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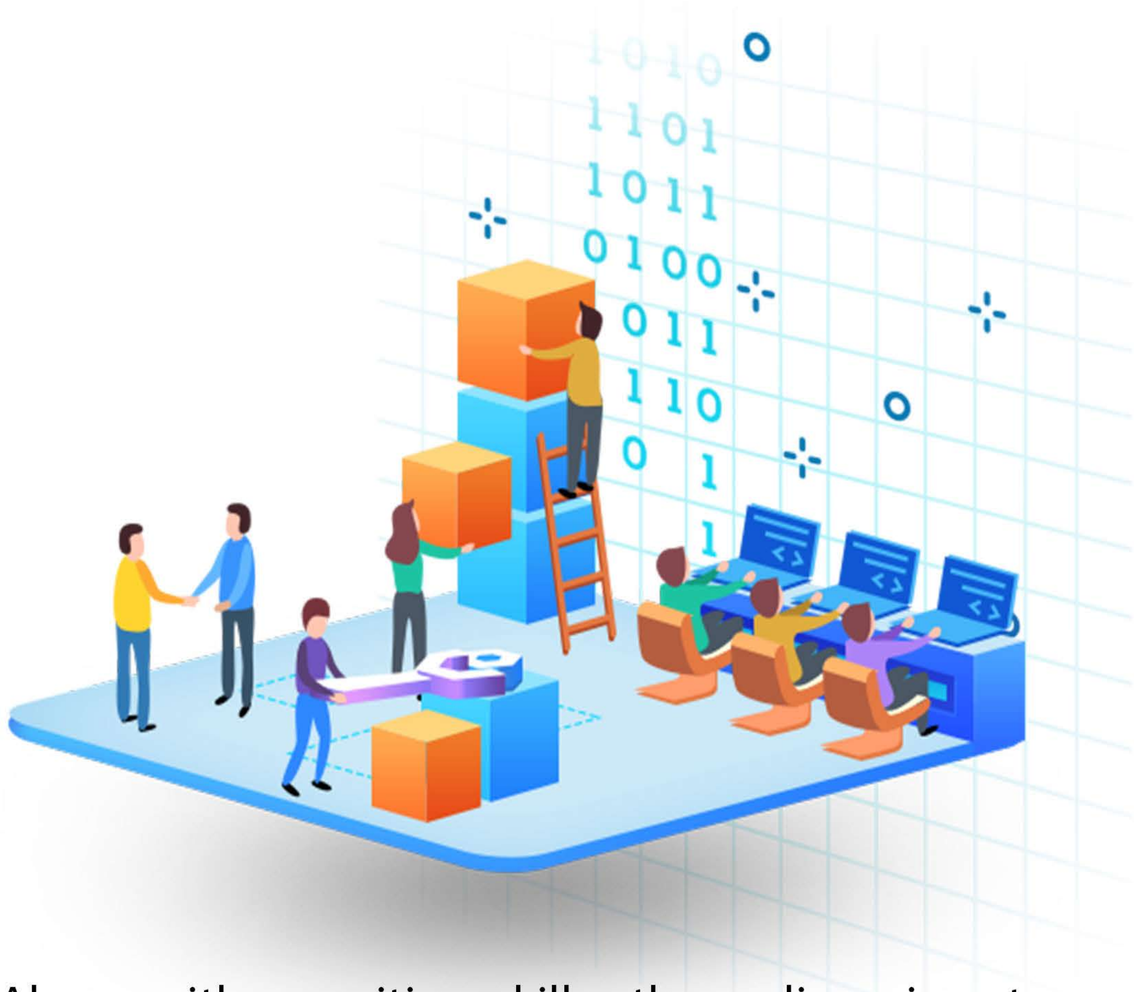
A MindBox Initiative

National Education Policy 2020

Empowering Educators & Students for a Digital Future

National Education Policy (NEP)2020

The first education policy of the 21st century, NEP 2020 lays emphasis on the development of students' creativity, problem-solving and innovation skills.



Along with cognitive skills, the policy aims to enhance higher order thinking skills, soft skills, social and emotional skills of students through multidisciplinary and holistic education.

Goal

Replace Rote learning with Context-based learning and create well-rounded individuals equipped with 21st century skills that will help India become a global knowledge superpower.

Benefits

Implementation of NEP 2020 in our education system will introduce contemporary subjects like Design Thinking and Artificial Intelligence to develop in-demand skills in students. It will help nurture students' talents in a fun learning environment. Summative assessment will be replaced with Formative assessment which is competency-based, encourages learning & development and tests higher order thinking skills of students.

1. Promotes student-centered learning
2. Introduces contemporary subjects
3. Encourages creative thinking
4. Implements digital pedagogy
5. Improves learning outcomes
6. Supports teachers' professional development

HOW TO
IMPLEMENT
NEP 2020
IN SCHOOLS

Integrate Coding & Design Thinking into the Curriculum

Coding and Design Thinking curriculum encourages students to think out of the box, experiment and come up with creative solutions to problems. Topics like App Design,Game Design, 3D Design with Animation and Web Design allows them to learn to code while having fun. It helps educators to develop creativity & digital skills of students which empowers them to become creators of technology.

Promote DIY Mindset with project Based Learning (PBL)

Multidisciplinary Project Based Learning provides a vehicle for integrating multiple subjects into one cumulative project. These projects require students to apply STREAM (Science, Technology, Research, Engineering, Art, and Mathematics) and create solutions/prototypes for real-world problems. It encourages students to learn by applying their knowledge and skills through an engaging experience. With increased engagement, PBL encourages a deeper understanding of content which develops creativity, critical thinking, communication, and collaboration (the Four C's of 21st century skills). These skills are essential to succeed in academics and life beyond school.

Exposure to Advanced Technologies in the Classroom

Introduce students to ICT 2.0, the next generation of ICT curriculum and equip them with digital and employability skills that will be crucial in the future workplace. Exposure and applied knowledge of Artificial Intelligence (AI), Virtual Reality (VR), Augmented Reality (AR), Rapid Prototyping (3D Printing), Internet of Things (IOT), Visual Programming, Robotics, Cyber Safety, Cloud Computing, Computer Aided Design (CAD), Object Oriented Programming (OOP), Data Science and Analysis, Social Networks and Project Management & Entrepreneurship ensure students have the confidence to work in the future environment where these technologies will become mainstream.

Encourage participation in Skill-enhancing Competitions

Online/offline competitions at school, local, state, or national level offer a platform to students to showcase their talents and strengthens their creative confidence & creative potential. Some of the skill-enhancing competitions include **Design Championship**, **Robotics Competition**, **Coding Competition**, **STEM/STEAM Competition**. These competitions develop and enhance in-demand skills like **design thinking**, **coding**, **programming**, **creativity**, **active learning**, **problem solving**/ **troubleshooting**, **critical thinking**, **collabortion**/ **teamwork, communication**, decision making, time management, **leadership**, **empathy**, **flexibility**, **persistence**, **analytical thinking** and absorbing constructive criticism.

Upskill Teachers through Training Programs

Training Programs help teachers to learn the latest innovations and advances in their profession. It gives teachers, the opportunity for self-improvement by allowing them to choose the online training modules, that are most useful for their own development. The programs cover in-depth training of technical and **21**st **century skills**, **latest pedagogies**, **competency-based learning**, **adaptive assessment** of learning outcomes etc. which helps them deliver learning effectively and efficiently.

Conclusion

The above-mentioned points can help the education leaders to implement the new National Education Policy 2020 successfully in their schools. The CBSE has already launched a competency-based assessment framework to replace the existing rote learning model for classes 6 –10 (subjects include English, Science, and Mathematics). To reap the benefits of this progressive policy, all schools in India must act immediately and implement the policy in its true sense to make teaching and learning a meaningful & exciting experience.

MINDBOX ICT 2.0 | The Next Level of ICT Learning

With the new guidelines of NEP 2020, and Future Skills, ICT 2.0 curriculum designed by MindBox is a unique platform which takes ICT from Static to Dynamic Curriculum, by seamlessly combining the subject knowledge of ICT with the holistic development of the child

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