

HOTS (Higher Order Thinking Skill)

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Module: 1

	Module: 1					
1,2	Videos			0301-8484630		
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 In		C. Through performance- bases task.		
6	Video					
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 (92.31%)	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	0301-8784630
	7	Which of the following indicates a classroom			Option C & D	0301-8784630
	8	Remembering is the tape of skills.			Foundational skills	0301-8784630

	9	Understanding is the tape of skills?	Foundational skills	0301-8784630
	10	Analyzing is the tape of skills?	Higher order thinking skills.	0301-8784630
	11	Appling is the tape of skills?	Higher order thinking skills.	0301-8784630
	12	Evaluating is the tape of skills?	Higher order thinking skills.	0301-8784630
	13	Creating is the tape of skills?	Higher order thinking skills.	0301-8784630
15 100%	1	Creativity	Using imagination to find new ways	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	
	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			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>

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2.5(C)

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.

Reflect on the implementation by noting what worked well, challenges faced, and student responses.

Q1: Share your response below and in the DISCUSSION FORUM

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.

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

	0301-8784630	
1	Video	
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 fo 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 a 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 0301-8784630
	4	Find out what the garden environment (space, light, soil) is like and what plants would grow bed	Interpreting 0301-8784630

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.
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	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
14 3.7 c	10	Structured task that involve collaboration foster teamwork and -----.	Critical thinking.
	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		

