



Foundational Literacy and Numeracy

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Department of Elementary Education

NCERT

Foundational Literacy and Numeracy

विद्यया ऽ मृतमश्नुते



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NCERT

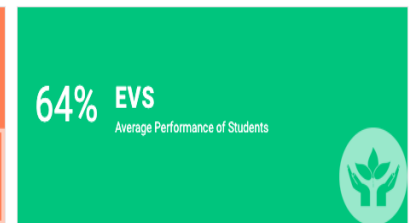
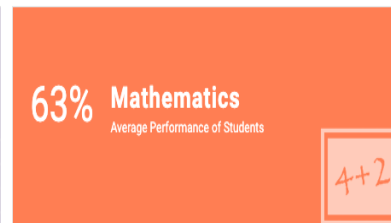
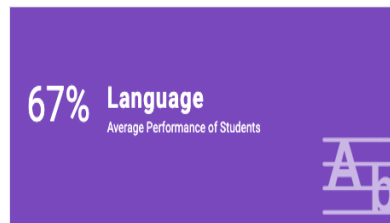
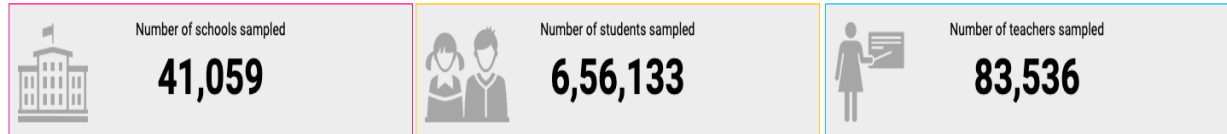
**Recognizing
the primacy
of Early
Education**



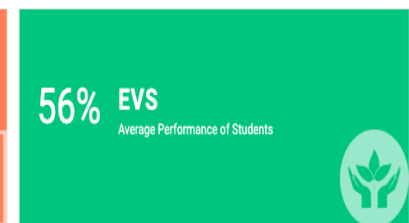
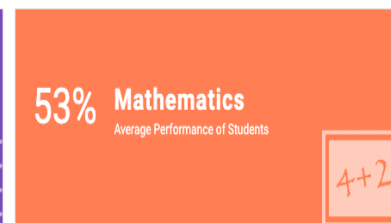
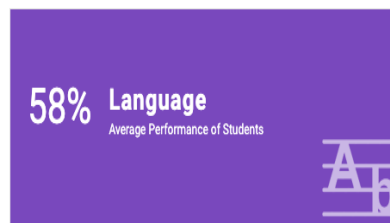
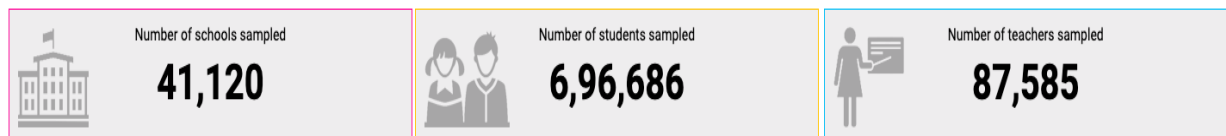
**An urgent
and
necessary
pre-
requisite
to learning**

Need of FLN

Class 3



Class 5



Low learning levels

Increased drop-out rate

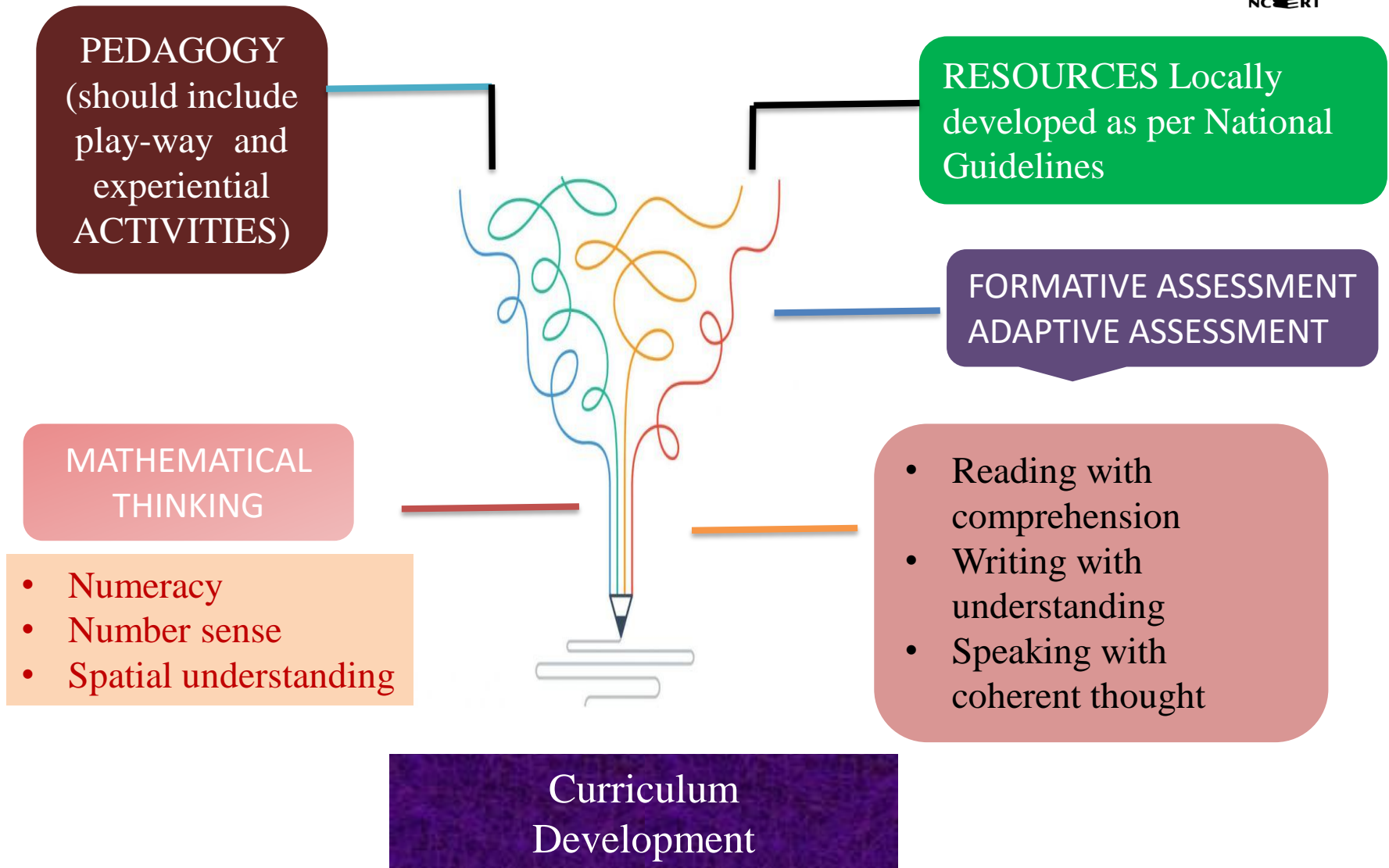
Inappropriate language and mathematical skills

Universal FLN - Objectives



- Making learners competent in doing meaningful reading and writing by the time they enter grade 3.
- Developing the basic understanding and competencies related to numeracy and its related concepts among young learners till grade 2.
- Developing skills among the learners to amalgamate their outside school experiences in their classroom learning to attain foundational literacy and numeracy in a better way.

Curricular Expectations



Foundational Literacy



Reading
For joy



Listening and Speaking
with comprehension



Reading is
comprehension

Writing
reflects child's
experiences

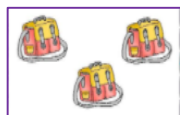
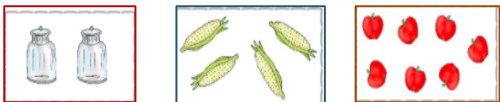


Writing for various purposes

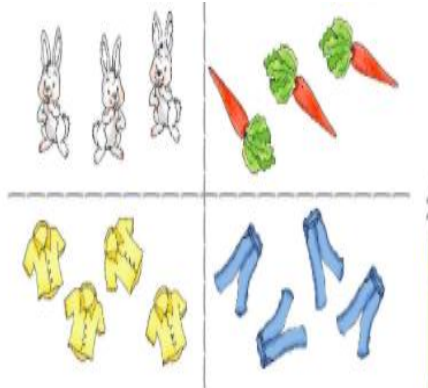


Foundational Numeracy

Competent in Counting



Understanding
about
Numberness



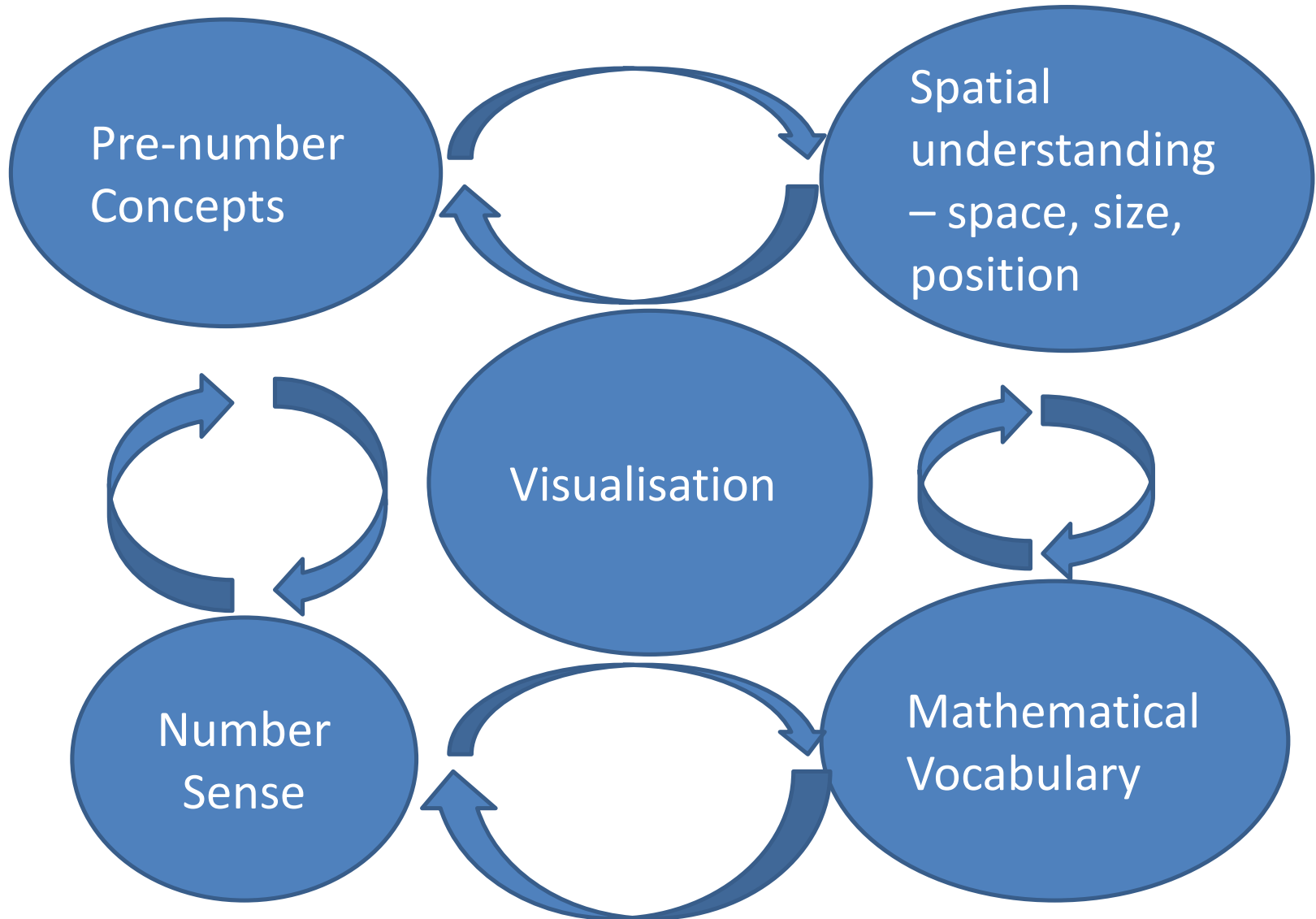
Development of
Mathematical
Thinking

Application
Basic
Operations
on Numbers
for problem
solving

Development of Number sense



Numeracy and Mathematical understanding





ELPS Approach

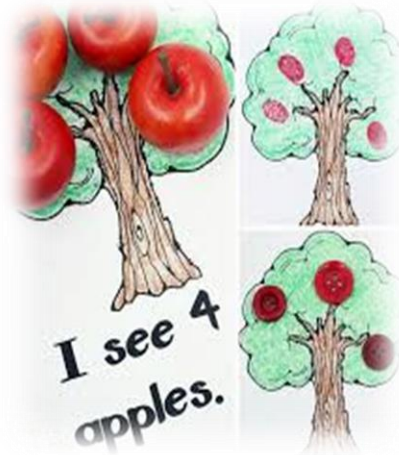
E – **Experience** with physical objects/भौतिक वस्तुओं के साथ अनुभव



L – spoken **Language** that describes the experience/ बोली जाने वाली भाषा जो अनुभव का वर्णन करती है

P – **pictures** that represent the experience/ चित्र जो प्रतिनिधित्व करते हैं अनुभव

one	1	●
two	2	●●
three	3	●●●
four	4	●●●●
five	5	●●●●●
six	6	●●●●●●
seven	7	●●●●●●●
eight	8	●●●●●●●●
nine	9	●●●●●●●●●
ten	10	●●●●●●●●●●



S – written **symbols** that generalize the experience/ लिखित प्रतीक जो अनुभव का सामान्यीकरण करते हैं

Integration of literacy and numeracy

Mathematical Terminology as a part of daily language

Use of language in understanding mathematical ideas

Language for disposition of mathematical thinking

Communication – Language

Precise Communication – Language with mathematical ideas

SPM – School Preparation Module Preparatory Class or ‘BALVATIKA’

Module

- 3 months **play-based learning** for all Grade 1 students. "Balvatika"



Elements of SPM

- Activities and workbooks around
- **Sounds,**
- **words,**
- **Alphabets,**
- **Colors, Shapes and Numbers** involving collaborations with peers and parents.



Material

- To be developed by **NCERT & SCERT**



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NCERT

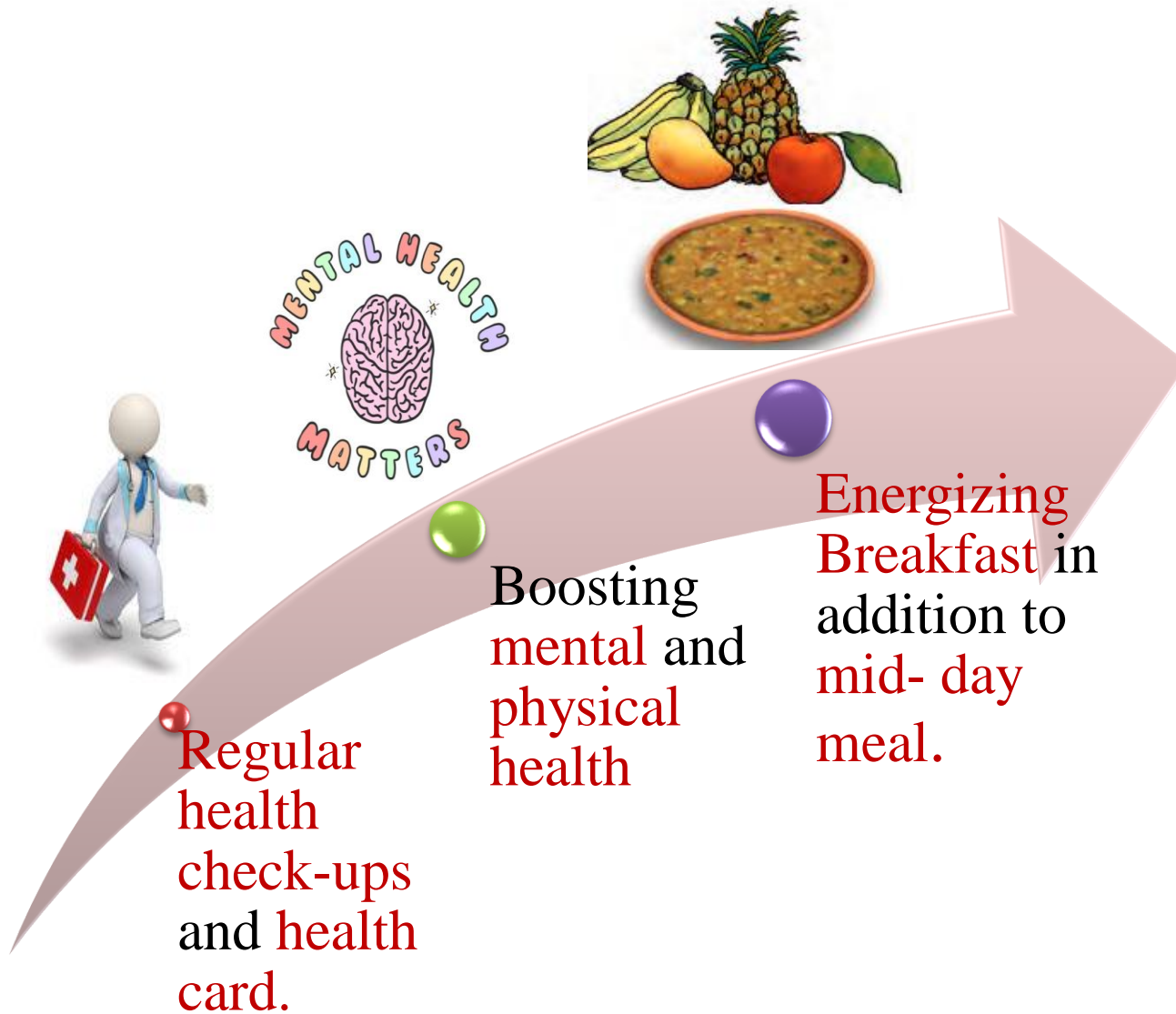
National Council Of Educational Research
And Training

SCERT
s/ SIEs

Where?

- **Stand alone Anganwadis**
- Anganwadis co-located with schools
- **Pre-primary schools**
- Standalone pre-schools

Health and Nutrition



Resources

Setting up of
School and
Public
Libraries in
remote areas



Digital
Libraries
for all



Workbooks
and activity
material



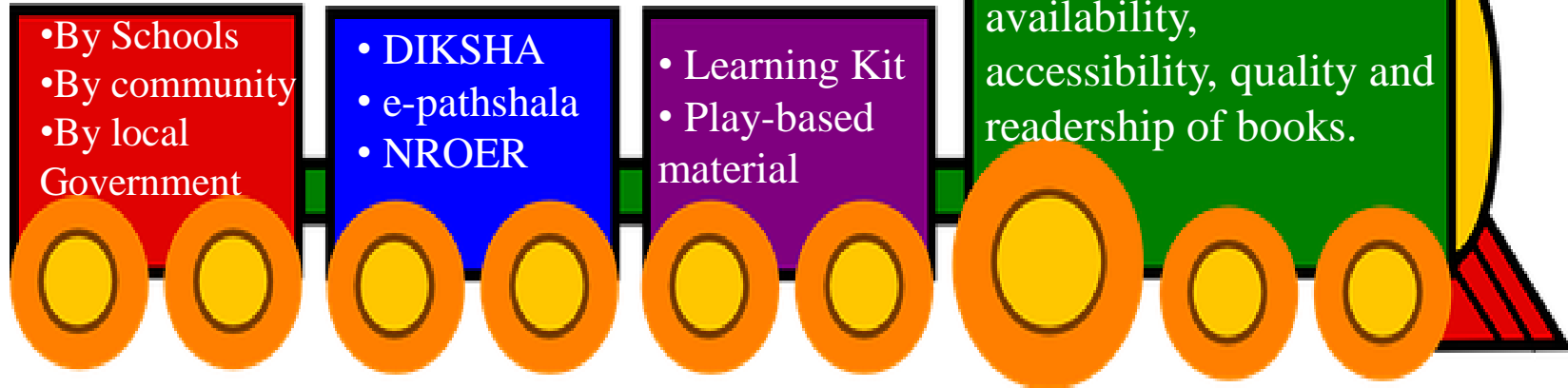
National
Book
Promotion
Policy

To ensure the
availability,
accessibility, quality and
readership of books.

- By Schools
- By community
- By local Government

- DIKSHA
- e-pathshala
- NROER

- Learning Kit
- Play-based material



Peer Tutoring

All viable method will be explored to support teachers in the mission of attaining universal FLN

One-to-one peer tutoring is extremely effective for learning not just for the learner but also for the tutor.

It can be taken as a voluntary and joyful activity for fellow students under the supervision of trained teacher.

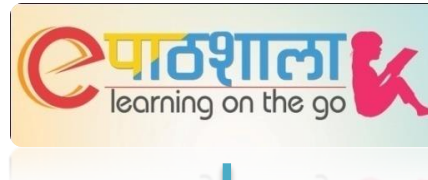
Every literate member of the community could commit to teaching one student how to read, it would change the county's landscape very quickly.



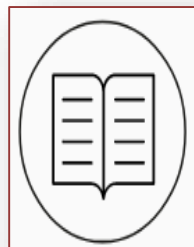
National Repository of Open Resources



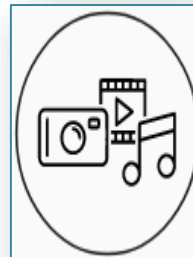
Energised
textbooks with
QR code



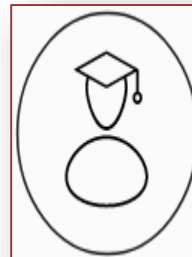
High-quality
Resources



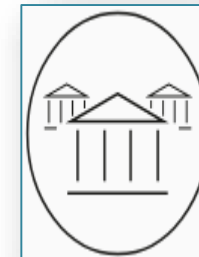
e-
Books



e-
Conte
nts



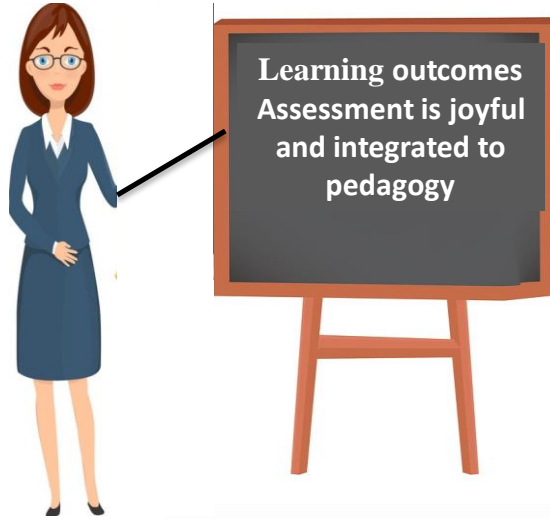
e-
Course
s



e-
Library

Assessment

Purpose of Assessment

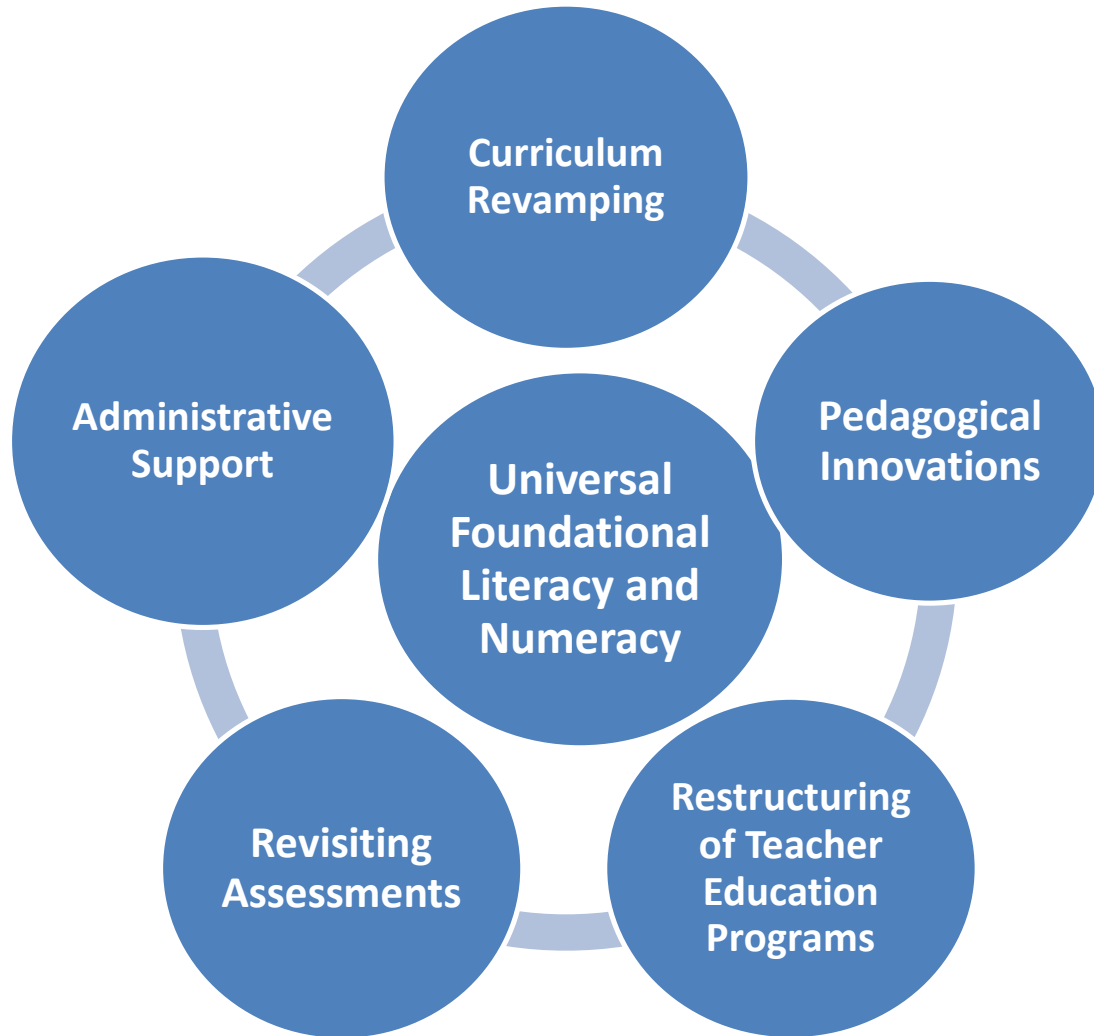


- Assessment for learning
- Assessment in learning
- Assessment as learning
- Assessment of learning

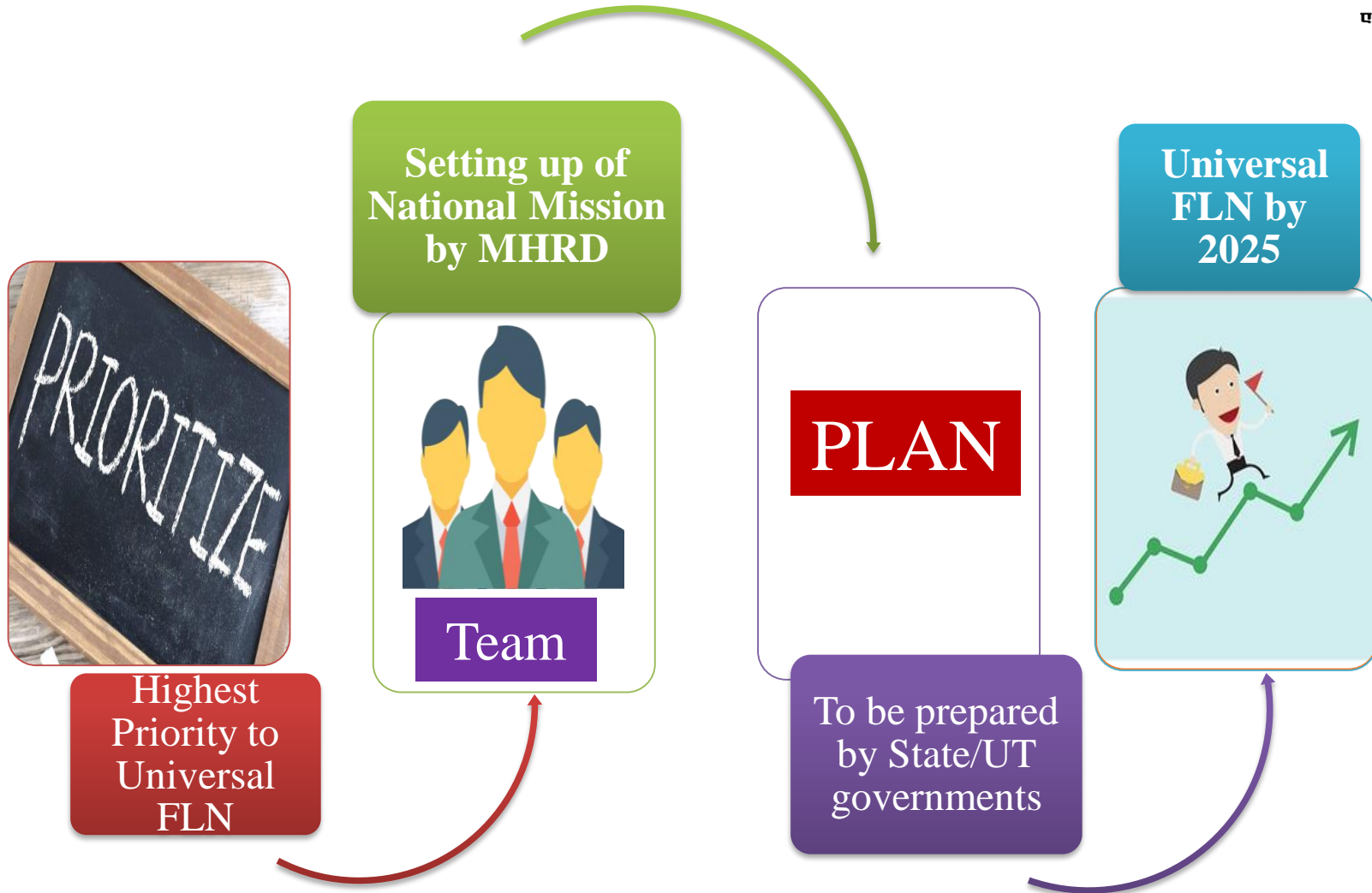
- Adaptive Assessment
- Formative Assessment
- School Based Assessment



Action Points



Implementation of Universal FLN





Thank you

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