Impact of NEP on Teachers and Teaching

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CENTRAL BOARD OF SECONDARY EDUCATION
Secondary School Examination (Class X) 2020

Roll No:

Candidate Name:

Mother's Name:

Father's Name:

Date of Birth

School's Name: DELHI

SUB CODE	SUB NAME	THEORY	I.A / PRACTICAL	TOTAL	POSITIONAL GRADE
002	HINDI COURSE-A	066	020	086	A2
184	ENGLISH LANG & LIT.	033	018	051	D1
241	MATHEMATICS BASIC	020	018	038	D1
086	SCIENCE	023	019	042	C2
087	SOCIAL SCIENCE	069	019	088	B1
Additional Subject					
122	SANSKRIT	044	018	062	C2
	Result : PASS				

http://cbseresults.nic.in

...ation

Brought to you by National Informatics Centre

Examiantion Results

Certificate Examination (Class-XII) 2020

Mother's Name:

Father's Name:

School's Name:

SUB CODE	SUB NAME	THEORY	PRACTICAL	MARKS	GRADE
301	ENGLISH CORE	047		047	D1
002	HINDI ELECTIVE	049	017	066	B2
027	HISTORY	057	019	076	A2
028	POLITICAL SCIENCE	076		076	B1
030	ECONOMICS	048	019	067	C1
500	WORK EXPERIENCE			---	B2
502	HEALTH & PHY. EDUCATION			---	B2
503	GENERAL STUDIES			---	B2
Additional Subject					
048	PHYSICAL EDUCATION	026	028	054	D2
	Result : PASS				

Every year after Results …!

Kota – The Suicidal City Of India?

"Kota is nothing but a dirty industry which kills young minds, and it has a golden foil cover of 'education' over it."

by Keshav Bhardwaj

OVERBURDENED SHOULDERS

- One student commits suicide every **55 minutes** in the country
- **150 students** committed suicide in AP and Telangana in the 2017-18 academic year
- Suicide incidence rate per **1,00,000 population** below the age of 14 is 0.5, but goes up to **9.52** for those in **14-17 age** bracket
- On an average, **20% of students** in each class suffer from anxiety and depression
- In last 3 years, **26,000+ students** have committed suicide across India
- Difficulty in coping with academics, pressure from parents, societal expectations are problem areas

90% of the suicides recorded across AP & Telangana occur at junior college level where competition is fierce

PARENTS, WATCH OUT FOR THESE SIGNS

- Isolation from family and friends
- Self-harm
- Engaging in risky activities
- Showing declined interest in activities they previously enjoyed
- Drastic changes in mood and behaviour

CHAKRAPANI COMMITTEE'S SUGGESTIONS

- Conducting only one [exam] a month per subject
- Introducing grading system in Intermediate colleges
- Allowing usage of cell phones for students [in] residential colleges
- Identifying students [with] deformities and providing them counselling

WHAT'S THE WAY FORWARD

- Govt should get down to nuts and bolts of the problem to address it
- Teachers should be trained on coaching students with compassion
- Life skills should be ingrained in students from a young age
- Fear of failure should be done away with
- Workloads should be reduced to allow students to explore their interests

PRESSURE OF PERFECTION?

- One student commits suicide every 55 minutes in India
- In academic year 2017-18, more than 150 students across AP and Telangana committed suicide
- In Hyderabad, more than 30 students committed suicide in academic year 2017-18
- **20%** of city students in a single class are suffering from anxiety & depression
- Suicide incidence rate per 1,00,000 population for those below the age of 14 is 0.5
- Suicide incidence rate per 1,00,000 population for those in 14-17 age bracket is 9.52

WARNING SIGNS

- Isolation from family and friends
- Self-harm
- Drastic changes in mood and behaviour (extreme fear, sadness, irritability)
- Changes in sleeping and eating habits
- Drug and alcohol use
- Engaging in risky behaviours
- Showing less interest in activities they previously enjoyed

> According to statistics, over the past three years more than 26,000 students have committed suicide across India. A majority of student suicides are caused by underlying psychiatric factors such as stress, depression and anxiety. It could result from difficulty in coping with academics, unrealistic expectations and pressure from parents and lack of support from peers. It is very important to identify the illness at an early stage and consult a mental health professional
> —Dr Virinchi Sharma | A PSYCHIATRIST

SORRY MOTHER, READ THE NOTE

Pic: Anil

- Calm atmosphere should be provided to students to study
- Parents and peers must not put pressure
- In case stressed, students must speak to parents and teachers
- If parents notice signs of stress in children, counsellors should be consulted
- Children should not skip meals while preparing for exams

> Students should not take exam pressure as it might lead them to taking extreme steps. Social pressure these days is much higher and students who fail to perform well feel left out
> **Seetha Murthy** | PRINCIPAL OF SILVER OAKS INTERNATIONAL SCHOOL

> If a student has poor performance, it shows up in their behaviour. Having counsellors in schools is important
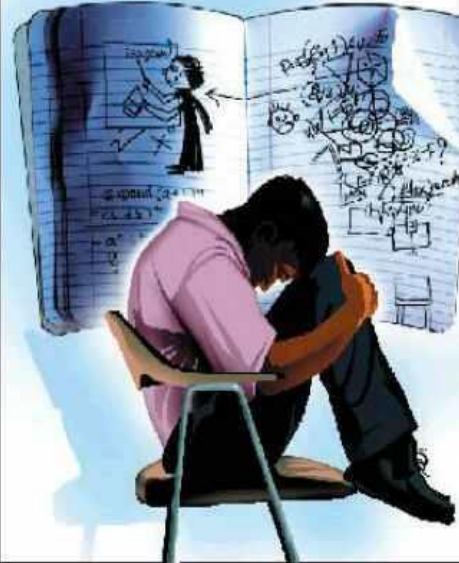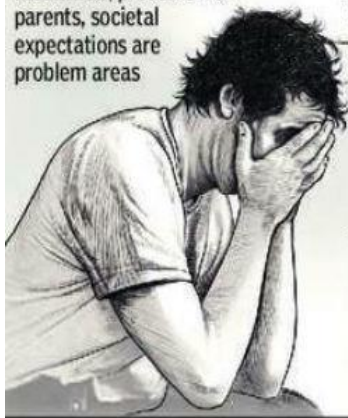> **Aravinda Jata** | A PARENT

> From past few years, I have witnessed a spurt [in] depression and anxiety cases among children, which leads to suicidal tendencies. Parents must watch out for early signs of depression like behavioural changes, mood swings, fatigue and increased isolation
> **Dr S Shanmukhi** | CLINICAL PSYCHOLOGIST AT RAINBOW CHILDREN'S HOSPITAL

Relatives of the girls gather at TNR Vaishnovi Sikhara apartments

ANTI-SUICIDE HELPLINE
Roshni helpline is operational everyday from 11am to 9pm. Call +914066202000/2001 or email roshnihelp@gmail.com

After studies…!

THE FINANCIAL EXPRESS
READ TO LEAD

47% graduates in India unemployable: Report

India churns out tens of thousands of

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Info-tech

95% engineers in India unfit for software development jobs: study

PTI New Delhi | Updated on January 27, 2018 | Published on April 20, 2017

Over 36,000 engineering students from IT related branches of over 500 colleges took Automata test. Image for representational purpose only.

Programming skills are five times poorer for tier III colleges as compared to tier 1 colleges, the survey noted.

Talent shortage is acute in the IT and data science ecosystem in India with a survey claiming that 95 per cent of engineers in the country are not fit to take up software development jobs.

According to a study by employability assessment

f SHARE   y SHARE
in SHARE

"UNEMPLOYABILITY"
A BIGGER PROBLEM THAN UNEMPLOYMENT

INTRIGUING FACTS:

MORE THAN
50 LAKH STUDENTS GRADUATE PER YEAR
VERY FEW ARE FIT TO BE EMPLOYED.

MORE THAN
50 %
OF INDIAN GRADUATES LACK BASIC EMPLOYABILITY SKILLS

SUNDAY TIMES
SUNDAY TIMES OF INDIA, NEW DELHI * JUNE 23, 2013

Poor English, comp skills make grads unemployable

Rema Nagarajan
TIMES INSIGHT GROUP

The National Employability Report by Aspiring Minds revealed this, based on a computer adaptive test on 60,000 Indian grads

Of the five million odd graduates that India produces annually, only a little over half are employable in any sector of the knowledge economy. Inadequate English and computer skills are key factors holding back students, especially those from smaller towns.

The National Employability Report by Aspiring Minds, an employability solutions company, revealed this, based on the computer adaptive test on 60,000 Indian graduates. The students were tested communication skills in English, computer knowledge, analytical, cognitive skills and basic accounting knowledge.

According to the report,

respectively. These require communication, cognitive skills and personality traits such as friendliness and agreeableness and in the latter numerical ability too.

Over one third of the graduates (36%) were suitable for employment in clerical/secretarial jobs, the sector showing highest employability for graduates, followed by IT-enabled services and BPO. These show 21.4% employability as they require relatively low skills.

ployability is highest in the bigger Tier I cities (over 25 lakh population). The drop in employability is maximum for jobs of analysts and corporate communication, all jobs that require high competence in cognitive skills and English.

It was found that the higher the skill requirement for a job, the greater the gap between employability in Tier I compared with Tier II and III cities.

Tier III cities (less than five lakh population) seem worst off when it comes to computers, while in English both Tier II and Tier III need help.

When it comes to a drop in skills from Tier II to Tier III cities, it is noticeable that the drop in cognitive skills is the highest among management

THE STATE OF ENGINEERING GRADUATES IN INDIA

REJECTED

6,00,000

4,80,000

GRDUATES PER YEAR   UNEMPLOYABLE

Source: National Employability Report 2015

The so called educated...!

TIMESOFINDIA.INDIATIMES.COM
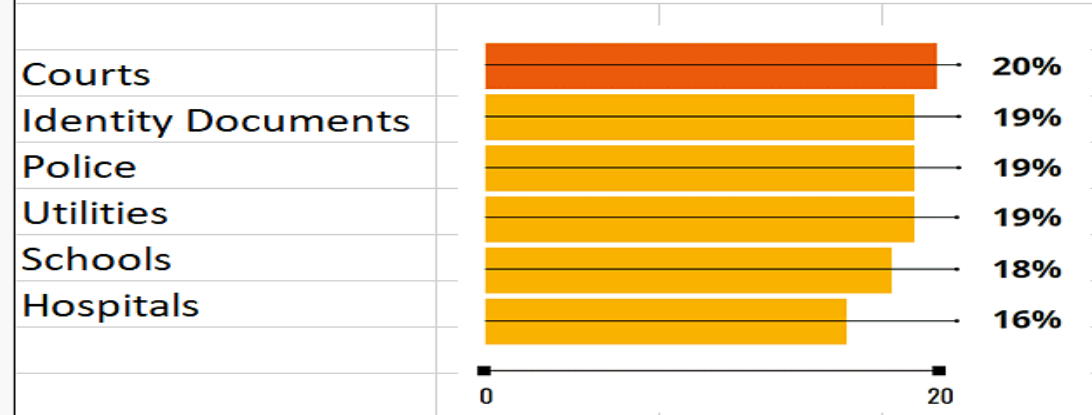Delhi: Murderer doctor's 100 victims became crocodiles feed in UP canal | Delhi News - Tim...

Misuse of Powers by Judges in India.

indianlegalsolution.com

62%
of Indian cops have accepted bribes

Corruption in India
Which services see higher rates of corruption

Service		Rate
Courts		20%
Identity Documents		19%
Police		19%
Utilities		19%
Schools		18%
Hospitals		16%

Source : Transparency International, 24 Nov 2020 -
https://www.transparency.org/en/news/bribery-or-personal-connections

The efforts

The 3 Myths of the Indian Education System | Vinay Menon | TEDxThiruvananthapuram
TEDx Talks · 26 lakh views · 4 years ago

Innovation in School Education || Manish Sisodia
Manish Sisodia at Work · 11K views · 1 year ago

I SUED THE SCHOOL SYSTEM !!!
Prince Ea · 2.2 crore views · 4 years ago

Child Driven Education
Houston Robotics · 23K views · 9 years ago

Do schools kill creativity? | Sir Ken Robinson
TED · 2 crore views · 14 years ago

The interesting story of our educational system | Adhitya Iyer | TEDxCRCE
TEDx Talks · 33 lakh views · 4 years ago

Education in India: Are students failing or the system?! | Sonam Wangchuk | TEDxGateway
TEDx Talks · 5.2 lakh views · 4 years ago

Do not pretend to be educated: Sugata Mitra at TEDxIITKharagpur
TEDx Talks · 2.1K views · 7 years ago

Creativity in the classroom (in 5 minutes or less!) | Catherine Thimmesh | TEDxUniver...
TEDx Talks · 2.5 lakh views · 6 years ago

Singapore vs India | Education System Analysis by Dhruv Rathee
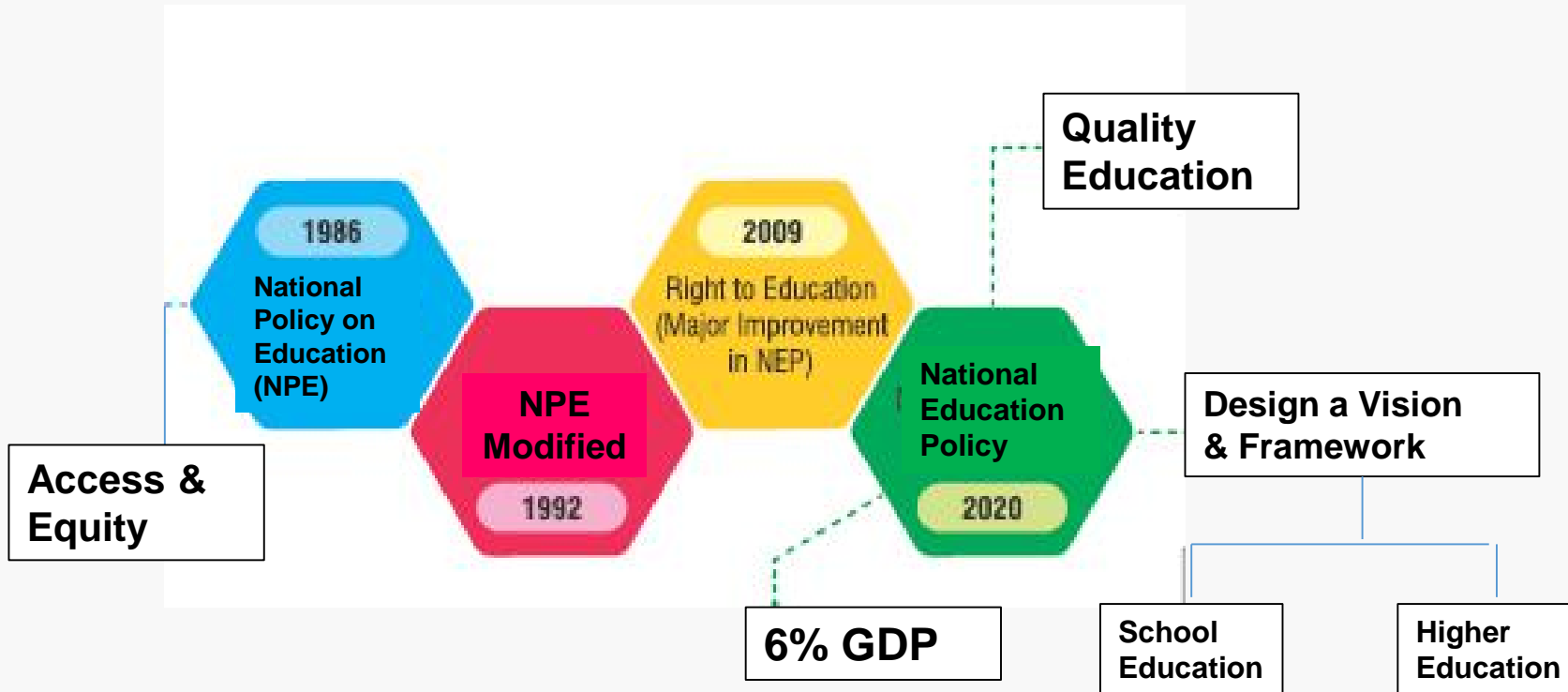Dhruv Rathee · 9.4 lakh views · 11 months ago

How to escape education's death valley | Sir Ken Robinson
TED · 50 lakh views · 7 years ago

Reasons...

- **Lord Macaulay – Indian Education System 1834-35**

- **Religion V/s Science in Europe during Renaissance**

- **Education for living not Life**

Need for a Holistic Educational System
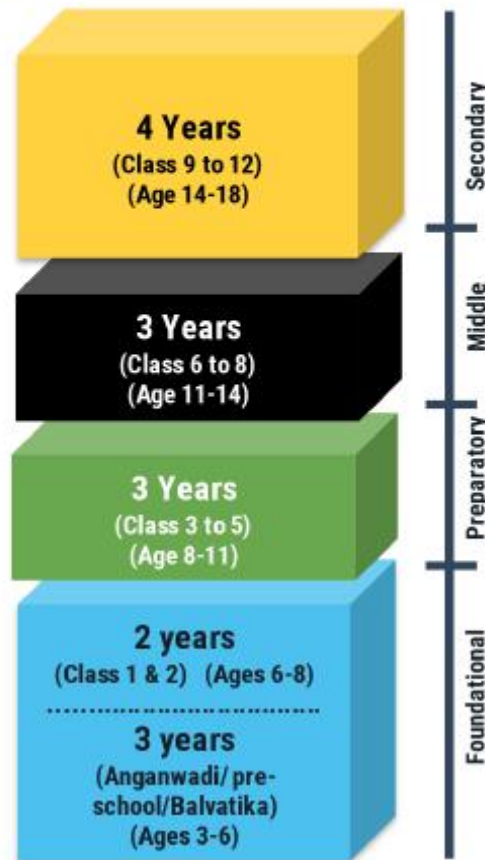
National Education Policy

Major changes in the structure

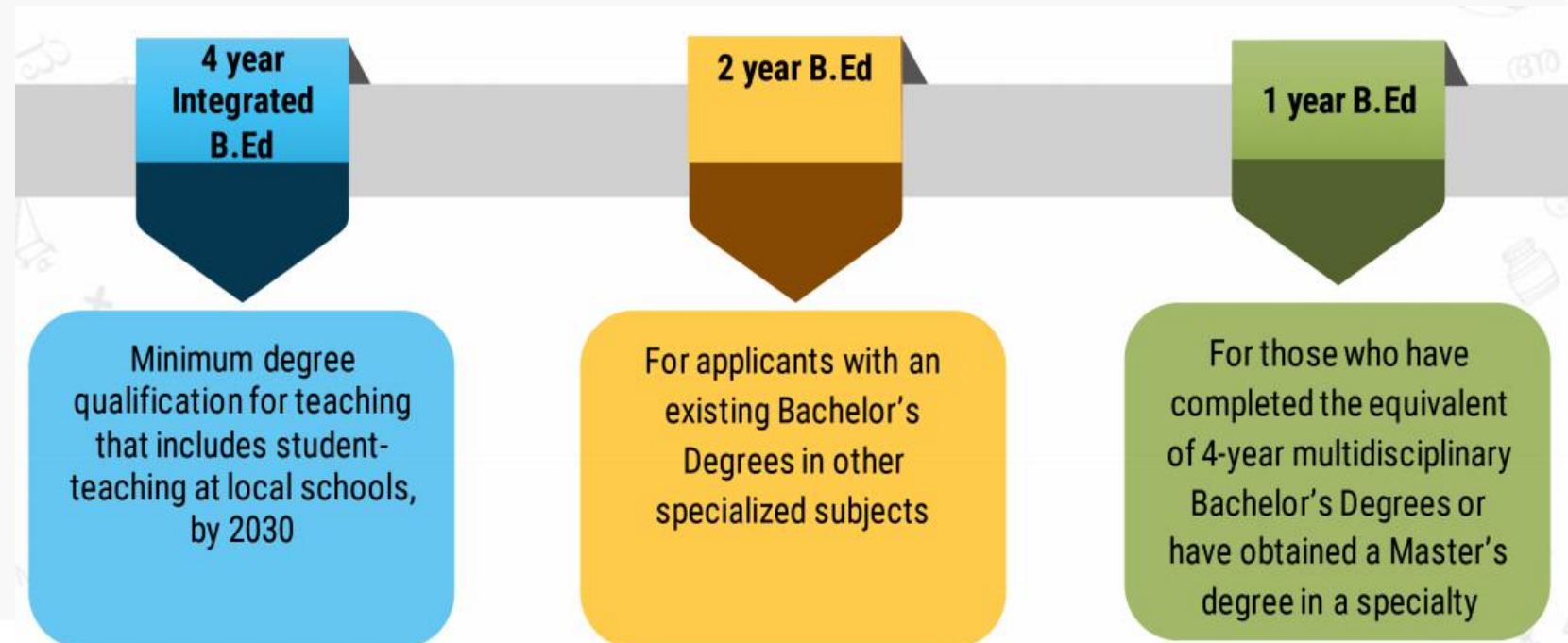Transforming Curricular & Pedagogical Structure

Existing Academic Structure

- 2 Years (Age 16-18)
- 10 Years (Ages 6-16)

New Academic Structure

- 4 Years (Class 9 to 12) (Age 14-18) — Secondary
- 3 Years (Class 6 to 8) (Age 11-14) — Middle
- 3 Years (Class 3 to 5) (Age 8-11) — Preparatory
- 2 years (Class 1 & 2) (Ages 6-8) — Foundational
- 3 years (Anganwadi/pre-school/Balvatika) (Ages 3-6) — Foundational

1. Low stakes board exams,

2. Vocational Skills to be Taught

3. Single regulator for higher education institutions,

4. Multiple entry and exit options in degree courses,

5. Common entrance exams for universities.

6. Multidisciplinary Undergraduate Programs

7. Discontinuation of MPhil programs

Teachers Training Framework

- **New and Comprehensive National Curriculum framework.**

- **NTA testing for admissions to B.Ed.**

- **Teacher Education Programs within composite multidisciplinary institutions.**

4 year Integrated B.Ed

Minimum degree qualification for teaching that includes student-teaching at local schools, by 2030

2 year B.Ed

For applicants with an existing Bachelor's Degrees in other specialized subjects

1 year B.Ed

For those who have completed the equivalent of 4-year multidisciplinary Bachelor's Degrees or have obtained a Master's degree in a specialty

Teacher Recruitment

- **Teacher Eligibility Tests (TETs) for all teachers in all levels.**

- **Test score and classroom demonstration – part of recruitment.**

- **Certificate courses for general teachers to teach Divyang children.**

- **50 Hours CPD for teachers on latest pedagogies.**

A Day in the life of a teacher after NEP

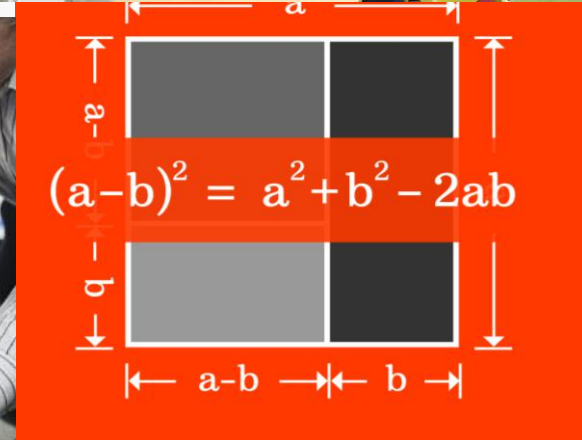- **Holistic Education for Holistic Development**

➢ *Mind*

➢ *Body*

➢ *Heart*

➢ *Soul*

A Day in the life of a teacher after NEP

- **Learning Outcomes for Lesson Designing**

- **Reduced Curriculum**

- **Experiential learning - (formulas of Maths.....**

- **Peer Tutoring, Group Learning**

$$(a-b)^2 = a^2 + b^2 - 2ab$$

A Day in the life of a teacher after NEP

- **Interactive class – open for discussions**

- **Games –online/offline to learn concepts**

- **Competency**

DIVYANG- Teaching children with special needs

Bal Bhavans

Pairing with Schools

Vocational Education (6th – 8th)

A Day in the life of a teacher after NEP

- **Health, Nutrition,**

- **Managing Emotions, Stress**

- **Counselling**

- **Sports**

Padhoge, likhoge banoge Nawab,

Kheloge, koodoge, banoge……….

A Day in the life of a teacher after NEP

- **Ethics, values, morals as an integral part of Education.**

- **Logical framework for making ethical decisions: Cheating, Plagiarism, littering, tolerance, equality, empathy**

- **Indian, Constitutional and All Human Values with Indian History**

- **Scientific Explanation for effects of Alcohol, Tobacco, Drugs**
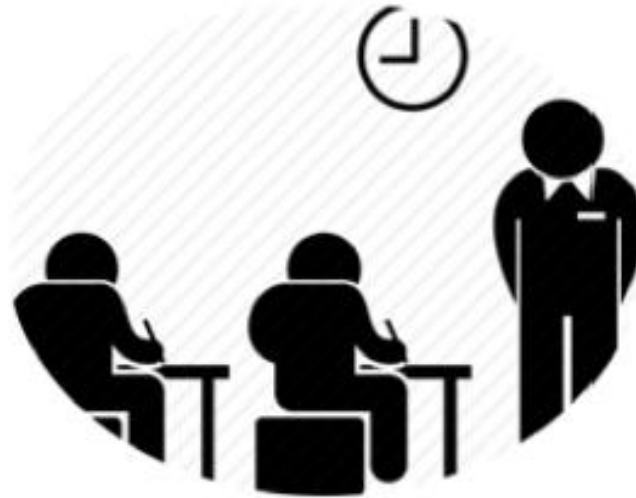
Transforming culture of Assessments

- **Moving away from ROTE LEARNING : Continuous tracking of Learning outcomes, core concepts, real life applications based assessment ..**

- **Key stage assessments in classes 3, 5 and 8 to track achievement.**

➢ **REPORT CARD**

- **Holistic Multidimensional 360-degree : Self assessment, Peer assessment, Teacher Assessment**

- **Project-based, enquiry-based, quiz, role plays, group work in report card.**

- **Artificial Intelligence based software to track growth and help students for career choices.**

Reforming examinations in grades 9 to 12 including board exams

Board exams will be made 'easier', as they will test primarily core capacities/competencies

Viable models to be explored: annual/semester/modular Exams; two parts exams - objective type and descriptive type.

Guidelines will be prepared by NCERT, in consultation with SCERTs, Boards of Assessment (BoAs), and PARAKH

Teachers to be prepared for a transformation in the assessment system by the 2022-23 academic session

Each School Board shall ensure equivalence of academic standards in learner's attainments

Standards, norms and guidelines for School Boards through PARAKH National Center

Beginning with Mathematics, all subjects could be offered at two levels

Holistic Preparation for Holistic Development of a TEACHER

FOR

Holistic Education for Holistic Development of a Student

Everything cannot be included in Curriculum

Maths ….

History….

Science …..

Environment …..

Social….

JazakAllahu Khaira

Please Share Your Inputs on NEP:

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