

ISTITUTO COMPRENSIVO TRENTO 5

Scuola secondaria di primo grado "G. Bresadola"

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SLIME BALLOON

Project by

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Classe 1E



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Purpose

Finding out whether the slime can dry out enough so to maintain the balloon's shape even when the balloon is popped with a needle.

Question

Will the slime be able to maintain the balloon's shape once dried?

Hypothesis

We believe that if the mixture of materials is correct, the slime will become solid enough to maintain the shape.

Materials

- glue 150 ml
- Bowl
- Spoon
- Detergent (brand: Dixan) 27 ml
- Colourant 4 ml
- Balloon
- Protective gloves, piece of paperboard, needle.

Procedure

How to prepare the slime: put the glue, the detergent and the colourant in the bowl; stir with the spoon until you obtain a uniform mixture. Blow up the balloon and fix it on a piece of paperboard with some tape so that it cannot float around.

Spread the slime all over it. Let it sit for at least three days in a cool place. Eventually, pop the balloon with a needle.

Results

The slime is not able to maintain the balloon's round shape but doesn't break in small pieces either.

Conclusion

- 1) If you put too much detergent the slime does not dry out enough to keep a shape.
- 2) The air coming out of the balloon so suddenly exerts too much pressure
- 3) The layer of slime was too thin

Poster

Purpose
To find out if the slime dries out enough so to keep the balloons shape, even after it's been popped.

Question
Once it is dried, will the slime maintain the balloon's shape?

Hypothesis
We believe the slime will dry out enough so to retain the balloon's shape even after we pop it.

Materials
- Glue 150 ml
- Spoon
- Detergent (dixan) 27ml
- Colourant 4 ml
- Balloon
- Container (a bowl)

Procedure
1. How to prepare the slime: put glue, detergent and colourant in a container. Stir with a spoon until you get a uniform mixture.
2. Spread the mixture on the balloon (blow up the balloon first)
3. Let the balloon sit for 3 days. After that, pop up the balloon and see if the mixture keeps its shape.

Results 8
The slime doesn't maintain the balloon shape, but doesn't broke in small pieces.

Conclusion
If you put too much detergent the slime does not become solid enough.