Fundamental Literacy and Numeracy
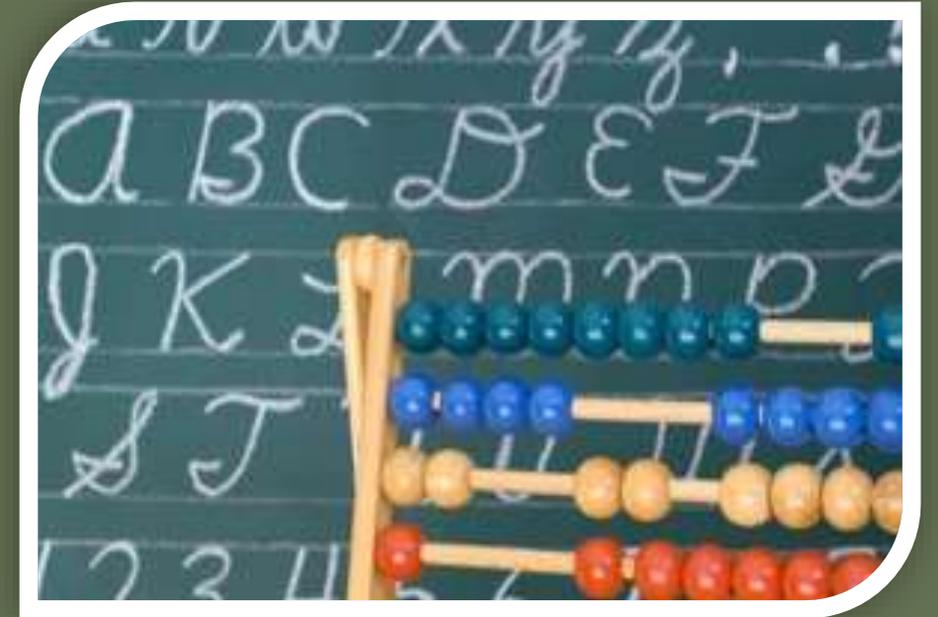
Not Just A Skill But A Life Skill !

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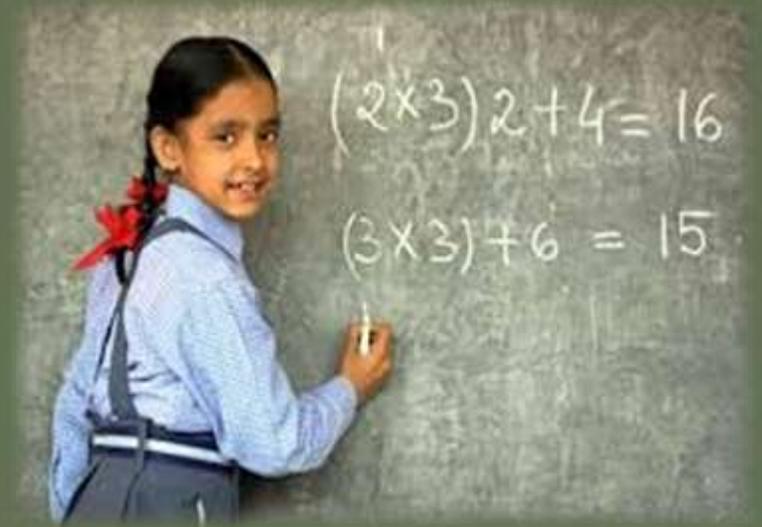Principal GMSSSS, Sec55, Faridabad

What is Fundamental Literacy and Numeracy?

- **Fundamental Literacy** : *Fundamental literacy refers to the skills and strategies involved in reading, speaking, writing and interpreting his thoughts.*

- **Numeracy:** *It is the ability to reason and to apply simple numerical concepts. Basic numeracy skills consist of comprehending fundamental arithmetical operations like addition, subtraction, multiplication, and division.*

Current Scenario

- Various governmental as well as non – governmental surveys, indicate that we are currently in a learning crisis.

- A large proportion of students currently in elementary school – estimated to be over 5 crore in number have not attained foundational literacy and numeracy i.e. the ability to read and comprehend basic text and the ability to carry out basic addition and subtraction with indian numerals.

Why it is essential?

- Literacy is critical to economic development as well as individual and community well-being.

- Effective literacy skills open the doors to more educational and employment opportunities so that people are able to pull themselves out of poverty and chronic underemployment.

- In our increasingly complex and rapidly changing technological world, it is essential that individuals continuously expand their knowledge and learn new skills in order to keep up with the pace of change.

- The empowering potential of literacy can translate into increased political participation and contribute to the quality of public policies and democracy.

Why it is essential?

○ Literate society is informed and engaged

○ Persons with adequate literacy skills maintain better health through their ability to understand and interpret health information

○ Literate community is a dynamic community; a community that exchanges ideas, engages in dialogue, is more innovative and productive.

○ The sharing of ideas, perspectives and concerns also leads to greater levels of mutual understanding and caring, and ultimately strong community spirit.

Need of the hour

- As per the NEP 2020 the universal Access to ECCE

- Priority to primary education in local language with local teachers

- 30:1 PTR (Pupil-teacher ratio)

- Robust system of continuous formative/adaptive assessment to track and thereby individualize and ensure each student's learning

- Exposure to different kinds of reading material like newspapers, novels, comics, magazines, websites, etc.

Need of the hour

- Indulging students in debates, conversations, and discussions on social and global issues

- Technological intervention to serve as a aid to teachers

- Teacher training with continuous professional development to impart foundational literacy and numeracy.

- Use of Vedic Mathematics for enhancing basic Numeracy

- Peer learning in joyful manner under the supervision of trained teachers

Haryana Government Initiative - Saksham Haryana

- Saksham Haryana is an initiative by the CM Office of Haryana to improve the learning levels of Haryana Government school students.

- The program was started in June 2017 as the successor to the 3-year old Quality Improvement Program (2014-17), i.e. QIP.

- During Saksham Haryana 1.0 from 2017-19 the program aimed at ensuring that 80% students in 9000+ government elementary and middle schools should be grade level competent.

- In July 2019, Saksham Haryana 2.0 was launched with expanded objectives:

  - Elementary: 80% grade level competence in all subjects - Hindi, Maths, English, Science, EVS, S.St.

  - Secondary: Improving class 10th and 12th board exams pass rate by 20 percent

Program Intervention

A framework of interventions have been undertaken in mission mode under CM leadership since 2017.

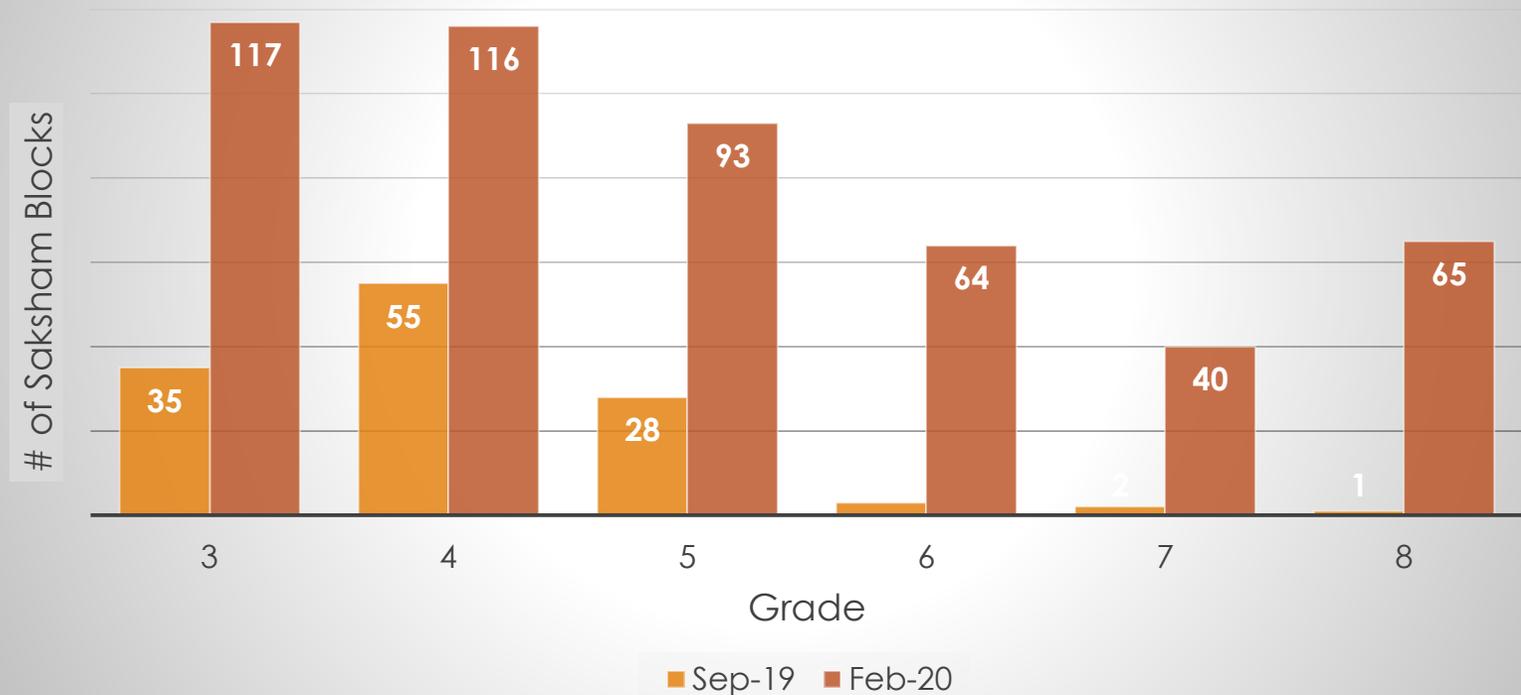|				
Administrative Initiatives	Teacher Recruitment	Teacher Transfers	MIS & Online Service Books	Learning Collateral
Academic Initiatives	Competency Awareness	Teacher Enablement	Assessment Reforms	Assessment Insights
Enablers	Direct CM Involvement	Accountability for Outcomes	Information Systems	Ground-Up Participation

Saksham Ghoshna

IMPACT

Saksham Haryana 1.0 :

- 8 rounds of Saksham Ghoshna were conducted.

- After 8th round in May 2019, 107 out of 119 blocks in Haryana were declared Saksham in Hindi and Maths for grades 3, 5, 7.

Saksham Haryana 2.0 :

- During the academic year 2019-20, all 119 blocks SAT Ghoshna exams in both September and February.

- Results for classes 3-8 in Hindi, Maths, Science, EVS and S.St improved significantly over the course of the academic year.

Saksham Haryana 2.0 Outcomes

Bar chart titled "Saksham Haryana 2.0 Outcomes". Y-axis: # of Saksham Blocks. X-axis: Grade. Legend: Sep-19 (orange), Feb-20 (brown).

Grade	Sep-19	Feb-20
3	35	117
4	55	116
5	28	93
6	—	64
7	2	40
8	1	65

Role of Teacher

○ Teachers play vital roles in the lives of the students in their classrooms. Teachers are best known for the role of educating the students that are placed in their care.

○ NEP2020 has also focused on Teacher Education.

○ Teacher to focus Practical educational games to promote numeracy

○ Beyond that, teachers serve many other roles in the classroom.

    ○ Teachers set the tone of their classrooms,

    ○ build a warm environment

    ○ mentor and nurture students,

    ○ become role models

    ○ listen and look for signs of trouble.