DÉJÀ VU CANDLE
EXPERIMENT GUIDE

EXPERIMENT

Fun experiments disguised as a magic tricks!

EXPLANATION

Discover the science behind the magic!

EXPLORATION

Bring the "magic" to life with real world applications!

IN PARTNERSHIP WITH

SHPE NOCHE de CIENCIAS™

Interactive “family science nights” for high school students and families bring STEM to life. Imagine yourself in different STEM careers and discover what excites you. All the while, your parents learn how to support you in achieving these new found ambitions.

Diana Mogena
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SHPE Professional

Jay Flores
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SHPE Lifetime Member
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EXPERIMENT

Déjà Vu Candle

MATERIALS

2 Candles
Lighter
Adult Assistant

SAFETY

- Make sure to handle the lighter and candles with caution
- Always ask for adult permission before starting

WATCH (OPTIONAL)

Scan the QR Code below or visit www.jayfloresinspires.com/blog/magicsciencekit to watch "It's Not Magic, It's Science" hosts Jay Flores and Diana Mogena conduct the Déjà Vu Candle experiment!

EXPERIMENT

Déjà Vu Candle

INSTRUCTIONS

1. Gather all of your materials from the equipment list and set up a safe space to conduct the experiment
2. With adult supervision or support carefully light 2 candles
3. Carefully tilt the candles horizontally with with the bottom flame about 2 inches directly below the top flame
4. Blow out the bottom flame and adjust the candles so that the smoke trail travels to the top flame and watch as the flame travels back down and reignites the bottom candle
5. Remind everyone that "It's Not Magic, It's Science!"

Tip: Make sure you are in an area where there is no wind or draft. Watch the smoke trail carefully to know where to adjust the position of the top candle to.

EXPLANATION

Déjà Vu Candle

"MAGIC" REVEAL - HOW IT WORKS

We hope you enjoyed our Déjà Vu Candle experiment! You were able to blow out a candle and then "magically" light it back up!

So how did we do it? Remember, it's not magic, it's science! It looks like the top flame teleported but there is a trail of flammable materials that isn't easy to see.

When you blow out the bottom candle's flame there is a trail of smoke that rises towards the top flame. Within the smoke there are flammable materials including unburned wax vapor which reignites when it comes into contact with the flame and travels down the smoke trail until it reaches the bottom candle's wick.

BRING THE "MAGIC" TO LIFE

Now that you know the science behind the magic how do you think we can apply this science to solve real life problems? Use the following exploration pages to start bringing your ideas to life!

EXPLORATION

Déjà Vu Candle

IDEA NOTES & DESIGN SPACE

Don't limit your creativity. Dream BIG!

ABOUT SHPE

Organization Overview

SHPE is the nation's largest association dedicated to fostering Hispanic leadership in the STEM field.

Mission
SHPE changes lives by empowering the Hispanic community to realize its fullest potential and to impact the world through STEM awareness, access, support, and development.

Vision
SHPE's vision is a world where Hispanics are highly valued and influential as the leading innovators, scientists, mathematicians, and engineers.

SHPE Jr.
Starting early is the key to successfully exploring a future in Science, Technology, Engineering or Mathematics. If you're a high school student, and you think STEM might be the path for you, join a SHPE Jr. Chapter today. If your school doesn't have one, let's start one together!

SHPE NOCHE de CIENCIAS™
ENGAGING COMMUNITIES IN STEM