Create interactive simulations of mathematical concepts on ChatGPT.

With over 70 core concepts in mathematics and science, ChatGPT guides learners by showing how formulas, variables, and relationships work right within the chat window.

For many students, mathematical and scientific concepts can seem abstract and difficult to understand. If so, teachers can use ChatGPT to introduce mathematical concepts in a more interactive and visually engaging way. With over 70 core mathematical and scientific concepts, ChatGPT guides learners by displaying formulas, variables, and relationships directly within the chat window. Below is detailed information about this new feature.

How to create interactive simulations of mathematical concepts on ChatGPT

To display interactive simulations directly in the chat window, enter the command along with one of the four keywords below.

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Help me understand [??nh lý] Explain [??nh lý] Explain how [??
nh lý] works How can I find [khái ni?m]
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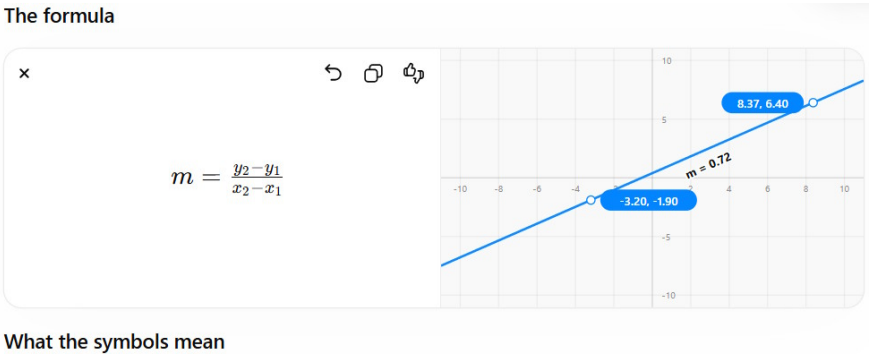
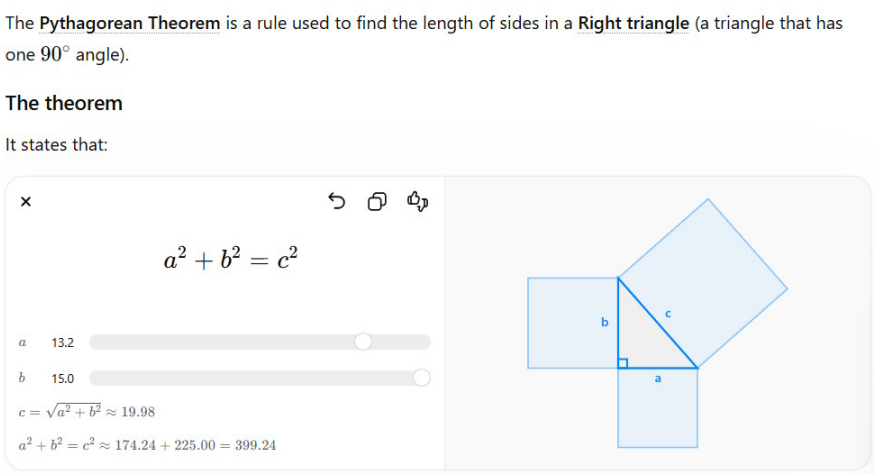
Below are some examples of interactive simulations directly on ChatGPT; teachers can directly modify the models within the chat window.

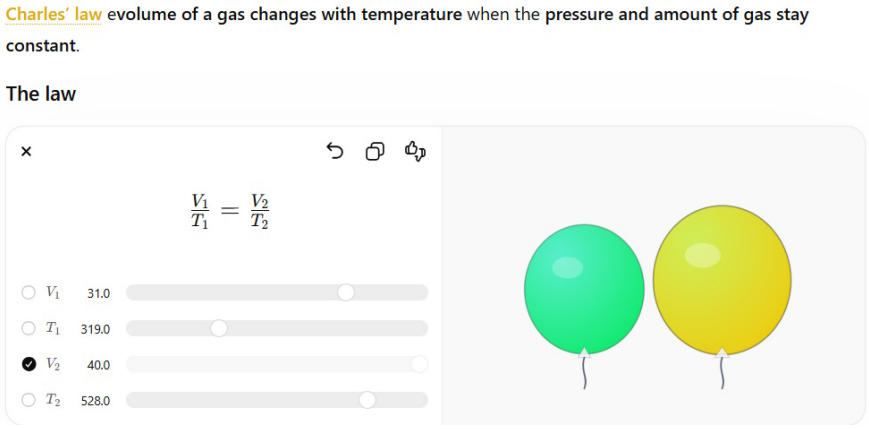
Explain The slope formula : to find the slope of a line connecting two points on a coordinate plane.



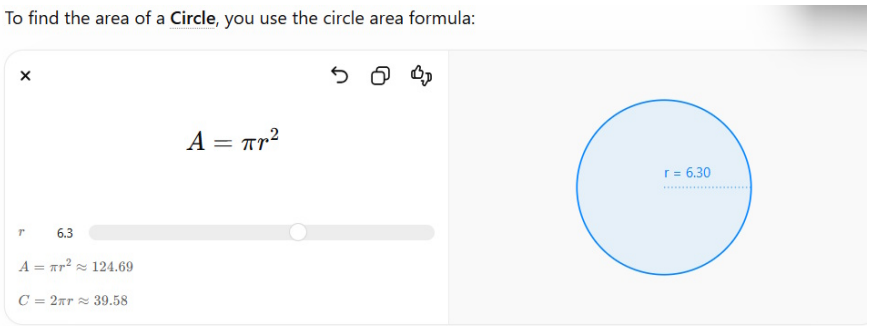
Explain Pythagorean Theorem : The Pythagorean theorem is a rule used to find the lengths of the sides in a right-angled triangle (a triangle with one leg forming a right angle).



How Charles' law works : The volume of a gas changes with temperature when the pressure and amount of gas remain constant.



How can I find the area of ??a circle ? To find the area of ??a circle, you use the formula for the area of ??a circle: A = ?r²



Currently, the new ChatGPT is working well with English commands to implement interactive simulations based on the concept definition.

Some concepts are supported on ChatGPT.

The interactive concept modeling feature is being rolled out to all ChatGPT users. Below are some of the supported concepts.

Acute triangle, Angular frequency relation, Binomial square, Charles' law, Circle area, Circle circumference, Circle equation, Combined gas law, Compound interest, Cone surface area, Cone volume, Coulomb's law, Cylinder volume, Degrees of freedom, Difference of squares, Discriminant, Distance formula, Dot product angle, Equilateral triangle, Euler formula, Exponential decay, First order ODE, GDP expenditure identity, Gibbs free energy, Graphable function, Hooke's law, Integral, Integration by parts, Isosceles triangle, Kinematics position, Kinematics velocity, Kinematics velocity squared, Kinetic energy, Lens equation, Linear equation, Ohm's law, Period–frequency relation, Potential energy, PV = nRT equation, Pythagorean theorem, Slope–intercept form, Surface area of ??sphere, Triangle area, Trig angle sum identity.