



PRESENTS  
55th Fortnightly Workshop  
on

# IMAGINATION TO INNOVATION: Creative Problem-Solving

By: **Ms. Muskaan Makkar**  
(Clinical Psychologist)

For Students from Classes 5th to 12th  
(Parents/Teachers can also Participate)

JOIN US



**JULY 4TH,**  
**04:00 PM IST**



zoom



LIVE  
STREAM



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**KNOWLEDGE AND AWARENESS MAPPING PLATFORM**

**KNOWLEDGE SESSION 2024: EPISODE 55**

Organized By: Knowledge & Awareness Mapping Platform (KAMP)  
In Knowledge Alliance with CSIR -NIScPR and M/s NCPL

**Topic:** Imagination to Innovation: Creative Problem Solving

**Category:** Academic Development

**Speakers/Presenters:** Ms. Muskaan Makkar

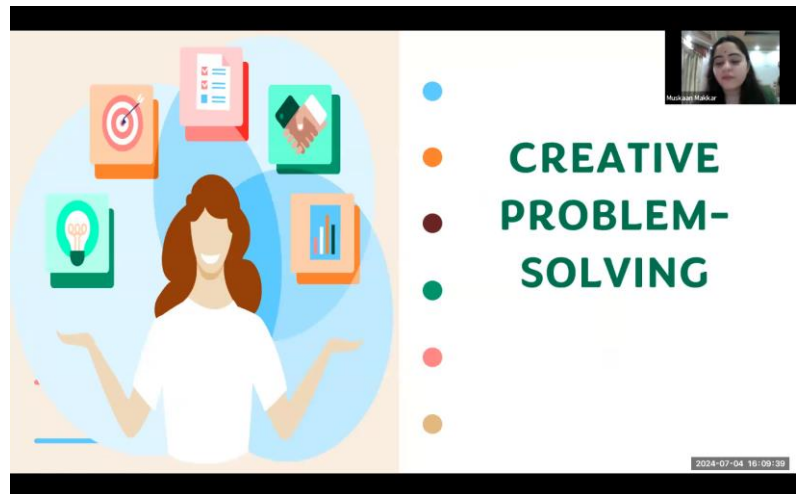
**Organized for:** Students

**Date:** July, 04th, 2024

**No. of Participants:** 500+ Students from different schools across India

**Overview:**

On July 04th, 2024, KAMP hosted its 55th knowledge-sharing session, themed "Imagination to Innovation: Creative Problem Solving." The session attracted over 500 students from various schools across India. The esteemed speaker, Ms. Muskan, an RCI Licensed Clinical Psychologist, shared strategies and techniques to enhance creative problem-solving skills, guiding students on how to be more creative and apply these skills in everyday scenarios.

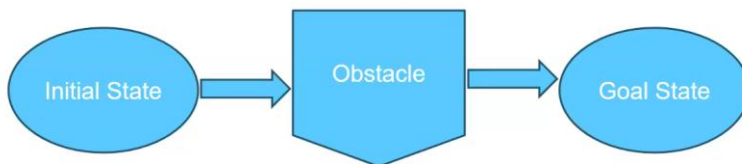


Creative problem-solving is an essential skill that empowers students to tackle challenges with innovative solutions. It is a vital component of child learning and development, fostering the ability to think critically and adapt to various situations both inside and outside the classroom. By developing these skills, students can enhance their academic performance and establish a strong foundation for future success in their personal and professional lives.



Problem Solving refers to the mental process people go through to discover, analyze, and solve problems.

**Nature of Problem**



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In this workshop, Ms. Muskan covered various strategies and techniques to enhance creative problem-solving skills. She shared her expertise on fostering creativity, developing problem-solving abilities, and implementing these skills in everyday scenarios. The session also emphasized the importance of a supportive learning environment that nurtures curiosity and innovation.

During this session, Ms. Muskan discussed several critical topics related to problem-solving, including:

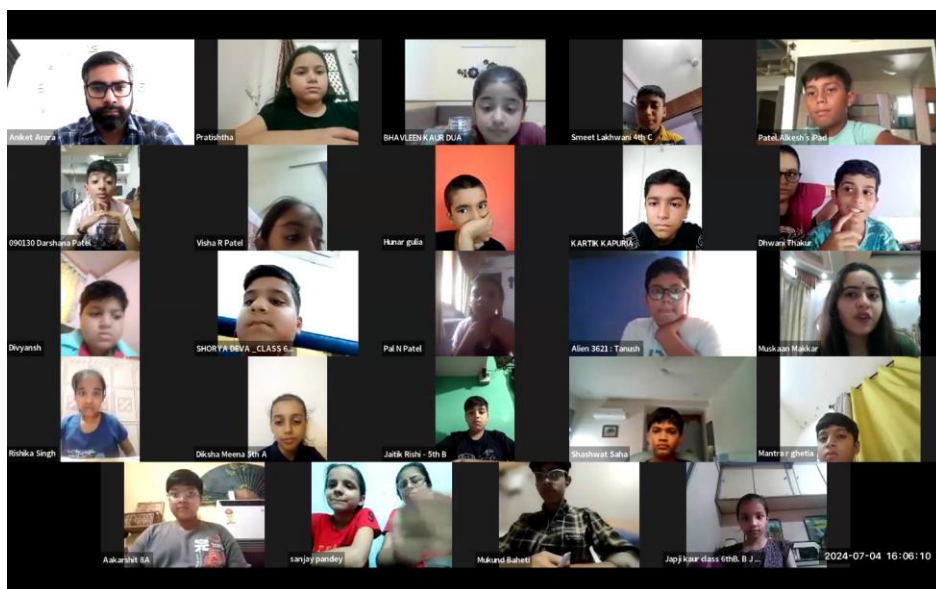
- **Understanding Problems:** The definition of a problem and the importance of identifying and understanding it thoroughly.
- **Problem-Solving Methods:** Various methods and strategies such as trial and error, logical reasoning, and the means-end heuristic.

**Understanding Problem**

- 1) paying **attention** to the relevant information;
- 2) methods of **representing the problem**;
- 3) **situated cognition**, which emphasizes how context helps you understand a problem,

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- **Cognitive Approaches:** How attention, representation, and cognition play roles in problem-solving.
- **Visualization Techniques:** Using symbols, diagrams, visual images, matrices, and tables to understand and solve problems.
- **Problem-Solving Strategies:** Techniques such as the analogy approach, hill climbing, chunking (breaking problems into smaller parts), and logical reasoning.
- **By incorporating these strategies, students can enhance their ability to solve problems creatively and effectively, paving the way for academic and personal growth.**



KAMP's fortnightly workshops aim to help students develop creativity, meaningful learning, and critical reading and thinking skills, bringing out their inherent abilities. The vision of KAMP is to identify

and capture the Scientific and Technological temperament in students, contributing to making India a Global Leader in the fields of science, technology, and the humanities.

These workshops, conducted by KAMP, cover various topics falling under the categories of science, technology, and innovation, Scientific and Life Skills, Career and Professional Development, Academic development, and training trainers and teachers.

KAMP believes that exposure to such topics from experts within specific fields helps students become aware of real-life situations and challenges, develop a problem-solving nature, understand their core values and personal interests, evaluate their skills within the given area, and achieve their best in their most desirable way.

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**Organized By:**

**Knowledge and Awareness Mapping Platform**  
(KAMP Operations and Coordination Office)

**Team Credits:**

**Ms. Arika Mathur**  
(Member, KPMC)

**Moderated By:**

**Mr. Aniket Arora**  
(Outreach Coordinator, KAMP)