



WORKING

SCIENTIFICALLY

- Planning different types of enquiries to answer questions
- Taking measurements
- Recording data and results of increasing complexity
- Using test results to make predictions
- Reporting and presenting findings from enquiries
- Identifying scientific evidence that has been used to support or refute ideas or arguments

STORY STARTER:

One of the biggest chocolate companies in the world, Champion Chocs, has been inundated with letters, emails and phonecalls of complaint since changing the shape of their most famous chocolate bar. Members of the public are extremely upset that the new shape chocolate does not taste the same as before and are refusing to buy it. Scientists at the company are baffled. They can't understand what the problem is. They only changed the shape of the chocolate and not the ingredients or the recipe. The Shape has changed from a bar with sharp edges to a bar with rounded edges. Can you help?

N/C link LKS2:

Children should describe the simple functions of the basic parts of the digestive system in humans. Elsewhere, they should explore the rest of the digestive system, through activities such as modelling the digestive system, this should include work on the teeth

RESOURCES

- Plain, milk and white bars of chocolate
- Bowls, warm water, spoons for melting
- Different shaped moulds: smooth and round as well as angular (square, rectangle, triangle, star shaped)
- Please join the 2 half spheres to make a full sphere
- Identical white plates
- Timers
- Paper, post-it notes – as requested by the children

To source

OUTCOMES AND IMPLICATIONS:

The implications for this research are of great value to food and drink companies. If we refer back to Module A4 the Kiki Bouba Effect where we associate certain shapes with certain sensations, companies could influence how their products taste by creating them in certain shapes. Would it be possible to get more children eating healthy foods, containing less sugar, by presenting them in a smooth rounded shape?

