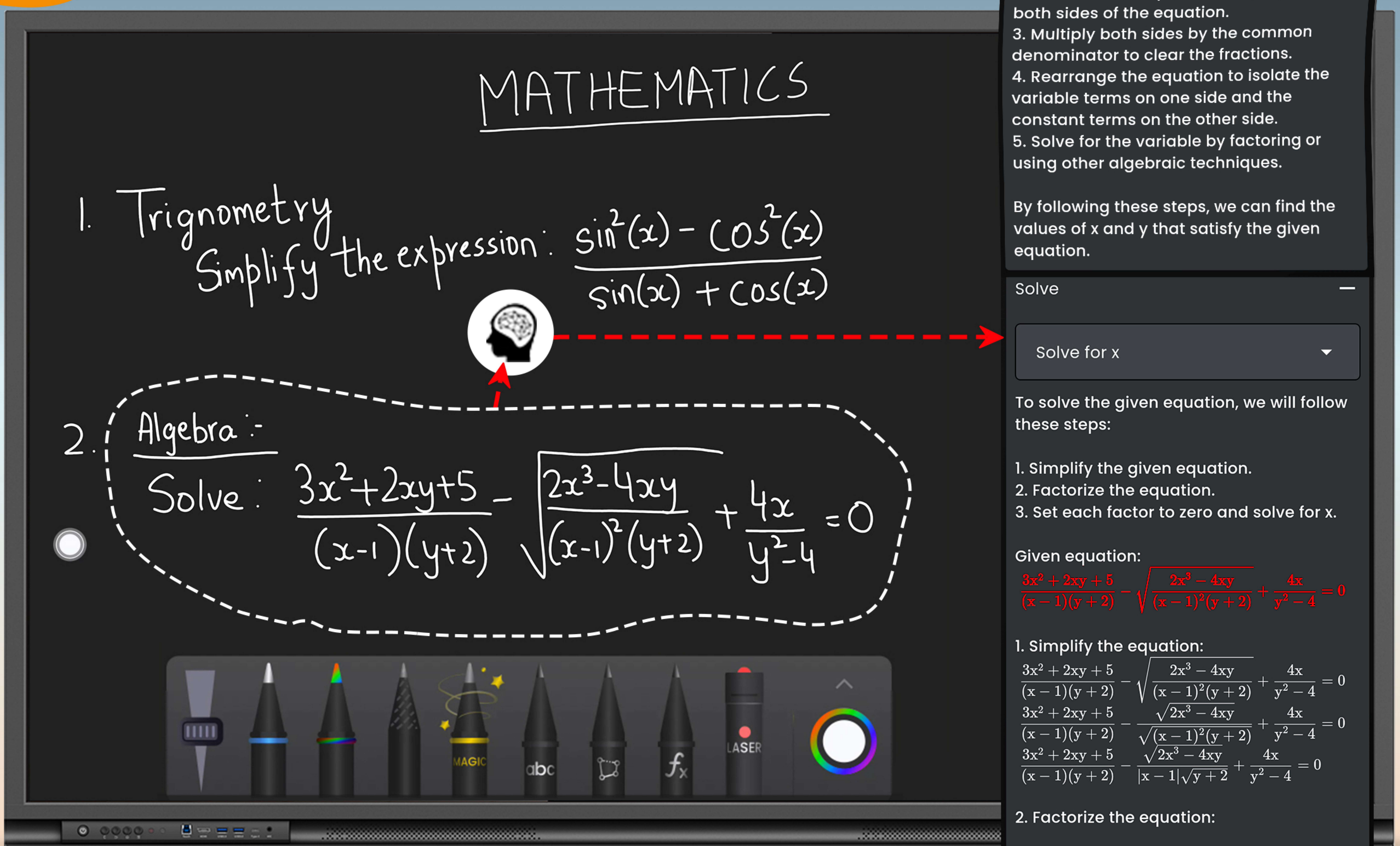


Redefining Whiteboarding with AI

INDIA'S FIRST GPT BASED WHITEBOARD SOFTWARE



MATHEMATICS

1. Trigonometry
Simplify the expression: $\frac{\sin^2(x) - \cos^2(x)}{\sin(x) + \cos(x)}$

2. Algebra :-
Solve: $\frac{3x^2 + 2xy + 5}{(x-1)(y+2)} - \frac{\sqrt{2x^3 - 4xy}}{(x-1)^2(y+2)} + \frac{4x}{y^2 - 4} = 0$

Explanation
To solve the given equation, we need to follow these steps:

1. Simplify the given equation by expanding the terms and combining like terms.
2. Get rid of the square root by squaring both sides of the equation.
3. Multiply both sides by the common denominator to clear the fractions.
4. Rearrange the equation to isolate the variable terms on one side and the constant terms on the other side.
5. Solve for the variable by factoring or using other algebraic techniques.

By following these steps, we can find the values of x and y that satisfy the given equation.

Solve

Solve for x

To solve the given equation, we will follow these steps:

1. Simplify the given equation.
2. Factorize the equation.
3. Set each factor to zero and solve for x.

Given equation:

$$\frac{3x^2 + 2xy + 5}{(x-1)(y+2)} - \sqrt{\frac{2x^3 - 4xy}{(x-1)^2(y+2)}} + \frac{4x}{y^2 - 4} = 0$$

1. Simplify the equation:

$$\frac{3x^2 + 2xy + 5}{(x-1)(y+2)} - \sqrt{\frac{2x^3 - 4xy}{(x-1)^2(y+2)}} + \frac{4x}{y^2 - 4} = 0$$

$$\frac{3x^2 + 2xy + 5}{(x-1)(y+2)} - \frac{\sqrt{2x^3 - 4xy}}{(x-1)\sqrt{y+2}} + \frac{4x}{y^2 - 4} = 0$$

$$\frac{3x^2 + 2xy + 5}{(x-1)(y+2)} - \frac{\sqrt{2x^3 - 4xy}}{|x-1|\sqrt{y+2}} + \frac{4x}{y^2 - 4} = 0$$

2. Factorize the equation:

$$3x^2 + 2xy + 5 - \sqrt{2x^3 - 4xy}|x-1| + 4x(y+2) = 0$$

3. Set each factor to zero and solve for x:

$$3x^2 + 2xy + 5 = 0$$

$$2x^3 - 4xy = 0$$

$$4x = 0$$

Solving these equations will give us the values of x.

Q&A

Grade

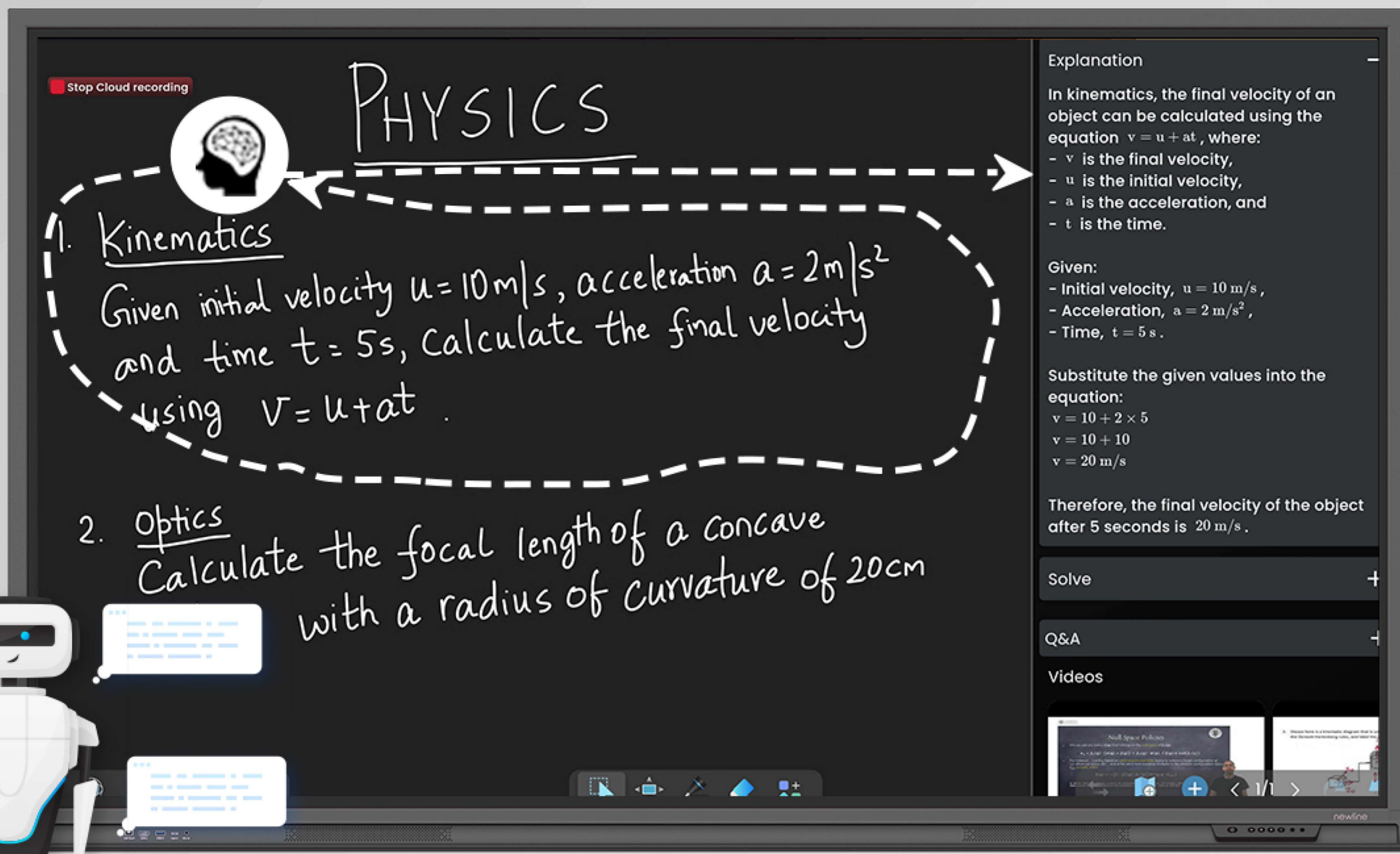
1st 2nd 3rd 4th 5th 6th
7th 8th 9th 10th 11th 12th
Higher Education

Level

Remember Understand
Apply Analyze

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Experience the pinnacle of whiteboarding and annotation software, (Powered by GPT) where innovation meets intuitive design, revolutionizing the way ideas are expressed and shared in classrooms.

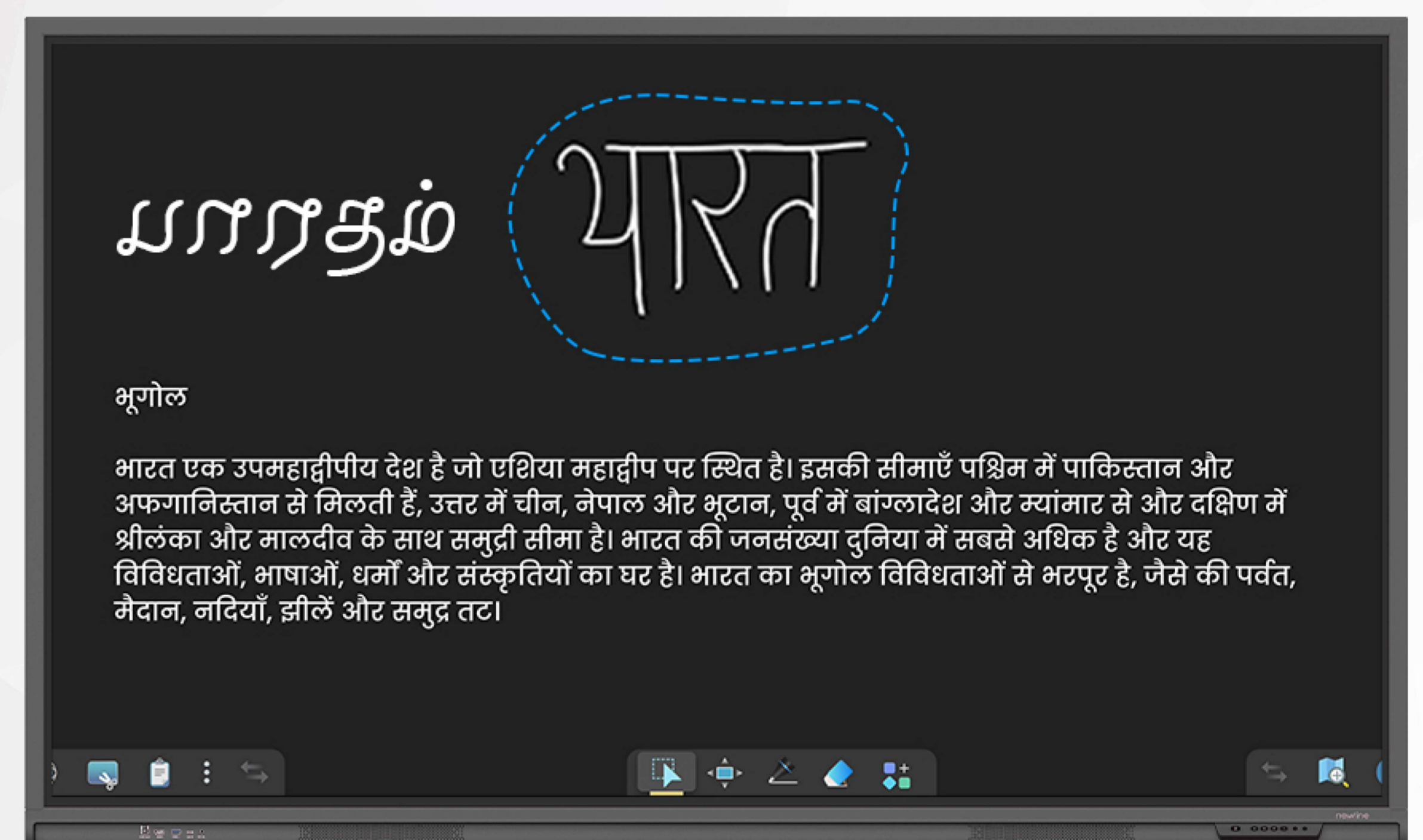
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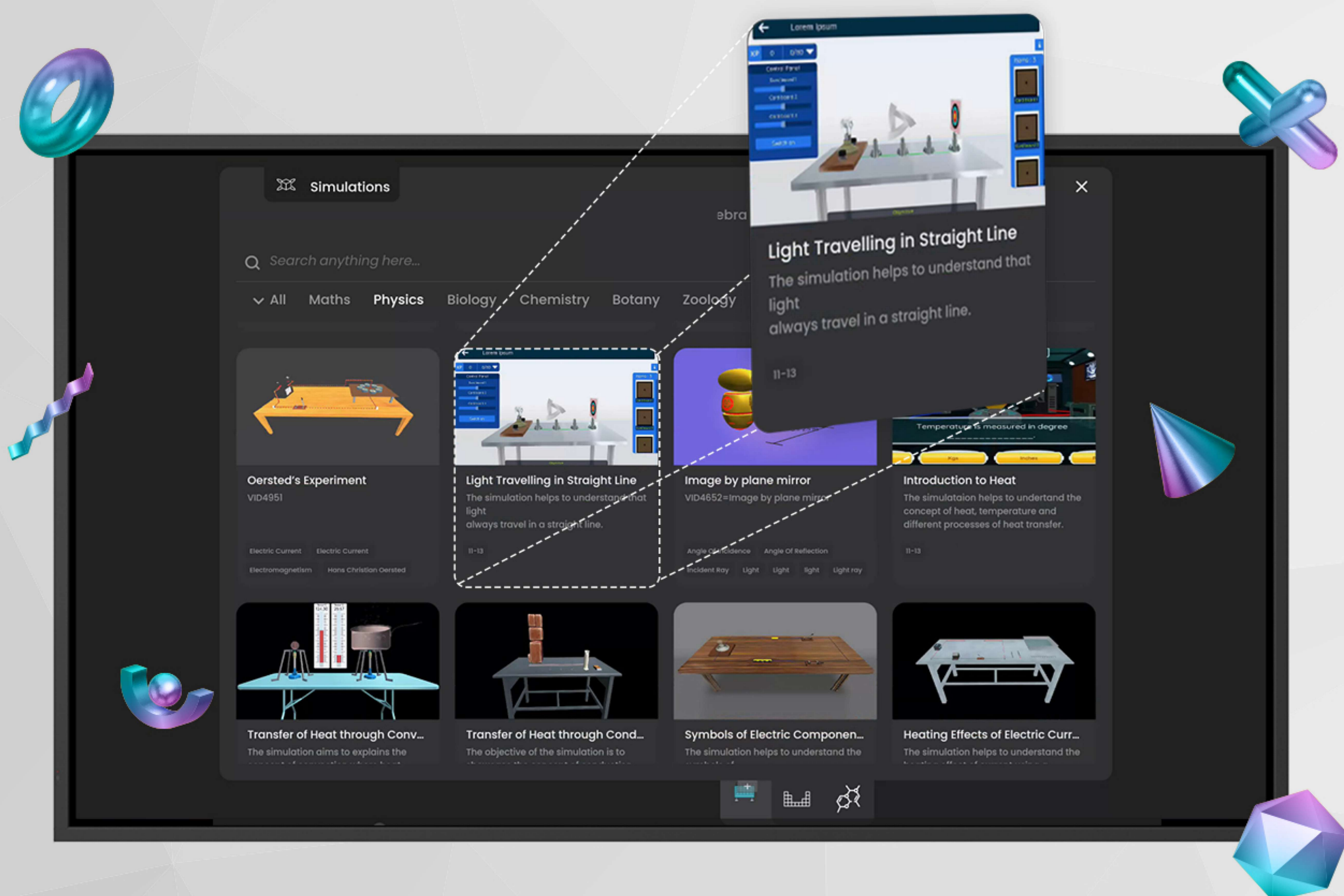
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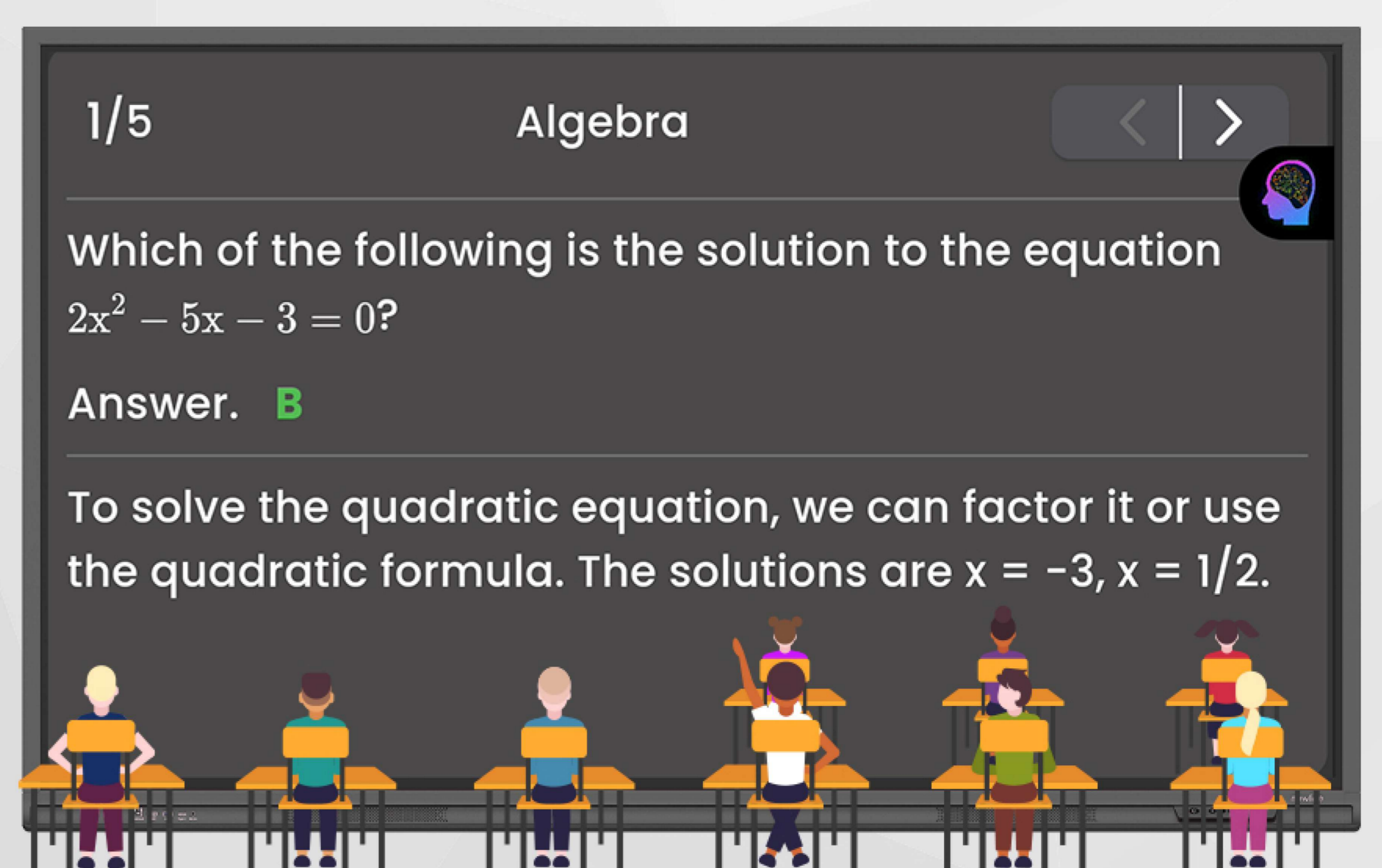
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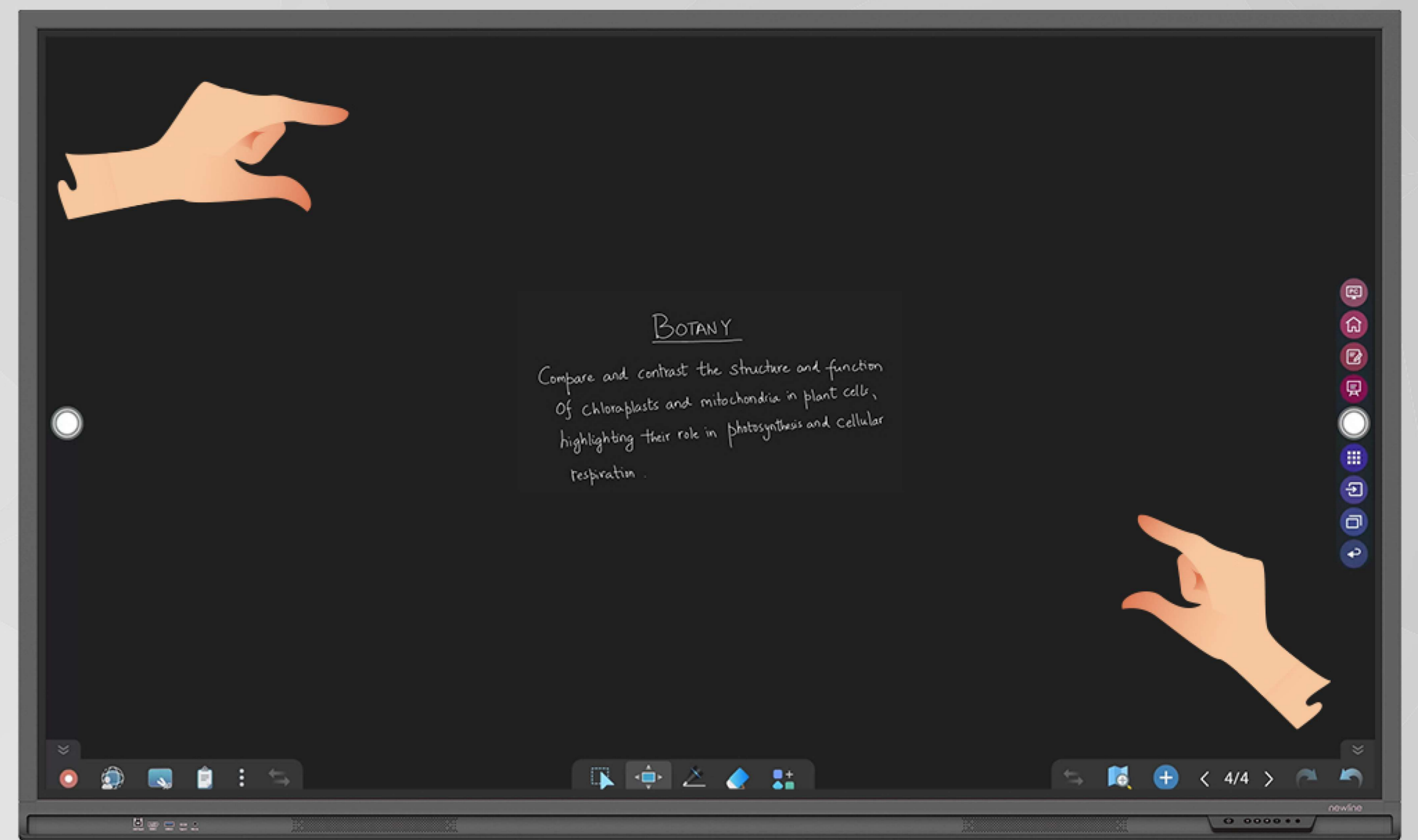
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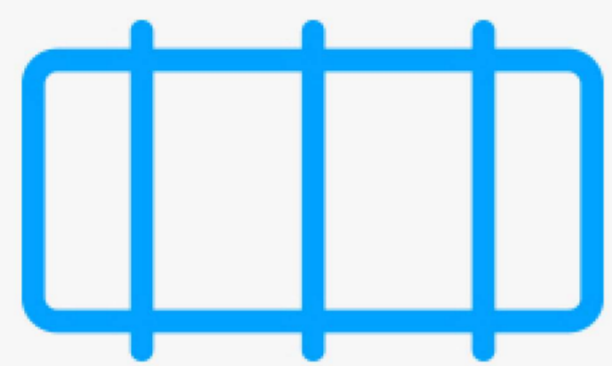
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Unleash creativity without boundaries, extending beyond canvas edges for unlimited exploration.



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Dive into the world of chemistry with our interactive periodic table, featuring clickable elements for detailed information retrieval and access to 3D atomic models, enriching your lessons with immersive visuals.



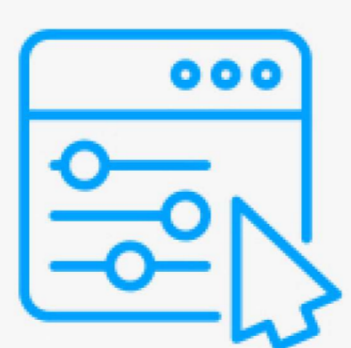
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Maximize productivity and collaboration with screen splitting functionality, enabling simultaneous collaboration across multiple screens for enhanced teamwork.



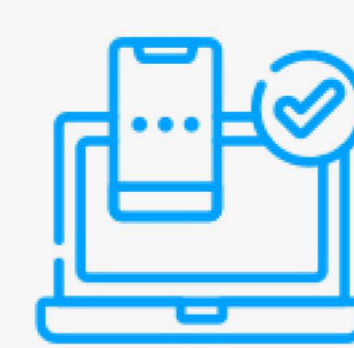
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Foster teamwork and creativity with real-time collaboration features, enabling seamless interaction among students and educators, promoting active engagement and learning.



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Tailor the interface to suit your classroom's specific needs, ensuring a personalized and intuitive user experience for both educators and students.



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iOS



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