



making physics matter



Age
3-5
years

Phizzi enquiry

Stretchy chocolate

A Phizzi Foundation enquiry, taken from the EYFS Science Talk programme for Ogden primary partnerships.



Key questions

- Q. How does the chocolate button feel in your hand?
- Q. What is happening to it as you hold it for longer?
- Q. What would happen if we pull this toffee chocolate bar?
- Q. How could I speed up/slow down the change to the chocolate?

Resources

- A bag of chocolate buttons
- A range of stretchy materials (eg socks, tights, elastic bands, yoga bands)
- Chocolate bars with toffee (eg curly wurly, chomp)*
- Cloths/mats to reduce mess and slips
- Measuring equipment appropriate for age range (eg unifix cubes, rulers, tape measures)
- *H&S – be aware of food allergies

Early learning goals

C&L (40-60+) Understanding: Children answer 'how' and 'why' questions about their experiences.

UtW (40-60+) The world: Children know about similarities and differences in relation to places, objects, materials and living things.

Activity: Stretchy chocolate

Engage: Allow children to hold a chocolate button each and make observations. Ask pupils to think about what happens to chocolate if they hold it in their hands, or put it in the fridge.

Explore: Challenge children to stretch a chocolate bar without breaking it. You may choose to offer the children measuring equipment or simply have it available. Observe how children approach the task and use the resources. Use key questions to guide discussion.

Conclude: Ask the children if they were able to complete the task and to describe any difficulties they encountered. Invite them to make a list of top tips for stretching chocolate. Ask if they had other ideas they were not able to explore in this session (eg freezing the chocolate).

