

"BUILDING COMPETENCE FOR THE FUTURE:

**UNLEASHING THE POWER OF
21ST CENTURY SKILLS."**



“If we teach today’s students as we taught yesterday’s, we rob them of tomorrow.”



Which of the following is considered a critical 21st-century skill?

- a) Memorization
- b) Creativity
- c) Traditional problem-solving
- d) Rote learning

preeti

What does STEM stand for in the context of 21st-century skills?

- a) Science, Technology, English, Mathematics
- b) Science, Technology, Engineering, Mathematics
- c) Society, Technology, Engineering, Management
- d) Sustainable, Technology, Education, Mathematics

Which ones are missing under 7Cs ?



Critical thinking,

_____,'

Collaboration,

Communication, information, and media literacy,

_____,'

_____, and

Career and learning self-reliance.



The 7Cs are:



Critical thinking,

Creativity,

Collaboration,

Communication, information, and media literacy,

Computing and ICT literacy,

Cross-cultural understanding, and

Career and learning self-reliance.



21st Century Skills: 3Rs and 7Cs

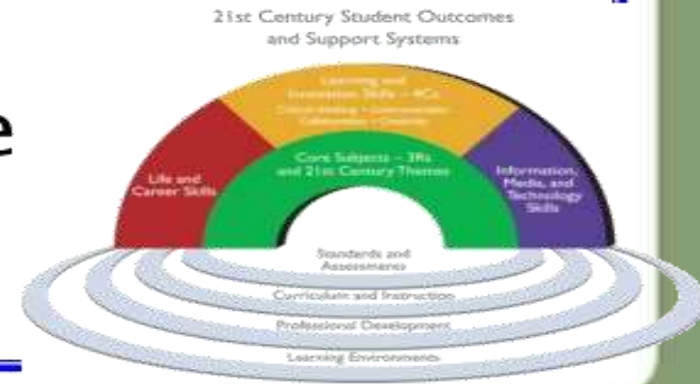
3Rs: Reading, Writing, Arithmetic

7Cs:

- **Critical Thinking & Problem-Solving**
- **Creativity & Innovation**
- **Collaboration, Teamwork & Leadership**
- **Cross-cultural understanding**
- **Communication & Media Literacy**
- **Computing & ITC Literacy**
- **Career & Learning Self-reliance**

—Bernard Trilling and Charles Fadel

21st Century Skills



1. What is the primary focus of 21st-century learning?

- 1.a) Memorization of facts
- 2.b) Rote learning
- 3.c) Developing a growth mindset and practical skills
- 4.d) Traditional teaching methods

2. Which skill involves the ability to use technology effectively and ethically?

- 1.a) Digital literacy
- 2.b) Mathematical reasoning
- 3.c) Linguistic intelligence
- 4.d) Cultural competence

CRITICAL THINKING



problem



thinking



solution

What is the essence of critical thinking?

- a) Accepting information without question
- b) Analyzing and evaluating information
- c) Memorizing facts
- d) Following instructions blindly

Which of the following statements aligns with a critical thinking mindset?

- a) "I trust everything I hear without question."
- b) "I question assumptions and seek evidence."
- c) "I avoid situations that require critical thinking."
- d) "I accept information without analysis."

DESIGN



Paint.



CREATIVITY



Ideas



What is the relationship between critical thinking and creativity?

- a) They are mutually exclusive.
- b) Critical thinking stifles creativity.
- c) Critical thinking and creativity complement each other.
- d) Creativity is irrelevant to critical thinking.

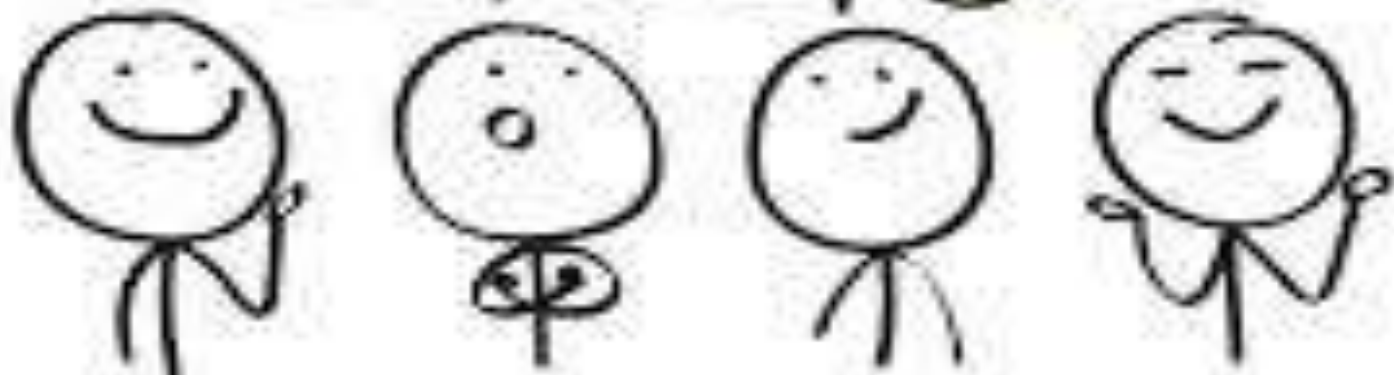


In a collaborative environment, how do conflicts typically arise, and how should they be addressed?

- a) Conflicts arise due to lack of communication, and they should be addressed through open dialogue and resolution.
- b) Conflicts are unavoidable, and they should be ignored to maintain team harmony.
- c) Conflicts arise due to collaboration itself, and they should be addressed by assigning blame.
- d) Conflicts arise due to diverse perspectives, and they should be handled by enforcing conformity.



COMMUNICATION



What is the role of effective communication in collaborative efforts?

- a) It is not necessary for collaboration.
- b) It fosters understanding and unity among team members.
- c) It leads to confusion and misunderstandings.
- d) It encourages competition within the team.

COMPUTING & ICT



INFORMATION



COMMUNICATION



TECHNOLOGY

1. In the context of 21st-century skills, what does the term "Global Citizenship" refer to?

- 1.a) Being a citizen of multiple countries
- 2.b) Having a global perspective and contributing to a better world
- 3.c) Traveling extensively
- 4.d) Mastering multiple languages

2. What is the importance of adaptability in the 21st century?

- 1.a) It is not essential in the modern world.
- 2.b) It helps individuals cope with change and uncertainty.
- 3.c) It is only relevant in certain industries.
- 4.d) It is limited to specific age groups.

CROSS-CULTURAL



COMMUNICATION

Why is cultural competence important for collaborative teams?

- a) It hinders effective communication.
- b) It promotes diversity and understanding.
- c) It leads to conflicts.
- d) It limits creativity.

CAREER AND LEARNING SELF-RELIANCE



INDEPENDENCE



AUTONOMY



ABILITY



SELF-RELIANCE

21st-century learning – a new balance between:

Teacher-directed	Learner-centered
Direct instruction	Interactive exchange
Knowledge	Skills
Content	Process
Basic skills	Applied skills
Facts & principles	Questions and problems
Theory	Practice
Curriculum	Projects
Time-slotted	On-demand

21st-century learning – a new balance between:

One-size-fits-all	Personalized
Competitive	Collaborative
Classroom	Global community
Text-based	Web-based
Summative tests	Formative evaluations
Learning for school	Learning for life

The NEP 2020 advocates development of these skills through the reformed curriculum.

There are 12 skills listed under this set:



**CRITICAL THINKING,
CREATIVITY,
COLLABORATION,
COMMUNICATION,
INFORMATION LITERACY,
MEDIA LITERACY**



**TECHNOLOGICAL LITERACY,
LEADERSHIP,
INITIATIVE,
PRODUCTIVITY,
SOCIAL,
FLEXIBILITY.**



The **first four C's** of the 21st century skills come under a subset called **'learning skills'**.

**CRITICAL THINKING,
CREATIVITY,
COLLABORATION,
COMMUNICATION,**



How does critical thinking contribute to effective decision-making?

- a) By relying on intuition alone
- b) By avoiding analysis
- c) By evaluating options and considering consequences
- d) By following a predetermined course of action

What is a key characteristic of successful collaborative teams?

- a) Limited communication
- b) Homogeneous thinking
- c) Diverse skills and perspectives
- d) Strict hierarchy

Critical thinking - being able to **think clearly, logically and rationally.**

A skill set to **critically analyze information** without taking anyone's word for it.

The **absence** of critical thinking often leads to **misinformation, fake news, false narratives and creates unrest in the society.**

Reformed curriculum would foster the development of critical thinking among learners.



Creativity is “the use of imagination or original ideas to create something”.

Everyone has different ways of thinking and can apply their own thoughts and ideas to solve a certain problem.

Every child can be creative in his or her own way.

When students use resources available along with imagination and emotions and are freely allowed to express themselves.

As long as the mind is open, creativity can blossom in all.



Collaboration is to **work with someone for a productive cause.**

Everyone gets an **opportunity to contribute** equally, and everyone is **accountable for the outcomes.**

A sense of **shared responsibility**, but allows people to consider **multiple perspectives**, **avoid biases** and **acknowledge** each other's strengths and weaknesses.

Working in **isolation is often unproductive** and that **team-work is essential** in society.



Communication -expressing oneself in **clear words** and making oneself heard.

Understanding what others say, being **patient listeners** and considering **multiple perspectives**, **avoiding biases and prejudices**.

Words are not the only tools of effective communication.

Pictures, gestures and at times **silence** also speak volumes!

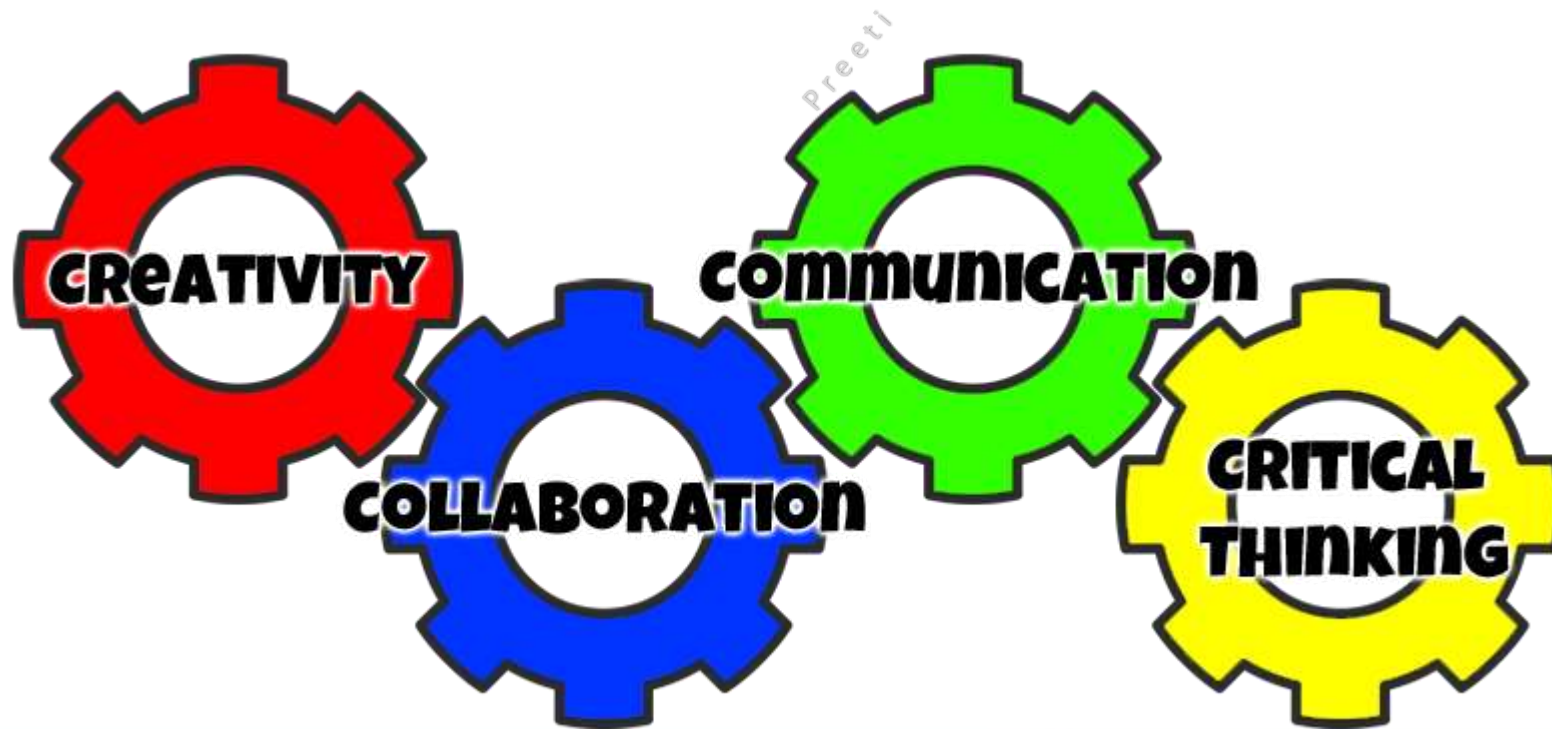
As the NEP 2020 aims at making learning **student-centered**, communication would play a major role in shaping student-centered education.



Which scenario best exemplifies successful collaboration?

- a) Team members working in isolation
- b) A team with diverse skills and perspectives working together toward a common goal
- c) A team with limited communication
- d) A team with a strict hierarchy and centralized decision-making

Interestingly, **collaboration** offers a wide scope for **communication** as well as **critical thinking**. **Creativity** is also something that one can develop with **collaboration**. All the **four C's** developed together can make learning an enjoyable experience.



1. In the 21st century, what role do communication skills play?

- 1.a) They are less important than technical skills.
- 2.b) They are crucial for success in personal and professional contexts.
- 3.c) They are only relevant in specific industries.
- 4.d) They are limited to verbal communication.

2. What does PBL stand for in the context of 21st-century education?

- 1.a) Problem-Based Learning
- 2.b) Personalized Learning Blueprint
- 3.c) Progressive Business Leadership
- 4.d) Public Behavior Literacy

21st-century learning and innovation skills matter today, because of the following reasons:

- **Soft skills drive success** in high-level courses and workplaces
- Students are being **prepared for jobs that are not yet popular** today.
- The internet era has made vast information accessible to students. They need to have the skills to **process and analyze** this information.
- Students need to understand **practical application** to efficiently solve complex problems

All these skills are classified into the following categories:

- **Learning Skills:** These include critical thinking, creativity, communication, and collaboration skills.
- **Life Skills:** These include learning to be flexible, social, productive, and a good leader.
- **Literacy Skills:** These involve learning about technology and media to be well-equipped with information technology.

Conclusion-

Implementing the above strategies can help students acquire 21st-century skills besides the regular knowledge from textbooks. Initially, some may find it tough to adjust to this new learning method but gradually, it will make them feel empowered. They will begin to think critically and creatively and be better suited to grow in the competitive world by efficiently facing challenges.

