Using AI and Canva to Create Lessons (step-by-step)

1. Check the Curriculum Map for the topic.

Physical Science
2022-2023
Course Level: High School
03159A000

Physical Science courses involve study of the structures and states of matter. Typically (but not always) offered as introductory survey courses, they may include such topics as forms of energy, wave phenomenon, electromagnetism, and physical and chemical interactions.

DLM EE's for HS to be covered in the course include:
EE.HS-PS1-2 Make a claim supported by evidence to explain patterns of chemical properties that occur in a substance during a common chemical reaction (e.g. baking soda and vinegar)/identify the changes that have occurred during a chemical reaction (e.g. metal-rust, paper-burn)/Recognize that a change has occurred during a chemical change

EE.HS-PS2-3 Evaluate the effectiveness of safety devices and design a solution that could minimize the force of a collision/Use data to compare the effectiveness of safety devices to determine which best minimizes the force of a collision/identify safety equipment that minimize force of a collision (e.g. floor mats, helmets, or steel-toed boots)

EE.HS-PS3-4 Investigate and predict the temperatures of two liquids before and after combining to show uniform energy distribution/ Compare relative differences in temperature (warmth, coldness) of two liquids/compare the temperatures of two liquids of different temperatures before and after combining/Compare relative difference in temperature (warmth, coldness) of two liquids

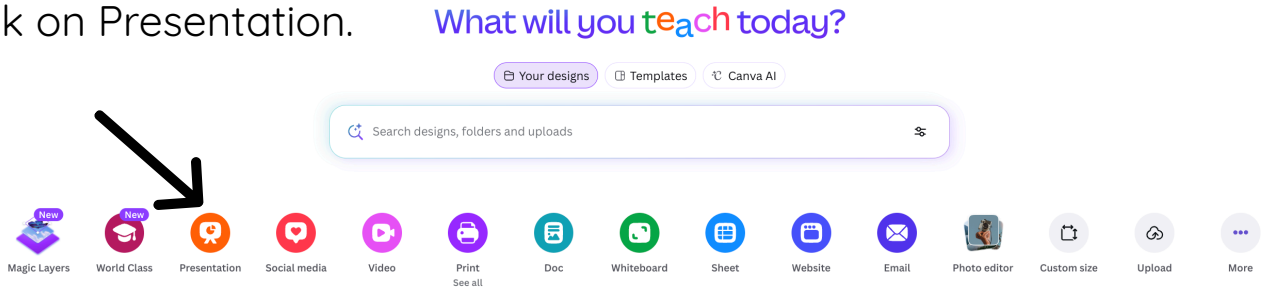
EE.HS-PS4-5 Make a claim supported by evidence that shows how some devices use light and sound waves to transmit a capture information/identify common devices which use light or sound waves to transmit information/identify how common technological devices are used for different purposes

Aug/Sept	Topic: Energy Transfer (EE.HS-PS3-4)	Dec	Topic: Energy
Week 1	Measure temperature of liquids (thermometer)	Week 1	Non-renewable energy
Week 2	Use thermometers to measure temperature of different liquids	Week 2	Renewable energy
Week 3	Compare temperatures of liquids	Week 3	Solar and wind energy
Week 4	Predict temperature changes after combining 2 liquids	**Jan**	**Topic: Simple Machines | Force and Motion**
Week 5	Compare temperatures after combining 2 liquids	Week 1	Wheels and axles
Oct	**Topic: Matter**	Week 2	Levers and pulleys
Week 1	States of matter: solid	Week 3	Planes and inclines
Week 2	States of matter: liquid	Week 4	Force and motion: rolling a ball
Week 3	States of matter: gas	Week 5	Force and motion: throwing a ball
Week 4	Define + examples: Physical Change (e.g. melt an ice cube, crumble a leaf, crush a can, mix sand and water)	**Feb**	**Force and Motion | Safety**
Nov	**Topic: Chemical Reactions (EE.HS-PS1-2)**	Week 1	Force and motion: crashes
Week 1	Define: chemical reaction, chemical change	Week 2	Seat belts: how they work
Week 2	Identify and discuss: common chemical reactions in everyday life (rust on iron, frying an egg, vinegar and baking soda)	Week 3	Helmets: how they work
Week 3	Identify and discuss: common chemical reactions in everyday life (rust on iron, frying an egg, vinegar and baking soda)	Week 4	Knee and elbow pads: how they work
Week 4	Make predictions: expected change in simple chemical reactions		
Week 5	Evaluate outcome of a simple chemical reaction (how did the objects state of matter change?)		

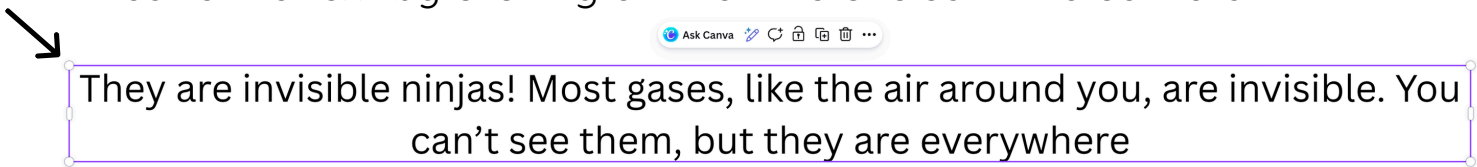
Let's do
States of Matter: Gas

2. Open google.
3. Put in: Create a list of 12 facts about states of matter gases. Make them fun and for second grade (most of the lessons I create are at the 2nd grade level, but you can grade up or down depending on what you need).
4. Hit enter and then click on AI mode.
5. Read through what gemini has generated. Make sure the facts are appropriate for your students (not too hard, not too easy).
6. You'll see a box that says "Ask anything" under what was generated. If you don't like what you've read, ask gemini to change it. For example, you can ask it to add a sentence to each fact, make it for a different grade, make it more like a story, embed a question after each fact, whatever you need.

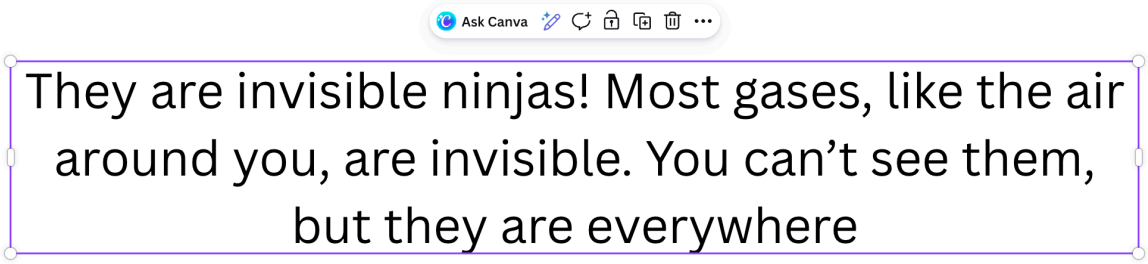
7. Once you're happy with what Gemini has generated, open Canva. You have a free account using your elim email.
8. Click on Presentation.



9. You will see a blank screen/canvas.
10. Copy the first fact from your Gemini list onto that blank page. You can resize the text by clicking on the little circles in the corners.

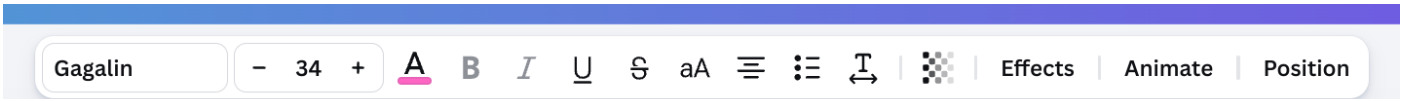


11. Add a page and continue to copy and paste your facts from Gemini onto Canva. You can change your font, the color of your font, and where you place your text. There are tons of fonts to pick from!

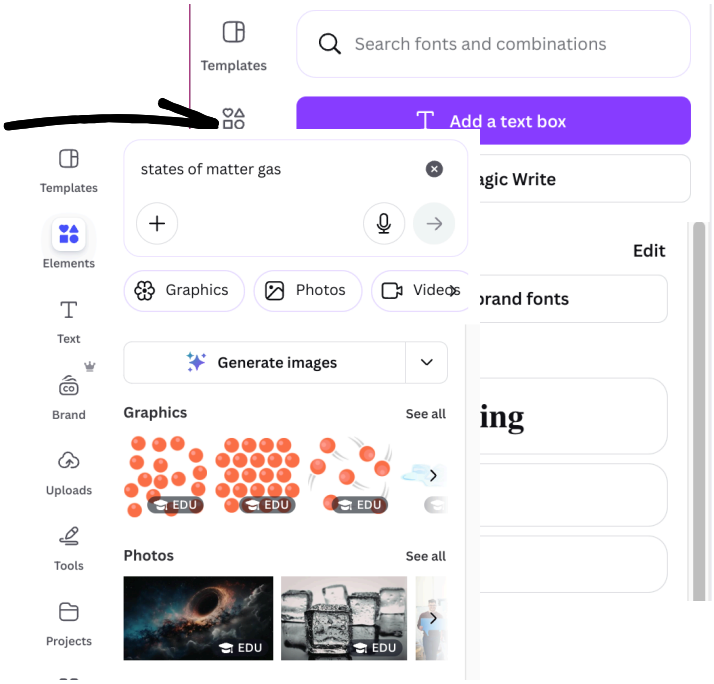


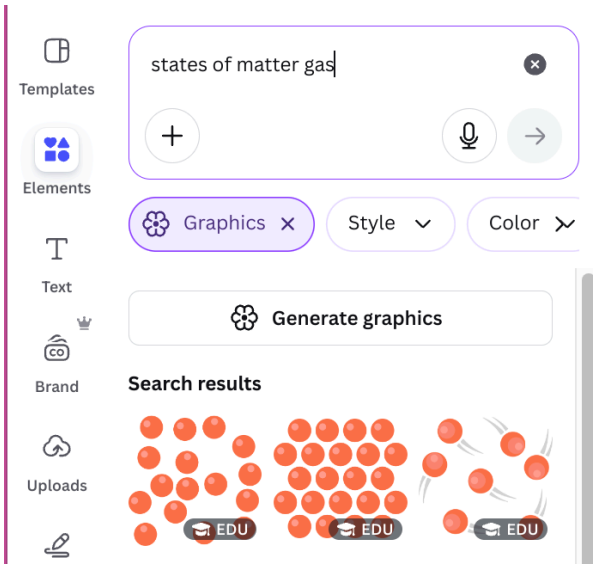
THEY ARE INVISIBLE NINJAS! MOST GASES, LIKE THE AIR AROUND YOU, ARE INVISIBLE. YOU CAN'T SEE THEM, BUT THEY ARE EVERYWHERE

This tool bar controls it all.

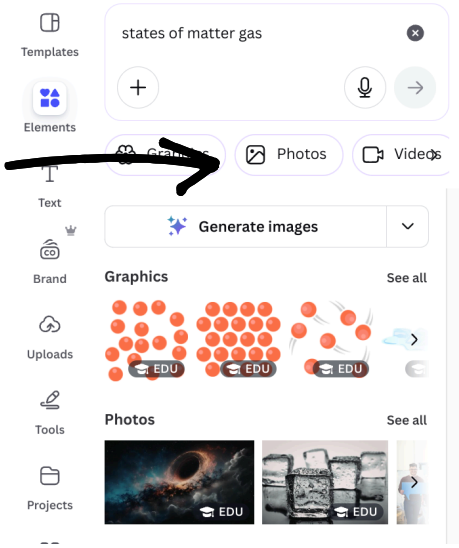


12. Once all of your text is in, the fun part starts! Go back to your first page and then click on Elements at the far left. Put in what you're looking for.



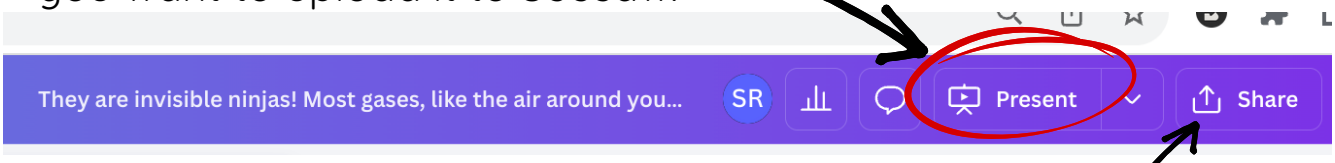


You can add graphics or switch to photos. Scroll through until you find what you like then click it. You can slide your image wherever you want it on the page.



13. Go through each page and add the graphics and photos you want.

14. When you're happy with it, decide if you want your class to view it on Canva or if you want to upload it to Seesaw.



15. If you want to put it on Seesaw, hit the share button and select DOWNLOAd and then pdf.
16. Open Seesaw>My Library>Create an Activity>Upload File.
17. Then drag your pdf onto Seesaw and save it.