

HOTS (Higher Order Thinking Skill)

(گورنمنٹ ایلیمنٹری سکول چورواہ مرکز و تحصیل مہروڑ پکا ضلع لودیراں)

Module: 1

1,2	Videos						
3	Self-Assessment	All Yes					
4	Video						
5 100%	1	What is the main goal	A. To make Students				
	2	In Student-Centered	D. Helps and guides				
	3	What is a common feature	B. Group Dissection and				
	4	What is Important to display	B. To show students their				
	5	How are students assessed inn	C. Through performance- bases task.				
6	Video		Contact on Whatsapp: 0301-8484630				
7 (1.3)C	1	Which HOTS skill	I want to emphasize analysis because it helps students think deeply, break ideas into parts, identify patterns, and understand reasons. Strengthening this skill builds critical thinking, Supports real-life problem-solving, and promotes confident, independent learning.				
	2	What small change Can you	I will add one higher-order thinking question at each lesson's end to move beyond recall. Asking students to compare, justify, or create solutions will boost analysis, deepen Understanding, and build confident participation.				
8	Video						
9	The module highlights that HOTS grows through strong classroom management, meaningful strategies, thoughtful planning, active engagement, and continuous feedback. Using discussions, problem-solving, and Real-world tasks helps students think critically, express ideas confidently, and learn independently.						
10	Video						
11 (100%)	1	The teacher started the lesson	True	2	The teacher frequently used	Agree	
	3	The teacher clearly started	True	4	The lesson including a mix of pair work	Agree	
	5	Techniques like brainstorming	False	6	The teacher effectively utilized the board To	Agree	
	7	A model or simple note Was	True	8	The teacher did not give clear instructions	Disagree	
	9	There was a structured routine	True	10	The teacher teaching methods were Passive	Disagree	
12	PDF						
13 (1.5)b	Choose an activity you want to use	I will use Think–Pair–Share to build participation and confidence. Students first think individually, then discuss in pairs, and finally share with the class. This strategy Supports communication, deeper understanding, and involvement from all learners.					
	How would you adapt the group	To support diverse learners, I will use diagrams and videos for visual learners, hands-on models for kinesthetic learners, and guided discussions for auditory learners. These Varied approaches help all students understand particle arrangements effectively.					
14 (100%)	1	Which one of these not child-centered		Students reproduce what their			
	2	Which one of these skills involves deeper skills thinking?		Higher order thinking skills.			
	3	In primary education lesson with HOTS which of these Are		Option A, B & D			
	4	Which tape of higher order thinking skills are		All of the above.			
	5	Effective teaching involves		Both HOTS and foundational skills.			
	6	Are HOTS and foundational skills linked With each other?		Yes	Contact on Whatsapp: 0301-8484630		
	7	Which of the following indicates a classroom		Option C & D			
	8	Remembering is the tape of skills.		Foundational skills			

	9	Understanding is the tape of skills?	Foundational skills	Contact on Whatsapp: 0301-8484630
	10	Analyzing is the tape of skills?	Higher order thinking skills.	
	11	Appling is the tape of skills?	Higher order thinking skills.	
	12	Evaluating is the tape of skills?	Higher order thinking skills.	
	13	Creating is the tape of skills?	Higher order thinking skills.	
15 100%	1	Creativity	Using imagination to find new ways	Contact on Whatsapp: 0301-8784630
	2	Critical thinking	Ability to question	
	3	Analytical thinking	Breaking information into parts and	
	4	Problem-Solving	Identifying challenges /issues	
16 100%	Remembering		ONE	Contact on Whatsapp: 0301-8784630
	Understanding		TWO	
	Applying		THREE	
	Analyzing		FOUR	
	Evaluating		FIVE	
	Creating		SIX	
17	PDF			
Module: 2				
1	Video		0301-8784630	
2	Self-Assessment (As you wish)			
3	How well am I promoting critical thinking in the Classroom	You're promoting critical thinking effectively by encouraging questioning, exploring multiple viewpoints, and connecting ideas to real-world situations. Strengthening student-led discussions and reflective activities could further Depend analytical skills and independent reasoning. 0301-8784630		
	What could i do better to encourage more Critical thinking?	You can strengthen critical thinking by giving students more open-ended tasks, encouraging evidence-based reasoning, and fostering collaborative problem-solving. Integrating reflection, debate, and real-life scenarios will deepen their inquiry and analytical engagement. 0301-8784630		
	How can i Make improvement to my current teaching Practice?	You can improve your teaching by using more student-centered strategies, integrating formative feedback, and adapting lessons to diverse needs. Encouraging inquiry, reflection, and active participation will enhance engagement and deepen understanding. 0301-8784630		
4	Video	Contact on Whatsapp: 0301-8784630		
5	What is a game?	A game is an activity with rules, goals, and challenges where players make decisions or Take actions to achieve an outcome. It can be played for fun, learning, competition, or skill development. 0301-8784630		
	Why do people become so passionate about watching others play games, and what Drives their emotions?	People become passionate about watching games because they feel connected to the players, enjoy the excitement of competition, and experience emotions like hope, tension, and pride. Shared moments and Unpredictability makes the experience deeply engaging.		
	One does a group of individuals truly become a Team and how do know they are a team?	A group becomes a true team when members share a common goal, trust each other, and collaborate effectively. You know they are a team when they communicate well, support one another, and work toward success Together. 0301-8784630		
	Why can't the people in the stands join the Game on the field?	People in the stands can't join the game because only trained players are allowed on the field. Letting spectators participate would break rules, create- Safety risks, and disrupts the fairness and flow of the game. 0301-8784630		
6	Video		0301-8784630	

7 (100%))	<p>Ms. Ali is teaching a 5th-grade math class about solving simple word problems involving addition and subtraction. Some students can solve the problems quickly, but others struggle to understand the steps and often Make mistakes when applying the math. Ms. Ali notices that some students Tend to skip important information in the word problems or do not know where to begin. Which strategy would be most helpful for improving problem-solving skills and encouraging students to think critically about Word problems? 0301-8784630</p>	<p>Model the Problem-Solving Process: Ms. Ali could solve a word problem in front of the class, explaining each step and showing how to identify important information</p>
	<p>Ms. Khan is teaching her 3rd-grade students about different types of animals and their habitats. While most students can recall facts about various animals, some are struggling to explain why animals live in certain habitats or how they adapt to their environment. Ms. Khan wants to encourage her students to think more deeply about these connections. What strategy would be most effective in promoting critical thinking and helping students make connections between animals and their habitats? 0301-8784630</p>	<p>Ask Open-Ended Questions: For example, "Why do you think lions live in grasslands and not in the jungle?" or "How do you think polar bears are adapted to live in cold Climates?"</p>
	<p>Ms. Zainab is teaching a lesson on the differences and similarities between mammals and reptiles to her 4th-grade class. Some students are having difficulty understanding how to compare and contrast these two groups of animals. They are confused about which characteristics are shared and which are unique to each group. Ms. Zainab wants to help her students develop a better understanding of how to identify key similarities and differences between the two. What strategy would be most effective in helping students improve their ability to compare and contrast mammals And reptiles? 0301-8784630</p>	<p>Venn Diagram: Ms. Zainab can use a Venn diagram to visually show the shared and unique characteristics of mammals and reptiles, helping students easily compare and contrast.</p>
	<p>Mr. Ahmed is teaching a science lesson on the water cycle to his 4th-grade class. During the lesson, a few students started asking questions about what would happen if there were no rain. Some students, like Ali and Sara, are curious about how plants would survive, while others, such as Hassan and Zainab, wonder how rivers and lakes would be affected. Mr. Ahmed realizes this is a great opportunity to encourage critical thinking by exploring different outcomes based on this "What-If" scenario. What strategy would be most effective in helping students explore the "What-If" scenario and deepen their understanding of the water cycle?</p>	<p>Predictive Problem Solving:Mr. Ahmed could ask students like Ali and Sara to predict what would happen in different scenarios (e.g., no rain for a month, or no rain at all) and have them justify their predictions based on what they've learned about the water Cycle.</p>
8	PDF	
9	<p>Analyze the selected lesson and identify how it promotes higher-order thinking skills like analysis, evaluation, and creation</p>	<p>The lesson promotes higher-order thinking by encouraging students to analyze information, justify predictions, and evaluate possible outcomes. It also supports creation as students generate ideas, propose solutions, and explore alternative scenarios using critical Reasoning. 0301-8784630</p>
	<p>Debate whether they provide sufficient opportunities for students to evaluate, innovate, or Synthesize ideas.</p>	<p>The activities offer good opportunities for students to evaluate and justify ideas, but they could include more tasks requiring innovation or synthesis, such as creating models, designing solutions, or Combining concepts in new ways. 0301-8784630</p>
	<p>Discuss how the selected activities could have been adapted to encourage higher- order thinking in that situation</p>	<p>The activities could be adapted by adding tasks that require students to compare scenarios, design alternative solutions, create models, or debate outcomes. This would deepen analysis, evaluation, and Synthesis, enhancing higher-order thinking. 0301-8784630</p>

<p>10 2.5(C)</p>	<p>Read the following Scenario: Select a critical thinking strategy from the session, design an activity for primary-level students that incorporate it, and create an implementation plan detailing the activity's objectives, steps, student engagement methods, and assessment criteria.</p> <p>Reflect on the implementation by noting what worked well, challenges faced, and student responses. Q1: Share your response below and in the DISCUSSION FORUM</p>	<p>I selected “Think–Pair–Share” as a critical thinking strategy. I designed a question-based activity, guiding students to think individually, discuss in pairs, and Share with the class. Engagement, Understanding and participation were observed and reflected upon.</p>
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11 100%	Q.1 Which of the following best represents the essence of critical thinking?	b. Evaluating evidence, analyzing assumptions, and considering alternative perspectives
	Q.2_ Which of the following is a sign that someone is NOT using critical thinking?	b. They rely solely on personal beliefs and ignore contradictory evidence 0301-8784630
	Q.3. What is the potential drawback of a teacher using only one critical thinking strategy in the classroom?	a. It may hinder students from exploring diverse ways of thinking 0301-8784630
	Q.4. Which character is would NOT typically be found in a critical thinker?	b. A tendency to quickly reject ideas that do not align with personal beliefs 0301-8784630
	Q.5. Why is it important to introduce critical thinking strategies the primary level?	c. To help students develop reasoning skills that are foundational for lifelong learning
	Q.6. which of the following scenarios demonstrates the use Of a critical thinking strategy?	b. Encouraging students to discuss the pros and cons of a topic before making a decision
	Q.7. What is the role of "questioning as assumptions" in critical thinking?	b. It helps people to recognize and challenge preconceived ideas or beliefs
	Q.8. which of the following is NOT an effective critical Thinking strategy in the classroom?	b. Requiring students to restate information exactly as taught 0301-8784630
	Q.9. which strategy can be MOST effective for helping Students develop critical thinking skills when solving real-world problems?	c. Encouraging collaborative group work where students discuss and reason out possible solutions
	Q.10. How can comparing and contrasting different ideas or viewpoints help students develop critical thinking skills?	b. It helps students examine the strengths and weaknesses of each viewpoint, fostering deeper Understanding and evaluation.
12	Video	
13,14	PDF	

Module: 3

1	Video	0301-8784630
2 (3.2)	Q.1. What type of teaching method did the teacher mostly use in the Lesson?	C. Direct instruction.
	Q.2 Which important step was missed during the activity.	A. Given students objects to Explore themselves.
	Q.3. Which skill did the teacher NOT encourage During the activity?	D. Hands-on exploration.
	Q.4. How could the teacher improve the lesson to encourage Analytical thinking?	A. Let students touch the Objects and describe them.
	Q.5. What questioning technique would promote analytical thinking in this scenario?	A. How does this object feel when you touch it?
	Q.6. Which method was missing that could improve students thinking process.	A. Active participation 0301-8784630

	Q.7. What kind of questions would promote higher-order thinking?	B. Why do you think the sponge Feels soft?
	Q.8. Why is it important for students to touch objects in this activity.	A. It helps them explore and Think critically.
	Q.9. Which teaching approach was NOT used but would improve the Activity?	A. Inquiry-based learning. 0301-8784630
	Q.10. How could the teacher encourage students to compare objects?	A. By asking which object is Softer, the sponge or the rock?

3	Video	0301-8784630
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Q.1. What is the primary goal of teaching analytical Thinking to students?	B. Solving problems logically. 0301-8784630
Q.2. Which of the following is not a component of a Analytical thinking?	C. Guesswork 0301-8784630
Q.3. How does analytical thinking benefit students?	B. It improves their logical reasoning and decision making skills.
Q.4. Which activity best promotes analytical thinking in a Primary school classroom?	B. encouraging group discussions about Stories moral. 0301-8784630
Q.5. What roll does observation play in analytical Thinking?	B. It helps students gather information an identify patterns. 0301-8784630
Q.6. Why is encouraging teachers to model analytical Thinking important?	D. It demonstrates how to approach problems systematically. 0301-8784630
Q.7. which of the following is a sign that a student is Developing analytical skills.	B The student asks questions to understand the root cause of a problem.

5	Video
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6	1	Discuss and list the characteristics of each plant like sunlight, water needs?	Breaking information
	2	Choose a plant based on the class's needs and the environment.	Deciding
	3	Compare the pros and cons of each plant based on the information you Gathered.	Brainstorming
	4	Find out what the garden environment (space, light, soil) is like and what plants would grow bed	Interpreting

7	Video	0301-8784630
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8	1	Effective decision-making involves identifying the problem, gathering relevant information, comparing possible options, weighing pros and cons, selecting the best choice, and reflecting on the outcome to Improve future decisions. 0301-8784630
	2	I will use collaborative learning because it encourages student participation, builds communication skills, and promotes shared problem-solving. This strategy helps students learn from diverse ideas, engage Actively, and take responsibility for their learning. 0301-8784630

9	PDF	0301-8784630
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10	The lesson went well, and students engaged actively in discussion and decision-making. They enjoyed working in groups and evaluating options. I learned that structured guidance improves participation and deeper Thinking. 0301-8784630
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11	1	Which of the following best demonstrates analytical thinking in the in the 3D dice-making activity?	B. Students brainstorming different shapes and evaluating pros and cons.
	2	In the traffic sign activity. What decision-making process is involved when students decide where to place traffic signs?	C Surveying areas, discussing, and suggesting appropriate Signs. 0301-8784630

	3	Which method best promotes collaborative decision-making, in the traffic sign activity?	C. Group discussion after observing the assigned areas 0301-8784630
	4	In the friction experiment, asking students, Why did the car travel farthest on a smooth surface?	C Analytical thinking and Reasoning. 0301-8784630
	5	Which of the following is an example of problem-solving in the Friction experiment?	B. Rolling the car on one surface only 0301-8784630
	6	While working on the traffic sign design project, students analyze traffic conditions around the school. Which of the following demonstrates analysis?	B Observing areas, noting traffic behavior, and proposing signs Accordingly.

12 PDF

13 3.7 c	1	To develop analytical thinking, teachers should encourage students to engage -----	Problem solving
	2	-----help students learn to analyze different perspectives and reach a Consensus.	Group discussion
	3	Using----- make abstract concept easier to understand and apply.	Real life example
	4	Encouraging----- allows students to generate multiple solutions to a problem.	Brain storming
	5	Activities that promote -----are effective for teaching decision-making skills.	Collaboration
	6	Teaching strategies should focus on----- rather than rote memorization	Creativity
	7	Allowing time for ----- helps students evaluate their decisions and think critically.	Reflection
	8	----- can simplify complex ideas and support analytical thinking.	Visual aids
	9	Role-playing scenarios are an excellent way to build----- in students.	Decision making
	10	Structured task that involve collaboration foster teamwork and -----.	Critical thinking.

14 3.7 c	1	What strategy did the teacher use when engaging students to clean up the Trash pile and understand the problem? 0301-8784630	A. Brainstorming 0301-8784630
	2	Which strategy encouraged students to come up with creative solutions like Making art projects and plant holders from recycled materials.	B. creative thinking
	3	When students proposed placing bins and designing posters, which decision-Making strategy was used?? 0301-8784630	A. Problem solving
	4	What approach was applied when students made posters to spread awareness About cleanliness? 0301-8784630	A. Hands-on activity
	5	The teacher helped students reflect on the long-term impact of their Cleanliness drive. Which strategy does this reflect? 0301-8784630	B. Reflective thinking
	6	What type of learning strategy was used when students participated in Cleaning the trash outside the school? 0301-8784630	A. Experiential learning
	7	Which analytical thinking skill was developed when students suggested Separating recyclable items from trash? 0301-8784630	B. Categorization
	8	Which approach reflects the teachers decision to turn the project into a School-wide campaign? 0301-8784630	C. Collaborative Learning

PDF

Module: 4**Video 2. Self-Assessment (All —Yes or as you wish)****3 Video 0301-8784630**

4 4.3	1	What is the main problem that needs to be solved? What are the possible solutions to this problem?	Main problem: Students must choose the most suitable plant for the class garden. Possible solutions: Compare plant needs, evaluate pros and cons, consider classroom environment, and select the plant that best matches available sunlight, water, and care conditions.
	2	How could characters have worked together to preserve the bridge and find a solution that benefited every involved?	They could have communicated openly, shared resources, and respected each other's needs. By cooperating, planning together, and dividing tasks fairly, they could preserve the bridge and create a solution that supported everyone Involved. 0301-8784630
	3	What might have happened if the characters had approached the situation with a collaborative mindset instead of a competitive One?	If the characters had approached the situation collaboratively, they might have shared ideas, pooled resources, and supported one another. This cooperative mindset could have prevented conflict, protected the bridge, and led to a mutually beneficial Solution. 0301-8784630
	4	How did the character's emotional responses, anger, frustration, hinder their ability to think critically and solve the problem?	The characters' anger and frustration clouded their judgment, making them react impulsively instead of thinking logically. Their emotional tension prevented them from communicating clearly, considering alternatives, and finding a cooperative solution to the Problem. 0301-8784630
	5	What alternative problem-solving techniques like brainstorming or trial and error could have helped the characters come up with a Creative solution?	The main problem is the characters fighting over the bridge instead of sharing it. Possible solutions include taking turns, building another crossing, cooperating to widen the bridge, or calmly discussing a fair plan. 0301-8784630
	6	What initial problem-solving strategies could the characters have used to resolve the bridge Dilemma before tensions escalated?	The characters could have begun with calm communication, identifying the shared need to cross safely. By discussing options, taking turns, or cooperatively adjusting their paths, they might have avoided conflict and preserved the bridge peacefully. 0301-8784630

5	Video		
6 4.3 D	1	What are the key takeaways you gained from this video?	Clear problem identification, collaborative discussion, active listening, respectful communication, creative idea generation, critical thinking, evaluating options, and choosing solutions that support teamwork, Fairness and the learning needs of all students. 0301-8784630
	2	How can you apply these problem-solving skills in your classroom?	Problem-solving skills can be applied in the classroom by encouraging students to identify issues, think critically, explore multiple solutions, collaborate with peers, reflect on outcomes, and apply strategies Independently during learning tasks. 0301-8784630
	3	Based on your reflection, write at least three actionable steps you can take to implement problem-solving skills in Your classroom?	Effective classroom problem-solving includes clear communication, identifying the issue, gathering information, generating options, evaluating solutions, and reflecting on outcomes. Collaboration, patience, and critical thinking help students approach challenges confidently and responsibly. 0301-8784630
7	PDF		
8 4.4 b	1	After watching the video take a few minutes to reflect on the following question? 0301-8784630	The lesson effectively integrates problem-solving by engaging students in analyzing key concepts, synthesizing ideas through guided tasks, and applying knowledge in meaningful activities that encourage reasoning, decision-making, and active participation Throughout the learning process.
	2	For lesson analysis, evaluate selected lesson to determine how it integrates problem solving techniques. Look for opportunities where students are actively engaged in analyzing, synthesizing, and applying information from the lesson Content? 0301-8784630	The lesson effectively integrates problem-solving by engaging students in analyzing key concepts, synthesizing ideas through guided tasks, and applying knowledge in meaningful activities that encourage reasoning, decision-making, and active participation throughout the learning process.
	3	Problem solving opportunities assess whether the lesson encourages students to approach the material with a solution-oriented mindset where they need to break down the task, gather evidence and Think through possible solutions?	The lesson promotes a solution-oriented mindset by guiding students to break down tasks, gather relevant evidence, analyze options, and thoughtfully consider Multiple possible solutions before reaching informed conclusions. 0301-8784630
	4	Debate whether they provide sufficient opportunities for students to evaluate, innovate, or synthesize ideas? 0301-8784630	The lesson offers adequate opportunities for students to evaluate information, explore innovative approaches, and synthesize ideas through collaborative tasks, reflective questions, and activities that require deeper reasoning and creative problem-Solving.

9	Video		0301-8784630
10 4.5 B	1	What are the takeaways you gained? Think about the strategies we discussed and consider how they align with your current teaching approach? 0301-8784630	I learned the value of structured problem-solving, student-led inquiry, and critical thinking. These strategies align well with my teaching approach by Reinforcing active learning, guided questioning, and opportunities for students to reason independently.
	2	How can you apply these problem-skills in your classroom to help your students think critically, work through challenges, and develop their problem-solving abilities? 0301-8784630	I can apply these skills by using open-ended tasks, encouraging student questioning, modeling step-by-step reasoning, and creating collaborative activities that require analysis, reflection, and solution-building To strengthen critical-thinking and problem-solving abilities.
11,12,13	PDF		0301-8784630
14 4.5 F	1	Reflect on your practice and think in what ways problem solving applies to real-world Scenarios? 0301-8784630	Problem-solving mirrors real-world situations by teaching students to analyze issues, consider multiple options, make Informed decisions, and adapt to challenges—skills essential for everyday tasks, workplace demands, and lifelong learning.
	2	What strategies do you use when you encounter a problem? Are there particular methods like trial and error, brainstorming, or systematic analysis That work best for you? 0301-8784630	I typically begin by analyzing the problem, brainstorming possible approaches, and testing solutions through trial and error. Systematic analysis Helps me refine ideas and choose the most effective, practical strategy for resolution.
	3	How do tools and technology support problem solving today? What role do you think emerging technologies will play in future Problem solving? 0301-8784630	Tools and technology support problem-solving by offering quick access to information, modeling complex ideas, and enabling collaboration. Emerging technologies will enhance Efficiency, automates tasks, and expands creative, data-driven approaches to future challenges.
15 4.6 A	1	Which of the following best describes the brainstorming technique In problem-solving? 0301-8784630	B. Gathering creative ideas from multiple individuals
	2	If a teacher is facing a problem where several students are not Understanding a lesson, what is the most suitable problem-solving strategy?	B. Brainstorming
	3	A teacher needs to solve a problem where students are not participating in class discussions. Which technique should the teacher use to identify the Reasons and possible solutions? 0301-8784630	C. Brainstorming
	4	A teacher notices that some students consistently struggle with completing assignments on time. The teacher tries various methods, such as offering extra help, changing deadlines, and providing peer support, until one method works for the class. What problem-solving strategy is the teacher using? 0301-8784630	C. Trial and error

5	A student is confused about a complex math problem. The teacher first gives the Solution to the problem and then works backward through the steps, explaining how the solution was reached. Which problem-solving strategy is being applied?	C. Working backward
6	A teacher is planning a class project that involves different tasks like researching. Creating a presentation, and summarizing findings. The teacher divides these tasks among students, giving them specific roles to focus on. What problem-Solving approach is being used here? 0301-8784630	C. Divide and conquer

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16 4.6 B	1	Describe how a teacher could use brainstorming to improve student engagement in a classroom activity. 0301-8784630	A teacher can use brainstorming by inviting all students to share ideas freely, encouraging creativity, valuing every contribution, and building on suggestions, which increases Participation, ownership, and excitement in the learning activity.
	2	Explain why working backward can be an effective problem-solving technique in a classroom Setting. Provide an example.	Working backward is effective because it helps students clarify the desired outcome, identify missing steps, and plan logically. For example, solving a math word problem by Starting from the final answer strengthens reasoning.
	3	How can the divide and conquer technique help a teacher address individual learning needs in a Diverse classroom? 0301-8784630	Divide and conquer helps a teacher break tasks into smaller, manageable parts and group students by needs. This allows targeted instruction, personalized support, and focused practice, improving learning for diverse learners.
	4	What are the benefits of using trial and error as a problem-solving strategy in teaching? 0301-8784630	Trial and error helps students explore ideas freely, learn from mistakes, and build resilience. It encourages active participation, strengthens understanding through experimentation, and supports deeper learning by allowing Students to discover effective solutions independently.
17,18,19	PDF		

Module 5

1&2		Video		0301-8784630		
3 5.2	1	What was the purpose of Ms. Aminas Activity in the classroom?	C. To encourage students to think creatively and solve problems			
	2	How did Ms. Amina encourage her students To think innovatively during the activity?	B. By challenging them to use recycled materials and think outside the box			
	3	What was the main lesson Ms. Amina wanted her students to learn from the Activity? 0301-8784630	C. Using creativity and teamwork to solve real-world problems			
	4	What key skill were students practicing When they worked in groups to solve the challenge? 0301-8784630	A. Leadership and teamwork			
	5	What advice did Mrs. Khan give Ms. Amina About her teaching style? 0301-8784630	B. To encourage group collaboration and reflection for promoting innovation			
4		PDF0301-8784630				
5 5.3(A)	Step 1	Identify the problem		6 5.3 B	Step 1	Create an Open Environment
	Step 2	Brainstorm ideas			Step 2	Ask open ended question
	Step 3	Develop a plan			Step 3	Encourage collaboration
	Step 4	Test the solution			Step 4	Provide Meaning Feedback
7 5.3(C)	Step 1	Define the problem		8 5.3 D	Step 1	Recognize the need for change
	Step 2	Gather information			Step 2	Explore New Ideas
	Step 3	Generate solution			Step 3	Test the ideas
	Step 4	Choose the best solution			Step 4	Implement the innovation
9 5.3 E	1	Creativity is only for talented individual.	Skills can be learned			
	2	Creativity is limited to the art.	Applies in every subject			
	3	Creativity requires knowledge.	Field of knowledge is necessary			
	4	Creativity means major breakthrough.	Thinking skills are required.			
10		Video				
0301-8784630						
11 5.4 B	1	Which strategy did you like The most and why? How will you use it in your Classroom? 0301-8784630	I liked the brainstorming strategy most because it encourages creativity, participation, and diverse ideas. I will use it by letting students share thoughts freely, then organize and refine ideas together.			
	2	How has this session changed your thoughts on encouraging Creativity? What new ideas will You try in your classroom?	This session strengthened my belief that creativity grows through open, supportive activities. I'll try flexible tasks, idea-sharing circles, and visual thinking routines to help students Explore, experiment, and express ideas more confidently.			
12		PDF 0301-8784630				
13 5.5(1)	1	Why did you choose this activity, how would you implement it in your class? 0301-8784630	I chose this activity because it promotes engagement and active learning. I would implement it by giving clear instructions, modeling the task, guiding group work, and allowing students to share their outcomes.			

	2	Will you change the activity according to your school/grade? If yes, why? “If No then share reasons.	Yes, I will adapt the activity to my school and grade because students’ abilities and classroom context differ. Adjusting difficulty, timing, and examples will ensure better understanding and meaningful participation.
14 5-5(2)	1	Q1: Why did you choose this activity, how would you implement it in your class? 0301-8784630	I chose this activity because it supports active participation and helps students think independently. I would implement it by giving clear steps, guiding practice, encouraging collaboration, and allowing students to present their ideas.
	2	Q2: Will you change the activity according to your school/grade? If yes, why? If no then share reasons.	Yes, I will adjust the activity because each grade has different learning needs. Modifying instructions, difficulty, and examples will help students understand better and stay actively engaged in the task.
15,16,17	Videos		
18 5.5(3)	1	What were students learning? How did you find the activity? Give reasons. 0301-8784630	Students were learning to think critically, share ideas, and collaborate effectively. I found the activity engaging because it encouraged participation, supported different learning styles, and helped students understand concepts through active involvement.
	2	What activity were the students performing, and what strategies do you think were used throughout the process to help Students deliver a presentation?	The students were preparing a group presentation. Strategies used included brainstorming, organizing ideas, rehearsing together, using visual aids, and receiving teacher guidance to improve clarity, confidence, and teamwork during the presentation.
19 5.6	1	You are teaching a science lesson on plant growth. Instead of just explaining the process through text, you decide to incorporate role-playing where students act as different parts of the plant (roots, stem, leaves, etc.): They also explore the topic by planting seeds and observing Them over a few weeks. How does this approach align with creative and innovative teaching methods? 0301-8784630	b) It encourages active participation and hands-on learning through Role-playing and inquiry.
	2	During a lesson on math, you introduce a project-based learning (PBL) activity where students design a simple budget for a class event. They need to research costs, allocate resources, and present their plan to the class. This method encourages them to apply decision-making, math, and teamwork skills. How would you assess the effectiveness of this activity in fostering creativity and Innovation? 0301-8784630	a) The activity encourages critical thinking, problem-solving, and real-world application, which promotes creativity and innovation.
	3	During a science lesson on the water cycle, you ask students to create a model of the water cycle using simple materials like a plastic bag, water, and a marker. They then explain how each part of the cycle works. How does this method demonstrate creativity and Innovation in teaching science? 0301-8784630	d) It encourages hands-on learning, teamwork, and the application of scientific concepts in a Creative way.
	4	Which of the following best defines Creativity in the context of teaching?	b) The ability to think outside the box, adapt Lessons, and engage students in novel ways.
5	Which of these is an Example of STEAM integration in a lesson plan?	b) A lesson where students create a model of a bridge, calculating Its strength using math, designing it with art materials, and testing its load capacity with scientific principles.	

	6	What is the primary purpose of role-playing in the classroom?	c) To encourage students to understand different perspectives and actively engage with the content.
	7	How does project-based learning (PBL) Support creativity and innovation?	a) By encouraging students to explore real-world Challenges and collaborate to create solutions.
	8	Inquiry-based learning encourages students to:	B) Ask questions, conduct research, and draw conclusions Based on their findings.
	9	Which of the following is an Example of integrating decision-making in a classroom activity?	c) Allowing students to collaborate and decide together how to solve a problem or carry out a project. 0301-8784630
	10	10- For applying various teaching methods, which of the following is an essential component for Student engagement? 0301-8784630	a) Using a variety of interactive methods such as role-playing, group activities, and Inquiry.
20	PDF		

	Module 6		
1	Video		0301-8784630
2	Self-assessment (All “Yes” or as you wish)		0301-8784630
3	Video		
6.3	1	Write a Reflective journal entry about A recent teaching experience. Focus on what went well, what challenges were faced, and what changes they Might consider for the future?	Today’s lesson went well as students engaged actively and responded positively to group tasks. However, managing time and supporting slower learners was challenging. Next time, I will simplify instructions, pace activities better, and offer targeted support.
	2	How has your teaching practice Evolved based on your experiences? What strategies from this presentation do you plan to implement to enhance Your reflective practice and why? 0301-8784630	My teaching practice has evolved through consistent Reflection and adapting to students’ needs. I plan to use structured reflection prompts and peer feedback from the presentation because they offer clearer insights, improve self-awareness, and guide purposeful instructional changes.
5	PDF		0301-8784630
6 6.4	1	Now that you have watched the video, please jot down your three key takeaways and summarize what you Learned in the given box? 0301-8784630	The video highlighted the value of reflective thinking, the importance of adapting teaching strategies, and the role of student feedback. I learned that ongoing reflection helps refine practice, strengthen engagement, and improve overall learning outcomes.
7,8	PDF 0301-8784630		9,10,11,12 Videos 0301-8784630
13 6.6	1	Which of the following is an example of a higher-order thinking skill?0301-8784630	b) Analyzing and interpreting data

	2	When evaluating the credibility of a source, which factor should be considered the most? d) Length of the article	c) Sources relevance and accuracy
	3	Which of the following best demonstrates analytical thinking in a math problem?0301-8784630	a) Solving an equation step by step
	4	What is an example of applying creativity in problem-solving?0 3 0 1 - 8 7 8 4 6 3 0	b) Generating multiple solutions and choosing the most effective one
	5	What would be an appropriate first step in solving a Complex problem in a group setting?	b) Analyzing the problem as a team
	6	If a student’s project solution is highly creative but does not follow the usual structure, how should it be evaluated?0 3 0 1 - 8 7 8 4 6 3 0	b) Based on originality and innovation
	7	Analytical thinking involves:0301-8784630	b) Breaking down complex problems into smaller, manageable parts.
	8	What is the first step in the decision-making process? 0301-8784630	b) Defining and understanding the Problem.
	9	Which of the following is part of an effective decision- Making process? 0301-8784630	b) Weighing the pros and cons of Different options.
	10	Analytical thinking in mathematics involves. 0301-8784630	b) Breaking problems into smaller, Solvable steps.
14	Scenario. 1	Disrupting the Class Situation & Problem: During a lesson, a student is consistently disrupting the class by talking out of turn, making loud noises, and distracting other students. This behavior is affecting the learning environment... What is the most respectful way to address this behavior? How can we maintain a positive Learning environment while dealing with disruptions?	Solution C: Gently remind the student of the class rules and the importance of listening during the lesson. Give them a warning and set clear expectations for the Rest of the class.
	Scenario. 2	A Student Struggling with a New Concept Situation & Problem: A student is having difficulty understanding a new math concept despite repeated explanations and examples. The student appears frustrated and is not asking for help... How can peer tutoring benefit both the struggling student and the student helping them? How Can we assess where the student's understanding breaks down and offer targeted help?	Solution D: Ask the student questions to identify the specific part of the concept they are struggling with and offer alternative methods or Examples that might be easier to understand.
	Scenario. 3	In a group activity, two students are not cooperating. One insists on doing everything, while the other refuses to participate, creating tension and affecting The group’s progress.	Solution A: Have both students discuss their concerns privately with you, asking them to express their feelings and agree on how to work together More effectively.

	1	In Blooms Taxonomy, the highest level of thinking skills is <u>Creating</u>	
	2	When evaluating a solution, its important it's to assess <u>Feasibility</u> which means how likely it is to succeed based on the available resources.	
	3	When making decisions, it's crucial to consider both the <u>Short term</u> and long-term consequences.	
	4	To improve problem-solving skills, it's essential to <u>Experiment</u> different to strategies and adapt based on the outcome.	
15	1	Analytical thinking requires focusing only on the solution rather than understanding the problem.0 3 0 1 - 8 7 8 4 6 3 0	FALSE
	2	Critical thinking is about accepting information at face value without questioning its validity.0301-8784630	FALSE
	3	The decision-making process should always consider the long-term impact, not just immediate results.0 3 0 1 - 8 7 8 4 6 3 0	TRUE
	4	Creativity in problem-solving means following a fixed set of rules to find a solution.	FALSE
	5	Brainstorming helps generate a wide range of ideas without immediate evaluation.	TRUE
	6	Decision-making processes in the classroom should involve evaluating all possible Outcomes.	TRUE
16	1	Decision Matrix	Analyzing multiple options based on criteria to make a decision
	2	Brainstorming	Generating a variety of ideas without evaluating them immediately
	3	Trial and Error	Experimenting with multiple solutions until the best one is found
17	1	How do you encourage students to apply critical thinking in real-Life scenarios?	You can encourage critical thinking by using real-world problems, open-ended questions, and scenario-based tasks that require analysis, evidence-based reasoning, collaboration, and reflection to help students connect learning with authentic situations.
	2	How would you help students transfer Knowledge from one Subject to another?	I would help students transfer knowledge by making cross-subject connections, using real-life examples, integrating projects, and encouraging them to compare concepts, apply skills, and reflect on similarities between different subjects.
	3	How Can role-playing be used to develop decision-making and Analytical thinking?	Role-playing develops decision-making and analytical thinking by placing students in realistic scenarios where they evaluate options, predict outcomes, solve problems, and justify choices, helping them practice reasoning and reflect on consequences before acting.
	4	How can inquiry- based learning foster the Application of HOTS?	Inquiry-based learning fosters HOTS by encouraging students to ask questions, investigate problems, analyze information, and draw conclusions. It promotes creativity, critical thinking, and independent Reasoning through exploration, experimentation, and evidence-based decision-making.
18.19,20,21,22		Pdf	
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