



The Best Cake in the World

You are the product designer for a cake manufacturer. You have to design 'The Best Cake in the World' for a National competition.

You can only use a selection of the ingredients listed below. Decide on a name for your cake as well.

You have

Rice Pops

Corn flakes

Honeycomb pieces

White Chocolate

Dark Chocolate

Milk Chocolate

White Marshmallows

Coloured Marshmallows

Sultanas

Candy-coated Chocolate

Other equipment: Plastic bowls, spoons, paper cake cases, microwavable container for melting chocolate or bowl of hot water*.

* Health and Safety watchpoint

Activity

1. Look at and evaluate manufactured crispy cakes, using as large a selection as possible. Evaluate on scale (appendix 1) - this is most effective if the children devise their own criteria e.g. appearance, sweetness, crispiness and score 0-5.
2. Present the children with ingredients, tasting is allowed! (marshmallows contain gelatin so substitute other dried fruits for vegetarian option)
3. Ask children to work in pairs or small groups to choose ingredients as in Appendix 2. Discuss manufacture process e.g. melting chocolate, consistent measurement of ingredients.
4. Make the cakes.
5. Encourage the children to evaluate their cakes on the same evaluation form. If time allows, let the children make improvements to their design until they produce the Best Cake they can.

Useful Questions

- How does your cake compare with the others?
 - Is the evaluation score helpful in identifying the best cake?
 - Try melting the marshmallows with the chocolate - what do you think will happen?
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Investigate!

Extension Activities

- Design packaging and marketing for cakes. This could include poster design, television campaign etc.
- Invite independent judge in to test cakes.
- Design a dessert/salad/breakfast bar using same process.

Research Opportunities

Food industry Advertising Market Research

Useful Websites

http://www.exploratorium.edu/exploring/exploring_chocolate/index.html

www.cadbury.co.uk

creativeminds The Creative Minds project works with museums libraries and archives across the Yorkshire region, to provide young people with learning opportunities in Science, Technology, Engineering & Maths (S.T.E.M.). This ground-breaking project is the first of its kind in the country and is managed by MLA Yorkshire. This pack was developed by Creative Minds and Eureka! The Museum for Children with funding from Yorkshire Forward.





Appendix 1

Criteria	Cake 1	Cake 2	Cake 3	Cake 4	My Cake

My favourite cake was

Because

My least favourite cake was

Because

I think my cake is

I would make it better by





Appendix 2

Cake Ingredients

Choose one ingredient from each box

Rice Pops
Cornflakes

Milk Chocolate
Dark Chocolate
White Chocolate

White Marshmallows
Coloured Marshmallows
Sultanas

Honeycomb pieces
Candy-coated pieces

My cake is called

My cake looks like this
