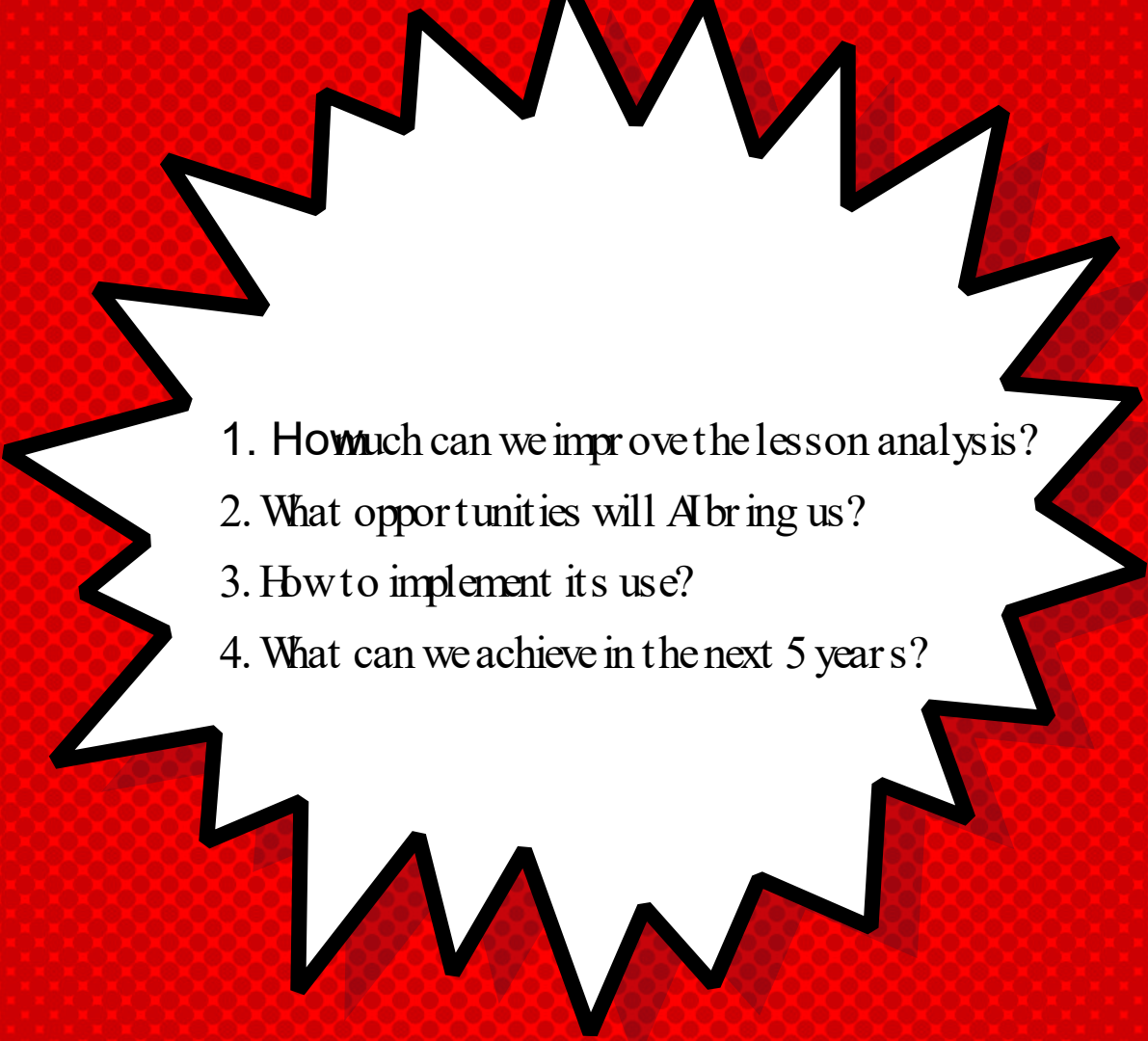


Lesson Analysis by Using AI

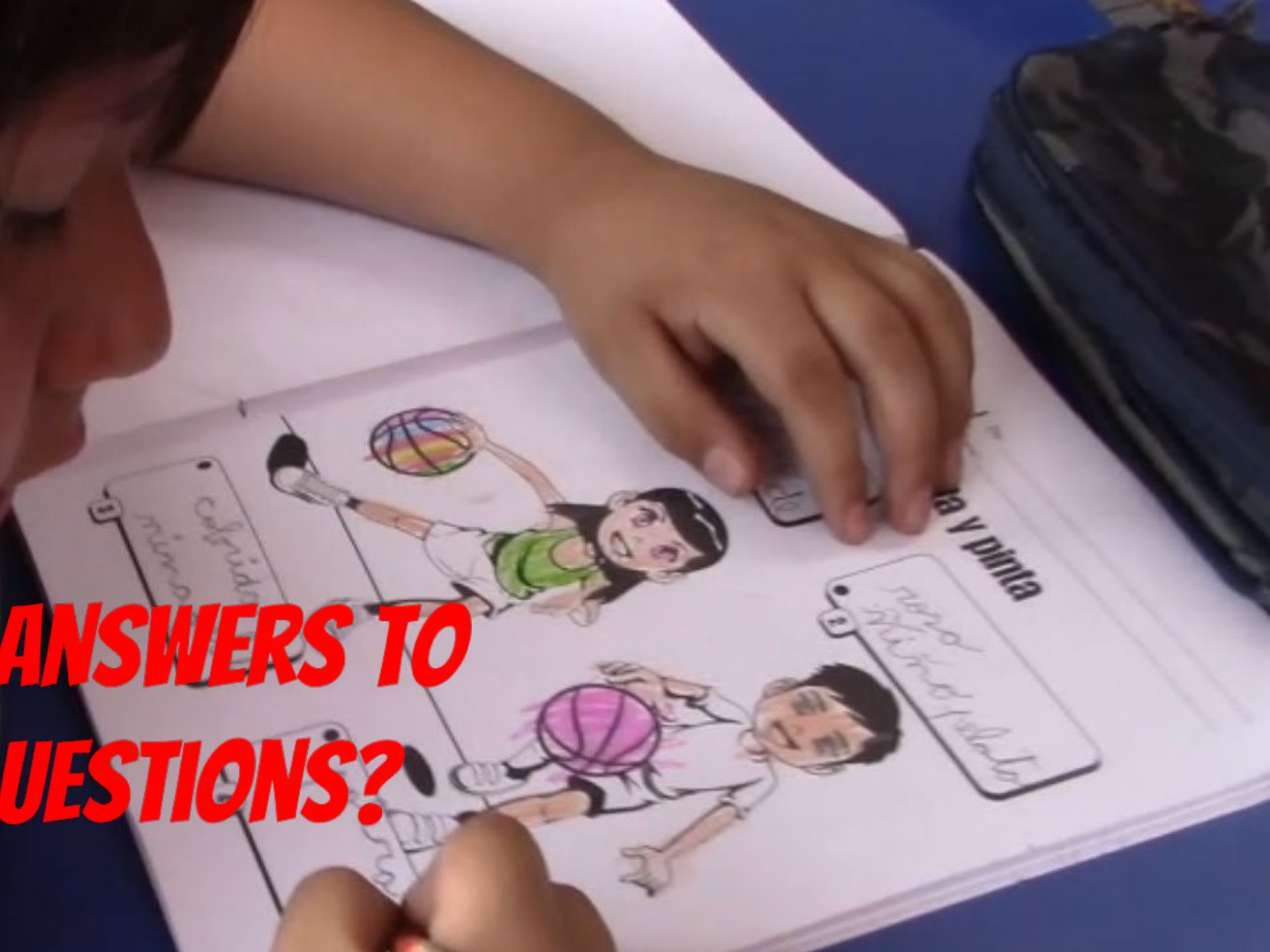
Roberto araya
CIAEIE University of Chile

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- 
1. How much can we improve the lesson analysis?
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 3. How to implement its use?
 4. What can we achieve in the next 5 years?

ctalideas

**WRITTEN ANSWERS TO
OPEN QUESTIONS?**



A photograph of two students in a classroom. A girl with curly brown hair and glasses is pointing at a computer monitor. A boy with dark hair is looking at the screen with a thoughtful expression. In the background, another student is working at a computer. The text 'HOW WOULD YOU ANALYSE ARGUMENTATION?' is overlaid in red, bold, italicized font.

***HOW WOULD YOU
ANALYSE
ARGUMENTATION?***



NON VERBAL CUES?

ATTITUDES?



A photograph of a classroom where several students are raising their hands, indicating active participation. The text 'ENGAGEMENT?' is overlaid in large, bold, yellow letters across the center of the image. The classroom features desks, a whiteboard, and a teacher standing at the front. The scene is brightly lit, and the students are dressed in school uniforms.

ENGAGEMENT?

A photograph of a computer lab with several students. In the foreground, a young woman with dark hair is pointing at a computer monitor. Next to her, another young woman is looking at the screen with her hand near her face. In the background, other students are seated at desks with computers, and a person in a green jacket is standing. The scene is brightly lit, and the overall atmosphere is one of focused learning.

GENEROSITY?



HONESTY?



TRUST?

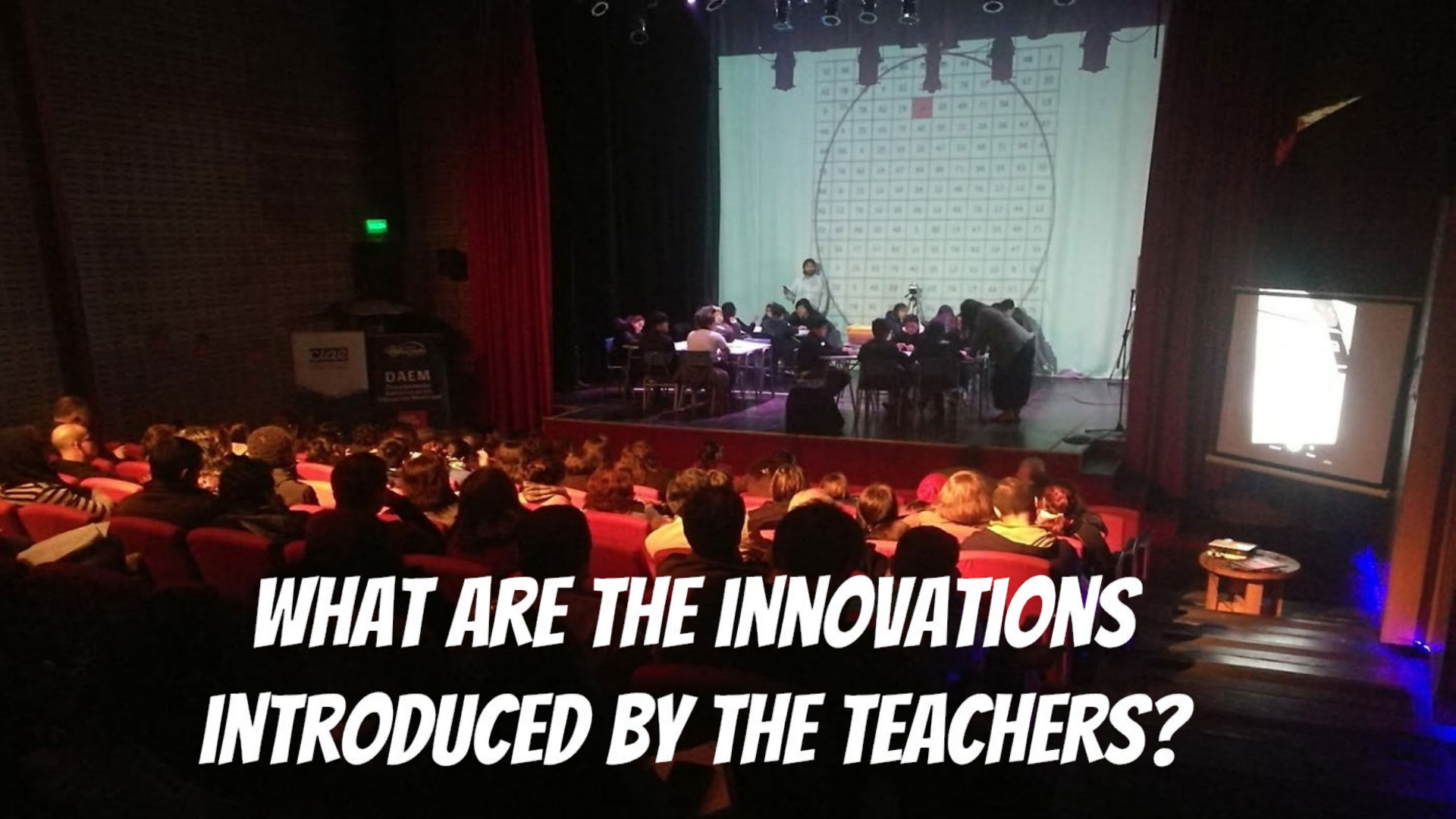
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PERSONALITIES?





SOCIAL NETWORKS?



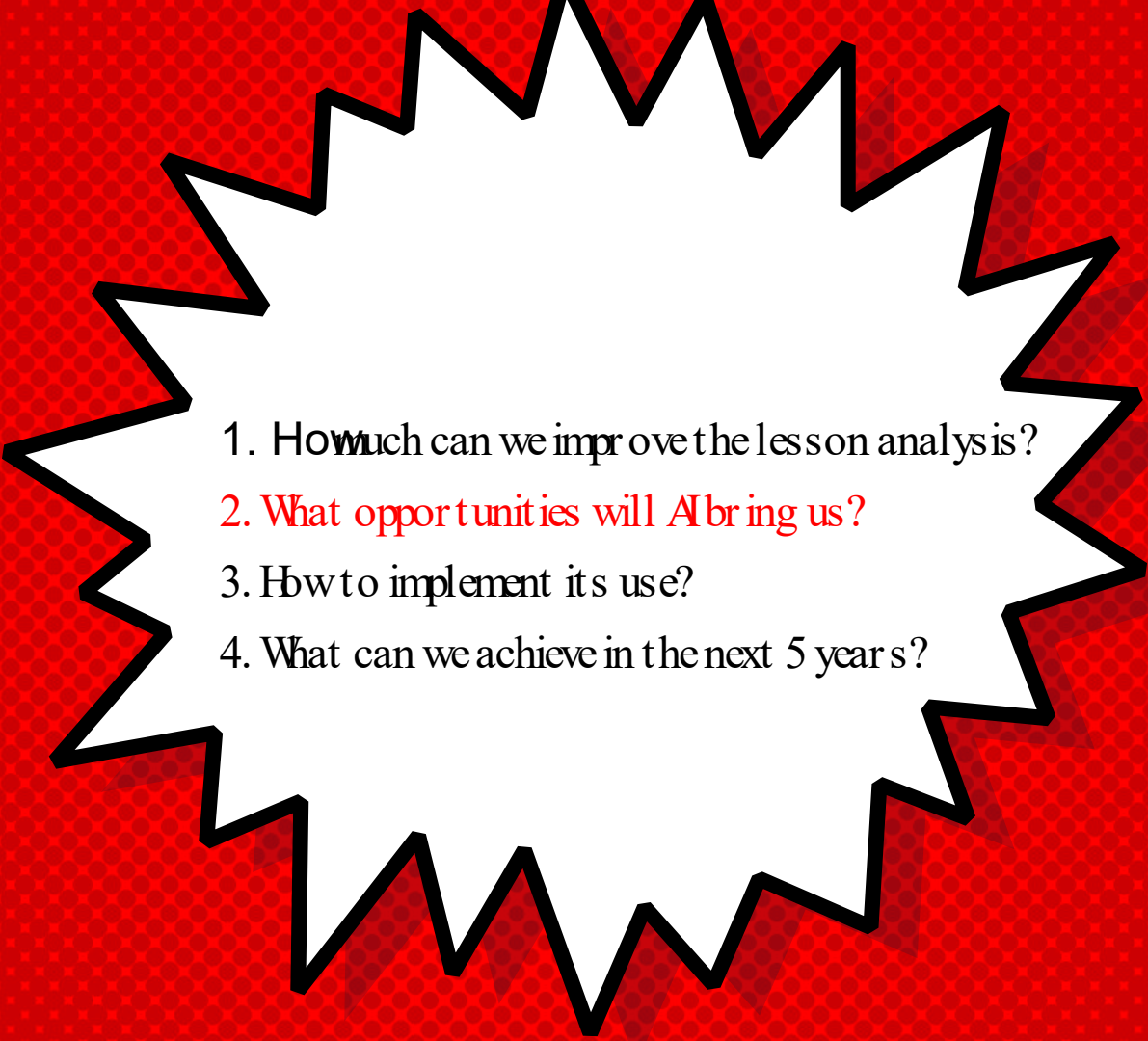
***WHAT ARE THE INNOVATIONS
INTRODUCED BY THE TEACHERS?***

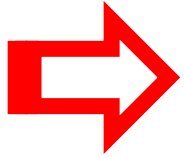


WHAT WORKED AS PLANNED?



CAN YOU SUMMARIZE THE LESSON?

- 
1. How much can we improve the lesson analysis?
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1. WRITTEN ARGUMENTATION

2. GAZE AND BODY ORIENTATION

3. SOCIOEMOTIONAL SKILLS

4. PERSONALITY

5. LESSON SUMMARIZATION

Q0
Others

Pamela has 25 flowers and her friend gives her 17 flowers. Write in words the total number of flowers Pamela has

forty-two

Coherent (Co)

Incoherent (C1)

areflowers

JDTGHKSLRJ

Q1
Calculate without explaining

Maria and her husband cooked a tortilla yesterday, they divided it into 6 equal parts. Maria ate 2/6 and her husband ate 3/6. What fraction of the tortilla was left?

1/6

no

nooooo

Q2
Calculate with explaining

Catalina bought 12 onions. Of the 12 onions, she used 1/4 of them to make some delicious empanadas. How many onions did she use for the empanadas? Explain using your own words

I need 3 and I know this because I divided $12:4=3 \times 1=3$

it is ok teacher

Question-independent incoherent (C1-i)

7u7 :V XD

Q3
Choice and/or affirmation

Camilo has to collect 60 balls. So far he has collected 23. To find out how many balls he has left to collect, subtract 23 from 60. Is Camilo's exercise correct? Justify your answer

it's ok because I added $37+23$ and a half 60

43

hi

Question (q)

Answer (a)

Q4
Compare quantities

Pablo takes 5 hours to travel from Santiago to La Serena. His friend Pedro traveled from La Serena to Santiago and took 300 minutes. Which of the two children took less time? Explain your answer

both took the same time because I multiplied $5 \times 60 = 300$ and 300 minutes is 5 hours

60x5 gives 300

a e i o u

Q5
Procedure and content knowledge

What is a line of symmetry? Explain in your own words and give me an example

a line of symmetry is a line that separates two equal images

143 cm

- + | ' - , . x







1. WRITTEN ARGUMENTATION

2. GAZE AND BODY ORIENTATION

3. SOCIOEMOTIONAL SKILLS

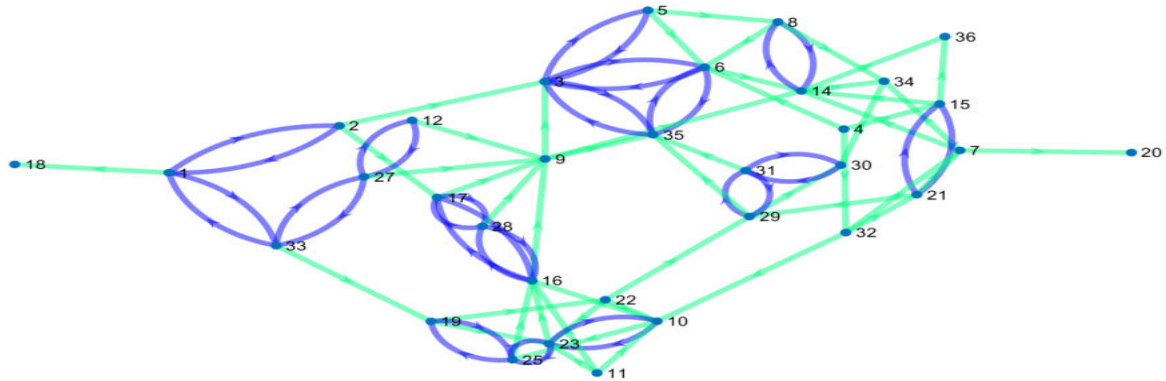
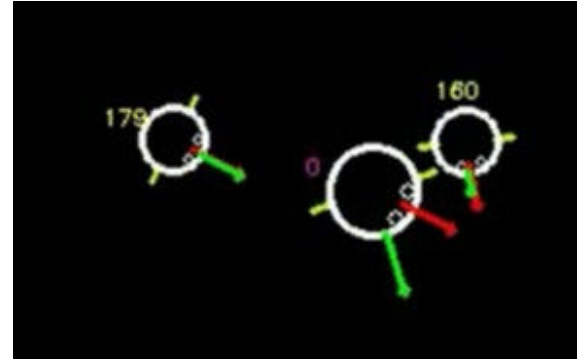
4. PERSONALITY

5. LESSON SUMMARIZATION

A classroom scene with students seated at desks and a teacher standing at the front. The text 'GAZE AND BODY ORIENTATION' is overlaid in the center. Red circles highlight four individuals: two students on the left side of the frame, one student in the middle ground, and the teacher at the front right.

GAZE AND

BODY ORIENTATION





1. WRITTEN ARGUMENTATION

2. GAZE AND BODY ORIENTATION



3. SOCIOEMOTIONAL SKILLS

4. PERSONALITY

5. LESSON SUMMARIZATION

SOCIOEMOTIONAL SKILLS



PUBLIC GOODS GAMES

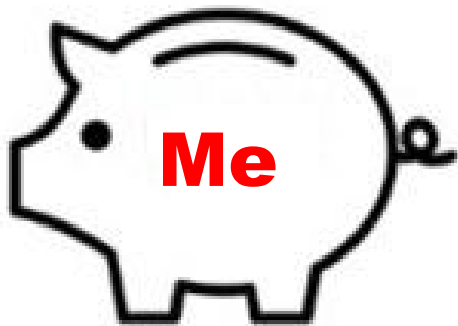
Dictator Games

Random Allocation Game

Passenger's Dilemma

Delay Gratification







1. WRITTEN ARGUMENTATION

2. GAZE AND BODY ORIENTATION

3. SOCIOEMOTIONAL SKILLS



4. PERSONALITY

5. LESSON SUMMARIZATION



Openness



Conscientiousness



Extraversion



Agreeableness

OCEAN
The
Big Five
Personality
Traits



Neuroticism

1. WRITTEN ARGUMENTATION

2. GAZE AND BODY ORIENTATION

3. SOCIOEMOTIONAL SKILLS

4. PERSONALITY

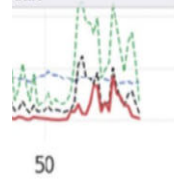
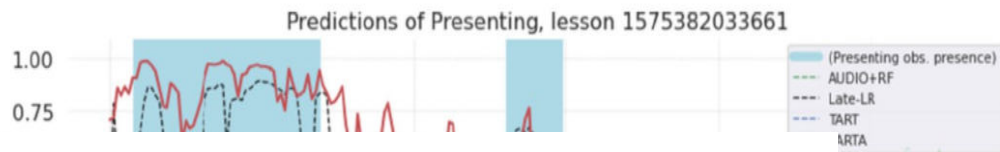
5. LESSON SUMMARIZATION

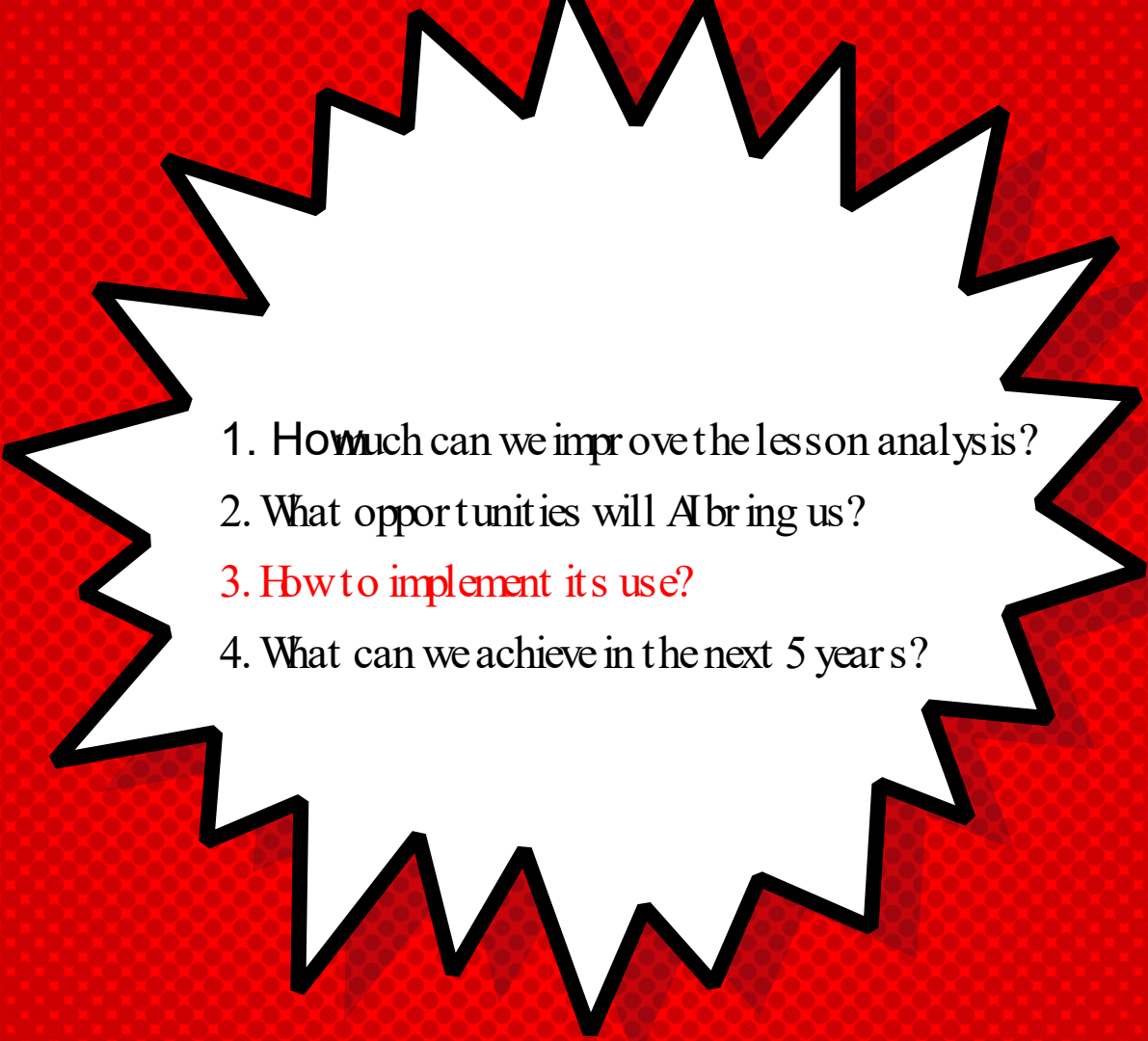






The lesson goal was divisions of fractions. The teacher presented the challenge of establishing whether a piece of land that went from three eighths to seven ninths of its area grew proportionally more than another one that went from two tenths to six sevenths of its area. Students searched for various strategies. Some cutting papers, others weighing.

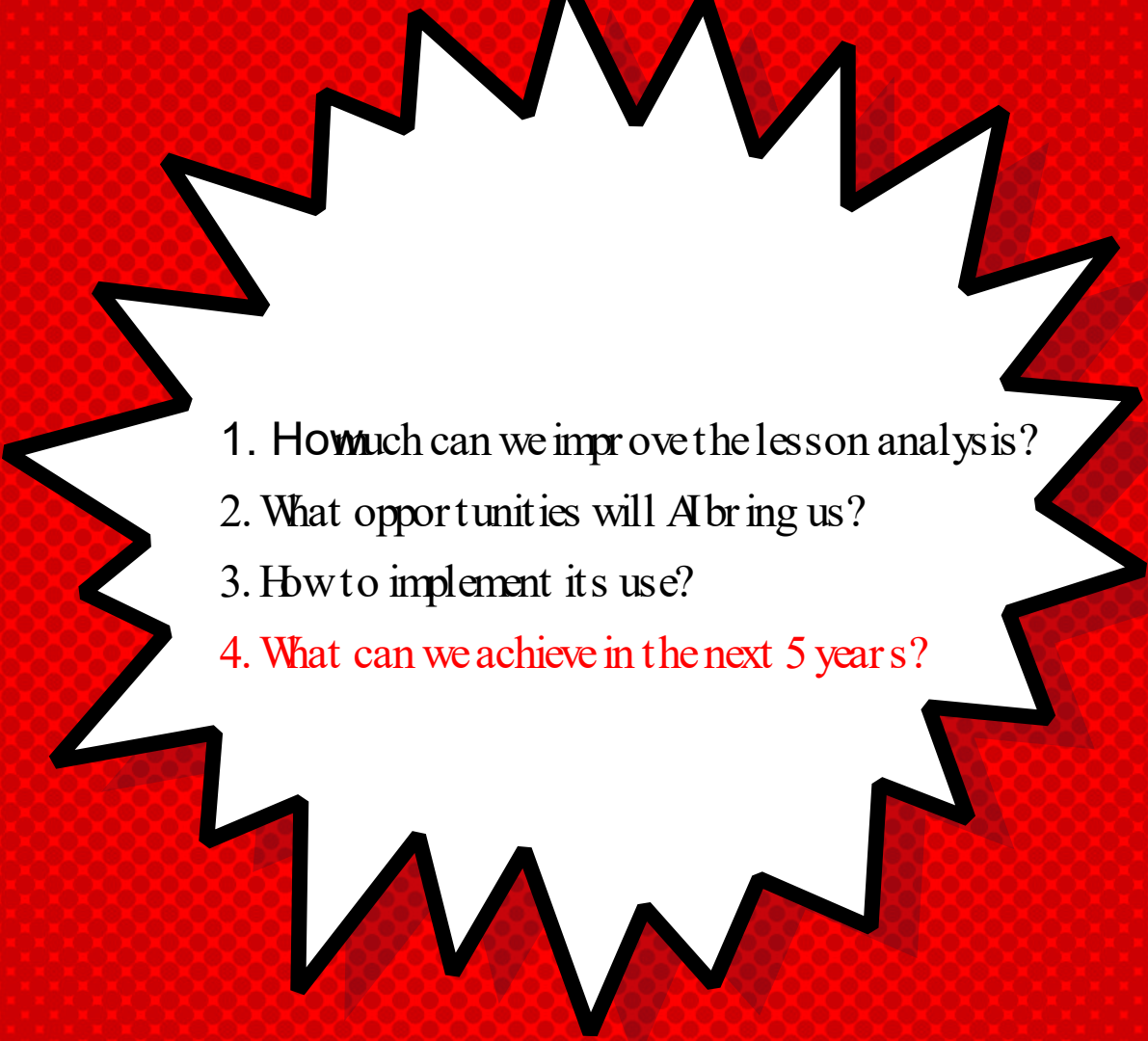


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***SIMPLE V/S COMPLEX
HOMPHILY
REITERATION***



- 
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A large lecture hall with students seated at desks, facing a stage with a screen and a lecturer. The text is overlaid on the image.

AI → NEW TOOLS

**HARNESSING FULL POWER
OF LESSON STUDY**

Lesson Analysis by Using AI

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