scoilnet
portal for irish education
lárshuíomh oideachais na héireann
Moran

AUTHOR | Ann

Materials and Change Investigation: Making Bath Bombs!

Children investigate the characteristics of different materials when wet and dry

Teacher instructions
Sort the children into small working groups to carry out their investigations. Explain to the children that they will be combining ingredients to make bath bombs. They will be investigating the effect of water on their dry bath bombs.

Give each group of children the following ingredients:

- 1 cup bicarbonate of soda
- A spray bottle containing a mixture of half lemon juice and half water
- 1 cup of Epsom salt or sea salt
- Mixing bowl and spoon
- Food colouring
- Essential oil
- Coconut oil
- Moulds (eg. cupcake cases or ice-cube trays)
- Glitter

Method:
1. Mix the bicarbonate of soda with the salt.
2. Gradually add in the lemon water mix one spray at a time, without allowing the mixture to become too wet. However, it should be wet enough for the powders to stick together.
3. Add a few drops of the food colouring.
4. Add a few drops of the essentials oil.
5. Add a tablespoon of the coconut oil.
6. Add glitter if desired.
7. Stir the mixture together and press into the moulds.
8. Leave to dry overnight at room temperature.

Give each group of children copies of the ‘Science Investigation Record Sheet’ below, so that they can record and communicate the findings of their investigation and evaluate their methods used.

scoilnet
portal for irish education
lárshuíomh oideachais na héireann
Moran

AUTHOR | Ann

Science Investigation Record Sheet

Investigation Title:
Investigation Question: What will happen to our dry bath bomb when it becomes wet?
Prediction:
Investigation Team members:
What We Did:
What We Used:
What We Learnt:
Diagram:
Our Evaluation of Our Method: