, teachers focus on ensuring all the material in the syllabus is covered so that students can be 'exam ready' 2
- Syllabus completion is tracked during school monitoring visits by officials which signals to teachers that it's an important goal
- Children who are unable to keep pace with the syllabus are often left behind as the teacher moves on to the next chapter even if all students have not mastered the previous chapter



Higher focus on learning in later grades

- Student performance is regularly measured and tracked system wide by states for secondary and higher secondary grades (i.e grade 10 and 12) through board exams
- The same focus on improving learning outcomes does not exist for early grades. Most states do not invest in measuring and tracking achievement of basic competencies in primary grades
- Increasing focus on quality of learning in early grades is likely to improve student performance in later grades

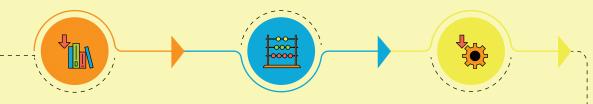


Availability & efficacy of teaching-learning materials (TLM) are low



Only 30% of classrooms had TLMs other than textbooks and where available TLM quality is low¹

A wide variety of high quality teaching and learning material (e.g teacher guides, student workbooks, story books etc) aids in building conceptual understanding of abstract concepts and makes learning more engaging for children.



Limited availability

One third of teachers report unavailability of story books, maths kits, TLMs children can use and teacher guides²

Limited use

Even when TLM was present, teachers only used textbooks 39% of the time

Only 12% of time teachers were using other materials (e.g manipulatives and visuals)²

If the suggestions in the TLM are time or effort intensive, teachers typically don't use them³

Low efficacy

Existing TLM promotes rote learning, has negligible emphasis on parallel processing of literacy skills⁴ and is too fast paced with limited opportunities to reinforce learning⁵



In-service training, coaching & professional development are not aligned to teacher needs







Only one-third of teachers reported that the in service training they received was beneficial¹

- Most in service trainings are designed on an ad hoc basis and states do not have a policy for teacher training²
- There is a higher focus in the system on percentage of teachers trained than what topics or how teachers need to be trained³
- The cascade approach of teacher training dilutes quality because of transmission loss through multiple layers of trainers⁴
- Teachers find little practical application of training because trainers use lecture based techniques and didactic means instead of demonstrations or practical sessions⁵
- 68% of BEOs and 46% of CRCs did not receive any training after being appointed⁶. Middle management cadre at the cluster and block level cannot provide teachers with adequate academic mentoring due to limited bandwidth and capability gaps⁷





Monitoring is focused on inputs, processes and programs; data collected tends to be unreliable and feedback loops are broken



In 4 out of 5 states, monitoring was disproportionately focused on inputs

Existing monitoring tools typically don't track quality of teaching practices and learning levels from spot assessments - 80% of indicators in school monitoring tools were related to inputs, infrastructure and compliance with rules.¹

1

Indicators on quality that were present were poorly designed with no guidelines or criteria for officials to assess classroom observations against these indicators.

2

Indicators on learning were not consistently reported - 50% of BRCs and 48% of CRCs did not include scores from random tests they conducted during visits in the school monitoring format.²

3

During school visits, officials spend most of their time checking registers that teachers are expected to maintain, checking student notebooks and filling up forms³

4



0

Data collected is unreliable and in all 5 states feedback loops were broken at district/block level

Research has found evidence of significant assessment data manipulation by the state machinery⁴.

Reported achievement levels in a state conducted large scale assessment were almost double that of independent retests⁴

Perceived high stakes of assessments create perverse incentives for state actors which coupled with weak state capacity make it challenging to collect reliable data on student performance

62% of CRCs and 49% of Head Teachers report that monitoring has become a data gathering exercise with limited focus on using the data for course correction⁵

Monthly/quarterly review meetings are mainly focused on routine administrative matters or filling data, the data itself is rarely discussed or used for targeted support⁶



"CRC, BRC only ask about MDM, school facilities and any date requests; they never place emphasis on learning parameters of schools."

- HM



"In the earlier years everyone followed the rules for assessments. But over time we have seen the number of D and E grades come down"

- State Official



Parents are not effectively engaged in supporting their child's learning at household or school level



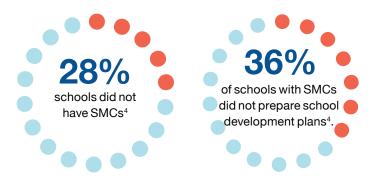
Engaging each parent in their child's learning can play an important role in achieving FLN

Greater parental involvement in children's learning positively affects the child's school performance, including higher academic achievement¹ Parent engagement also promotes better child behavior, morale, attitude and social adjustment²

The school system is already stretched thin and the involvement of parents is more critical to provide necessary extended academic support at home



Existing initiatives like SMCs do not focus on supporting learning and are largely dysfunctional³



- SMCs were constituted for school monitoring. Their responsibilities include preparing school
 development plans (SDPs) and monitoring utilization
- SMCs are usually involved in issues other than quality of learning. For example, SDPs are focused on school infrastructure instead of learning⁵
- PTMs are held infrequently and have low attendance from parents



Low parent self efficacy along with low knowledge and tools limits parent engagement

- Parents do not have clarity in the role they can play to facilitate their child's learning⁶
- Many parents from low socio economic backgrounds believe that they are not capable of supporting their children learn⁶
- Parents are unaware of their child's learning levels⁷ and seem to only associate school quality with parameters such as physical infrastructure, cleanliness, safety and meals⁷



Unlike inputs, learning is invisible to parents and thus to political leaders, so they prioritize other tangible factors



Learning levels are invisible to parents and political leaders and have been persistently low

- Measuring learning reliably and with precision over a period of time is difficult and requires
 high state capacity.
- Learning levels have also been persistently low across states with several unsuccessful attempts to improve them.
- Citizens typically vote on issues (e.g. abolishing schools fees, building roads) that they can see but not on outcomes like schools quality which are less tangible, dependent on multiple factors and over which political leaders may not have direct influence¹



Parents and Governments prioritize tangible factors

- Parents care about quality of learning but it is hard to judge how much their child is learning
 especially in younger grades
- Hence parents associate school quality with parameters such as infrastructure, safety, cleanliness etc²
- This incentivizes political leaders to prioritise what is visible, measurable and easy to sell (i.e. to show improvements in school inputs like, school infrastructure, mid day meals, number of schools and teachers, laptop distribution etc)³.
- A lack of electoral demand for quality primary education leads to FLN rarely being prioritized4
 - Politics in turn shapes the culture of bureaucracies, resulting in higher focus on tangible factors (like inputs) all the way to the front lines of service delivery⁵



Our focus on inputs has resulted in an overabundance of small schools, which makes fiscally sound provision challenging



Input orientation of laws and policies

- RTE mandates minimum input norms on infrastructure, pupil teacher ratios, teacher qualifications, distance of schools from each habitation etc.
- Research indicates that in the past, the focus on providing these inputs had no impact on outcomes1
- Only in 2017 the Act was amended to reference learning outcomes that children can be expected to achieve



Implications

- 85,743 single teacher primary schools² and 63% of schools have multigrade classrooms3
- Weak governance due to high span ratios of frontline bureaucrats (227 schools per BRC and 20 schools per CRC)4
- Reduces fiscal capacity and increases cost per child; cost per year per child is ~2.1 times higher for small schools compared to schools with 100-200 students5
- iv Input focused laws reinforce a pre-existing culture in the system of prioritizing inputs and compliance with rules



~4.3 lakh (43%) schools have an enrollment of less than 50 students⁶

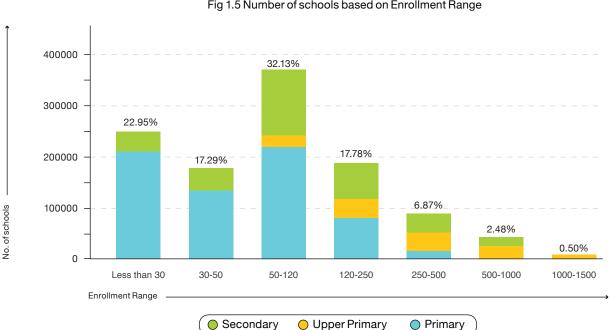


Fig 1.5 Number of schools based on Enrollment Range

Source: UDISE 16-17



Capacity is low across the system, both in terms of capability and numbers

Availability of resources

Low System capacity as a result of which 71% of DEOs and 42% of BEOs hold dual posts¹



In 8 of 21 major states in India-Bihar, Jharkhand, Madhya Pradesh, Uttar Pradesh, Karnataka, Gujarat, Odisha and Maharashtra, there is a net teacher deficit of ~4.47 lakh teachers based on RTE's teacher allocation norms.²



High vacancies also exist in the middle management layer for which fiscal provision is challenging. On average 39% of sanctioned BEO positions were vacant across 3 states.³



Vacancies increase span ratios and lead to officials holding dual posts thereby stressing an already large and under resourced system.

Capacity of existing personnel

Only 7% of candidates pass TET⁴ and only half of primary school teachers can complete simple teaching tasks correctly⁵



Teacher quality in primary schools is weak - four out of ten primary school teachers could not solve a simple grade 4 percentage problem correctly - due to challenges at multiple levels.⁵



The quality of applicants for teaching positions is poor as is evident by the **low pass rate (7%)** of the Central Teacher Eligibility Test.⁵



Pre service education programmes are theoretical with limited focus on classroom aspects and pedagogy.⁶



Quality of academic coaching provided to teachers is weak?. Only 42% and 52.6% of Head Teachers said they were fully satisfied by the support provided by BRCs and CRCs respectively.8



Infrequent and inadequate training provided to block and cluster officials reduces their ability to fulfill their academic monitoring and mentoring functions.⁷

1

2



Public Expenditure on education is not driving improvements in learning outcomes



No correlation between expenditure and student outcomes

Fig 1.6 Relationship between government expenditure per student and learning outcomes



Real Expenditure per student Learning outcomes

Between 2008-09 and 2016-17, the Government per pupil expenditure in real terms nearly tripled (2.7 times) from, Rs. 7,245 to Rs 19,233 (real increase keeping 2011 as the base year)1

However, during the same 9 year period, % children in Class 5 in Government Schools who could read a Class 2 level text declined²

The Government Expenditure for elementary education (Centre plus State combined) increased from 80,313 Crore in 2008-09 to 277,832 Crore in 2016-17 (245% increase in nominal terms)1

There is limited fiscal space to focus on improving quality of learning (e.g TLM, teacher training, monitoring) as between 79%-95% of the state budget allocations are focused on teacher salaries, infrastructure, mid day meals and student incentives3



No incentives exist to focus on improving learning in the system and actors view the problem of learning as being outside of their locus of control



Incentives of stakeholders are not aligned to improving learning outcomes



No incentives exist for teachers and other actors to put in more effort and improve student learning outcomes¹



Salaries and promotions of teachers and other actors are based on their tenure in the system. Student performance has no impact on their employment terms



Deployment and transfer of teachers are dependant on their political influence rather than quality of teaching in classrooms²



Teachers and officials prioritize tasks based on orders from above due to the lack of clearly defined performance metrics in the system³



Externalisation of blame and sense of powerlessness among state actors

- Stakeholders perceive the causes of low learning being outside the classroom⁴
- Strong perception among stakeholders that children cannot learn because they come from poor families who are not able to provide adequate support⁵
- 75% of teachers and headteachers in 3 states felt that student learning levels were low because of socio-economic backgrounds of students, lack of parental support and student abilities⁶
- A strong hierarchical culture exists in the education system where the focus is on responding to directions from the state or district office. This makes teachers, cluster and block officials feel like they have limited agency⁷

Past attempts have shown that a holistic approach is crucial and there are no silver bullets to improving foundational learning outcomes

Siloed interventions have shown no impact

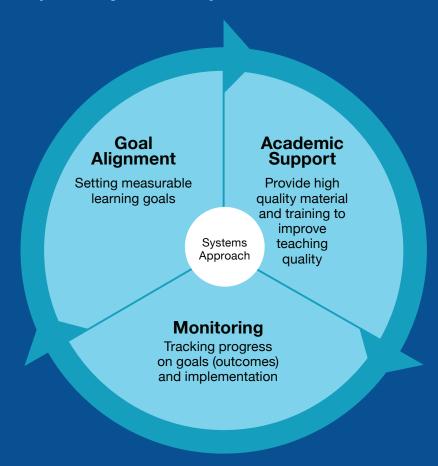
Example 1: Providing TLM without support:

- In rural India, colourful and well designed reading material did not show any impact on learning outcomes when it was used by teachers without additional training and support¹
- Providing textbooks in Kenya increased test scores of high performing students but had no impact on weaker students²

Example 2: Teacher Training programs

 Studies have found no significant positive relationship between teacher training and increase in test scores of students taught by the same teachers³

Successful FLN programs have shown that in the short/medium term, FLN outcomes can be improved by focusing on three key areas⁴:



Focus on 3 key interlinked managerial factors which should be tightly knit together to improve FLN outcomes - Goal Alignment, Academic Support and Monitoring



Goal Alignment

- Set clear, measurable and realistic learning targets
- Align expectations for everyone from teachers, middle management and parents to policymakers to shift focus away from inputs and processes towards achieving learning targets



Academic Support

- Provide structured pedagogy tools teacher guides with lesson plans tightly aligned to learning outcomes, textbooks, workbooks and assessments¹
- Ensure that TLM (e.g textbooks, workbooks) and instructional design caters to multigrade and multi level scenarios²
- Provide teachers with effective training to use tools and improve pedagogical practices³
- Leverage blended approach for trainings to minimize dilution through cascade



Monitoring

- Improve quality of existing monitoring tools to track quality of teaching and student progress against FLN goals
- Conduct training effectiveness assessments to diagnose gaps in design and delivery
- Make reliable data a salient goal and set up processes to improve data integrity⁴
- Use data for regular diagnosis, support and course correction



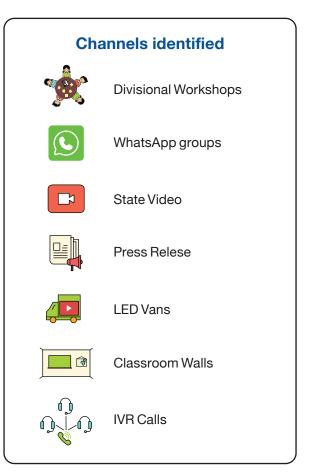
Maximum improvement in outcomes is possible by focusing on management factors in the short to medium term as seen from successful programs in India and globally



Set clear measurable learning goals & communicate them to all stakeholders

Example: Mission Prerna in Uttar Pradesh



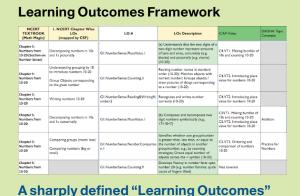


- Set clear, measurable and realistic learning targets
- Learning goals should be widely shared, understood and reinforced at district, middle management, school and community level



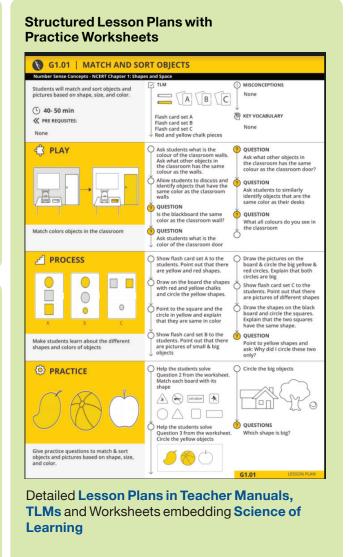
Tools such as structured lesson plans and other learning material linked with training and monitoring can improve pedagogical practices

Example: Structured Pedagogy Toolkit developed by CSF



A sharply defined "Learning Outcomes" framework detailed into "Micro Level Learning Competencies" mapped to national & international standards

for diagnostic, progress tracking, revision and remediation



- Provide teachers with tools in the form of structured guides or lesson plans to raise the quality of teaching
- 2 Ensure tight alignment between learning goals, teacher guides, textbooks, student workbooks and assessments
- Teaching learning material (textbooks, student workbooks etc) and instructional design should cater to multigrade classrooms



Provide teachers training to use tools and improve instructional practices

Examples of Blended Courses through digital training platforms







CM Rise in MP

National Teacher Training platform

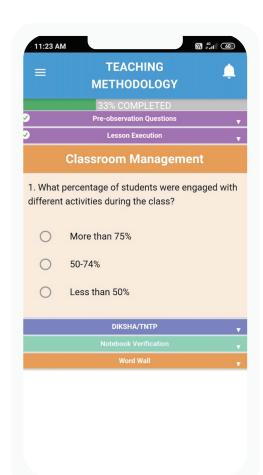
LLF's "Ek Varshiya Prarambhik Bhasha Shikshan Course"

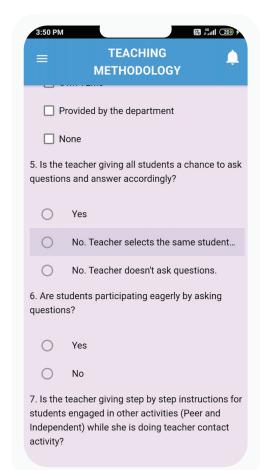
- Build teacher capacity through training programmes on foundational learning
- 2 Use a blended training approach for continuous professional development of teachers and middle management
- 3 Cluster and Block Resource Persons should be provided training on effective strategies for coaching and mentoring teachers



Refine monitoring tools and protocols to focus on tracking practices and outcome; improve data quality to enable informed decision making

Example: Tamil Nadu's TNVN Monitoring App







Foundational learning first, so every child can thrive.

CISCO Responsibility



- Refine existing monitoring tools (apps/forms etc) and protocols to track classroom practices and student learning levels
- Build in data reliability checks to improve integrity and quality of assessment and monitoring data
- 3 Use data collected from monitoring visits to provide targeted support to teachers

To sustain improvement in learning outcomes, focus on making learning visible and building systemic capacity to achieve learning goals

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Make learning visible in primary grades through competency based key stage assessments

- Implement NEP's recommendation on conducting low stakes key stage assessments for grades 3 and 5 (e.g competency based assessments in Mexico, Chile, UK and Australia¹)
- --- Test performance on key competencies that help schools move away from rote memorization
- --• Shift the culture of the system to focus on reliable data collection by setting up processes for audits (including social audits) and leveraging technology
- Share information on school quality and student performance with parents and schools²



Improve quality of personnel management and use existing funds strategically to achieve goals

- Improve teacher capacity through pre-service education reforms that focus on pedagogy and provide extensive exposure to practical training³
 - Consider merging small schools with large schools or splitting grades among school campuses wherever feasible with the support of the community (through an opt in model) to reduce multigrade teaching, reduce span ratios of middle management and improve quality of expenditure
 - Increase incentives for actors to focus on improving foundational learning levels and energize the system through recognition and rewards
- Improve existing indices like SEQI and PGI by increasing weightage for learning outcomes and retaining only those governance indicators that can be reliably measured and have a known impact on outcomes

Examples of NGO-led programs in India & other developing countries have shown positive impact

NGO led service delivery programs in partnership with school systems



Room to Read's literacy program for grades 1 and 2

States: Chhattisgarh, Rajasthan and

Uttarakhand

Scale: 3,020 schools



Care India's Literacy program for grades 1-4

States: Odisha and UP **Scale:** 1,000 schools



Pratham's Teaching at The Right Level remedial program for grades 3-5

States: Haryana, Bihar and

Uttar Pradesh

Scale: 39,494 children

Global System reform FLN Programs with evidence of impact on FLN outcomes

Kenya's Tusome Program

The Government launched a program across all 24,000 primary schools that integrated pedagogy (teaching and learning materials) and governance interventions (teacher professional development, coaching and monitoring) to improve literacy outcomes for children in grades 1-3

Reducing learning poverty through System Reform in Ceara, Brazil

The preform strategy was focused around 5 key pillars of technical support, incentives, political leadership, devolution of autonomy and accountability and regular monitoring of learning

Glossary

ASER	Annual Status of Education Report	
BEO	Block Education Officer	
BRC	Block Resource Coordinator	
CRC	Cluster Resource Coordinator	
DEO	District Education Officer	
FLN	Foundational Literacy and Numeracy	
НМ	Headmaster	
MDM	Mid Day Meal	
NAS	National Achievement Survey	
NCERT	National Council of Educational Research and Training	
NIPUN	National Initiative for Proficiency in Reading with Understanding and Numerac	
NEP	National Education Policy	
PGI	Performance Grading Index	
PTM	Parent Teacher Meeting	
RTE	Right to Education	
TET	Teacher Eligibility Test	
TLM	Teaching Learning Material	
TNVN	Tamil Nadu Vagupparai Nokkin (Translate to: look inside a classroom)	
UDISE	Unified District Information System for Education	
SEQI	School Education Quality Index	
SMC	School Management Committee	
SDP	School Development Plan	
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Download the full report <u>here</u>

