



Beautiful Savior

LUTHERAN SCHOOL

Excellence in Education Under the Gospel

Good morning families.

This morning I am going to share a science experiment with you. This is an easy, fun and simple science experiment. Any type of chemical reaction is fun to watch and makes for great hands on learning.

This magic milk science experiment is perfect as you already have all the items for it in your kitchen!

Younger children enjoy this experiment too. They will recognize the colours and identifying the colour names. They will observe what happens when two different colours are mixed together. I have seen children of all ages enjoy this experiment.

SUPPLIES:

- Full Fat Milk
- Food Colouring
- Dawn Dish Soap
- Cotton Swabs

MAGIC MILK SETUP:

- Start by pouring your milk into a baking dish or another flat bottom surface. You don't need a lot of milk, just to cover the bottom and then some.
- Next you want to fill the top of the milk with drops of colour! Go ahead and mix them all up. You can also throw some glitter in there but that's optional.

- Now pour a bit of your dish soap into a bowl, touch your cotton swab tip to the dish soap to coat it. Bring it over to your milk dish and gently touch the surface of the milk with the soapy cotton swab! **Look at the reaction!**



Magic milk explained (for the older children)

- Milk is made up of minerals, proteins and fats. Proteins and fats are susceptible to changes. When the dish soap is added to the milk, those molecules run around and try to attach to the fat molecules in the milk.
- You wouldn't see this without the food colouring. The food colouring looks like fireworks because it is getting bumped around.
- The soap heads for the fats creating the cool bursting of colours. When there is no more movement, all the fat molecules have been found.

This magic milk experiment is fun and mesmerizing – **ENJOY**

Have a wonderful weekend and enjoy this time with your family.

Mrs. Natasha Slawik

Director of Childcare Services