

# Application of NEP 2020 in Middle Level School Education

Sumana Satpati

Assistant Professor in Education,  
Prodyumna Institute of Higher Education, Joypur, West Bengal, India

## ABSTRACT

The Ministry of Education introduced the National Education Policy 2020 as a transformative educational framework aimed at improving the quality, accessibility, inclusivity, and relevance of education in India. The middle level stage of schooling, covering students approximately between Classes VI to VIII, occupies a crucial position in learners' cognitive, emotional, social, and academic development. NEP 2020 emphasizes experiential learning, competency-based education, multilingualism, vocational exposure, digital literacy, and holistic development at the middle school stage. The present qualitative study examines the application of NEP 2020 in middle level school education and analyzes its implications for curriculum, pedagogy, assessment, teacher roles, technology integration, and student development. Secondary data were collected from policy documents, books, educational journals, and academic reports. The findings reveal that effective implementation of NEP 2020 at the middle level can strengthen foundational competencies, creativity, critical thinking, skill development, and inclusive learning practices. The study concludes that successful application of the policy requires teacher training, infrastructural development, technological support, curriculum reforms, and collaborative educational efforts.

**KEYWORDS:** NEP 2020, Middle School Education, Holistic Development, Competency-Based Learning, Experiential Learning, Educational Reform, School Education.

## INTRODUCTION

Education plays a central role in shaping the intellectual, emotional, moral, and social development of children. School education forms the foundation for lifelong learning, citizenship, employability, and national development. Recognizing the changing demands of the 21st century, the Government of India introduced the National Education Policy (NEP) 2020 as a comprehensive reform policy aimed at transforming the Indian educational system.

### The NEP 2020 emphasizes:

- Holistic development,
- Multidisciplinary learning,
- Foundational literacy and numeracy,
- Skill development,
- Inclusive education,
- Digital learning,
- Flexibility in curriculum and pedagogy.

([education.gov.in](http://education.gov.in))

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The policy replaces the traditional 10+2 educational structure with a new 5+3+3+4 curricular framework aligned with children's developmental stages.

The middle level stage corresponds to the "Preparatory and Middle Stage" involving Classes VI to VIII, generally covering ages 11–14 years. This stage is highly significant because learners develop:

- Abstract thinking,
- Logical reasoning,
- Social awareness,
- Emotional maturity,
- Academic interests,
- Career aspirations.

NEP 2020 seeks to make middle school education more interactive, skill-oriented, learner-centered, flexible, and competency-based. It promotes experiential learning, vocational exposure, coding education, multilingual learning, critical thinking, and reduced dependence on rote memorization.

In the contemporary era characterized by technological advancement, globalization, environmental challenges, and changing labour market requirements, middle level education must prepare learners with both academic and life skills. The present study examines the application of NEP 2020 in middle level school education and analyzes its educational significance and practical implications.

### Objectives of the Study

1. To understand the concept and structure of NEP 2020.
2. To examine the application of NEP 2020 in middle level schools.
3. To analyze the impact of NEP on curriculum, pedagogy, and assessment.
4. To identify challenges in implementing NEP at the middle school stage.
5. To suggest measures for effective implementation of NEP 2020.

### Methodology

The present study is qualitative and descriptive in nature. Secondary data were collected from policy documents, books, educational journals, reports, and online academic resources. The collected information was analyzed through thematic and descriptive interpretation.

### Review of Related Literature

Several scholars and educational experts have analyzed the significance of NEP 2020 in transforming school education. J. B. G. Tilak observed that NEP 2020 promotes holistic and multidisciplinary education aligned with global educational trends.

Research studies indicate that competency-based learning and experiential pedagogy improve students' conceptual understanding, creativity, and problem-solving abilities.

### Educational discussions on middle school reform emphasize the importance of:

- Skill development,
- Critical thinking,
- Vocational education,
- Digital literacy,
- Flexible curriculum.

Recent studies also highlight that technology integration and activity-based learning enhance student engagement and educational outcomes in middle level schools (reddit.com). UNESCO reports emphasize that inclusive and learner-centered education is essential for sustainable educational development and 21st century competencies (unesco.org).

The reviewed literature clearly indicates that NEP 2020 has substantial potential for improving middle school education in India.

### Analysis and Discussion

#### Concept of NEP 2020

The National Education Policy 2020 is a comprehensive educational reform policy aimed at transforming India into a knowledge-based and globally competitive society.

#### Major features include:

- Holistic and multidisciplinary education,
- Foundational literacy and numeracy,
- Experiential learning,
- Skill development,
- Multilingualism,
- Vocational education,
- Technology integration,
- Flexible curriculum,
- Inclusive education,
- Competency-based assessment.

#### Middle Level School Education Under NEP 2020

The middle stage under NEP includes Classes VI to VIII and focuses on:

- Experiential learning,
- Subject-oriented learning,
- Conceptual understanding,
- Critical thinking,
- Scientific temper,
- Skill development.

The policy encourages reducing rote learning and promoting inquiry-based and activity-oriented education.

#### Application of NEP 2020 in Middle Level Schools

##### Experiential Learning

NEP promotes experiential and activity-based learning methods such as:

- Projects,
- Experiments,
- Field visits,
- Role play,
- Hands-on activities.

Experiential learning improves conceptual clarity and student engagement.

##### Competency-Based Education

The policy emphasizes competency development rather than rote memorization.

Students develop:

- Problem-solving skills,
- Critical thinking,
- Communication abilities,
- Creativity,
- Analytical reasoning.

### **Multidisciplinary Learning**

NEP encourages integration of:

- Science,
- Mathematics,
- Arts,
- Social science,
- Physical education,
- Vocational skills.

This approach promotes holistic development.

### **Vocational Education**

Vocational exposure begins from middle school through:

- Internship opportunities,
- Craft education,
- Skill training,
- Local vocational knowledge.

This strengthens employability and practical understanding.

### **Coding and Digital Literacy**

The policy introduces coding and digital education at middle school level.

- Students learn:
- Basic programming,
- Computational thinking,
- Digital skills,
- Responsible technology use.

### **Mother Tongue and Multilingual Education**

NEP supports learning through mother tongue or regional language at early and middle stages wherever possible.

Multilingualism enhances:

- Cognitive development,
- Cultural understanding,
- Communication skills.
- Flexible Curriculum

### **The curriculum becomes more flexible and learner-centered, allowing:**

- Choice-based learning,
- Reduced curriculum load,
- Greater conceptual focus.

### **Inclusive Education**

NEP emphasizes inclusion of:

- Economically disadvantaged learners,
- Rural students,
- Girls,
- Children with disabilities,
- Marginalized communities.

### **Inclusive practices support educational equality.**

Art-Integrated and Sports-Integrated Learning

The policy integrates:

- Arts,

- Music,
- Dance,
- Sports,
- Yoga

within mainstream education for holistic development.

### **Pedagogical Changes Under NEP 2020**

Traditional teacher-centered instruction is replaced by learner-centered pedagogy.

Teaching methods include:

- Discussion method,
- Collaborative learning,
- Inquiry-based learning,
- Project method,
- Activity-based learning,
- Digital learning.

These methods promote active classroom participation.

### **Assessment Reforms in Middle School**

NEP proposes competency-based and formative assessment systems.

Assessment focuses on:

- Understanding,
- Application,
- Creativity,
- Critical thinking,
- Skill development.

Traditional rote-based examinations are gradually reduced.

### **Holistic Progress Card**

The policy recommends a 360-degree progress card evaluating:

- Academic performance,
- Skills,
- Values,
- Creativity,
- Participation,
- Emotional development.

### **Role of Teachers in NEP Implementation**

Teachers play a central role in implementing NEP successfully.

**Their responsibilities include:**

- Facilitating active learning,
- Using innovative pedagogy,
- Supporting inclusive education,
- Integrating technology,
- Promoting critical thinking,
- Providing continuous assessment.

Teacher professional development becomes essential under NEP.

### **Role of Technology in Middle School Education**

Technology supports NEP implementation through:

- Smart classrooms,
- Online learning platforms,
- Digital content,
- Interactive learning,
- Educational applications,
- Virtual laboratories.

Technology enhances accessibility and student engagement.

### **Benefits of Applying NEP 2020 in Middle Schools Holistic Development**

Students develop intellectually, emotionally, socially, physically, and creatively.

### **Improved Learning Outcomes**

Competency-based education strengthens conceptual understanding and problem-solving skills.

### **Skill Development**

Vocational and digital education prepare learners for future employment opportunities.

### **Increased Student Engagement**

Interactive and experiential learning improves participation and interest.

### **Reduction of Rote Learning**

Conceptual and inquiry-based learning reduce excessive memorization.

### **Inclusive and Equitable Education**

The policy promotes educational opportunities for diverse learners.

### **Better Preparation for Future Education**

Middle school learners become prepared for higher education and lifelong learning.

### **Challenges in Implementation**

Despite its advantages, several challenges affect effective NEP implementation such as:

#### **Teacher Training Limitations**

**Many teachers require training in:**

- Digital education,
- Competency-based teaching,
- Experiential pedagogy.

#### **Infrastructure Deficiencies**

**Several schools lack:**

- Digital facilities,
- Laboratories,
- Internet connectivity,
- Adequate classrooms.

#### **Digital Divide**

- Rural and economically disadvantaged students often face technological barriers.
- Curriculum Transition Challenges

- Adapting to new pedagogical and assessment systems requires systematic planning.

- Financial Constraints

- Successful implementation requires significant investment in infrastructure and teacher development.

- Resistance to Change

- Traditional examination-oriented educational culture may resist pedagogical reforms.

### **Suggestions for Effective Implementation**

- Teacher training programs should be strengthened regularly.

- Schools should develop adequate digital and physical infrastructure.

- Experiential and activity-based learning resources should be provided.

- Parents and communities should be involved in educational reforms.

- Continuous monitoring and evaluation systems should be established.

- Inclusive education support services should be strengthened.

- Technology access should be expanded in rural and marginalized areas.

- Curriculum and textbooks should align with competency-based learning objectives.

- Career guidance and counseling services should be introduced at middle school level.

- Government investment in educational reform should be increased.

### **Conclusion**

The application of NEP 2020 in middle level school education represents a transformative step toward improving the quality, relevance, inclusivity, and effectiveness of Indian education. The policy promotes holistic development, competency-based learning, experiential education, vocational exposure, digital literacy, multilingualism, and learner-centered pedagogy.

Middle school education is a crucial developmental stage where learners acquire cognitive, emotional, social, and practical skills necessary for future academic and professional success. NEP 2020 seeks to prepare learners not only for examinations but also for life, citizenship, employability, and lifelong learning.

However, successful implementation requires adequate teacher preparation, infrastructural

development, technological accessibility, curriculum reform, and collaborative educational efforts. Addressing challenges such as digital divide, resource limitations, and resistance to pedagogical change is essential for achieving the goals of the policy.

Ultimately, effective implementation of NEP 2020 at the middle school level can contribute significantly to building an innovative, skilled, inclusive, and knowledge-based society in the 21st century.

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