

The Physics of SOAP Bubbles

A bubble is just our wrapped in soap film (which is made with soap and water). The outside and inside surfaces of a bubble consists of soap molecules and then a thin layer of water in between like a sandwich.

- When light waves hit a bubble, some of them reflect back off the outer part of the soap bubble film. Others carry on through but then reflect off the inner part of the film.
- As the two waves of light travel back, they interfere with one another causing what we know as colour. When the waves strengthen each other, the colour is more powerful. When the waves get close to cancelling each other out, there is almost no colour.

Websites we've used to make this poster are;

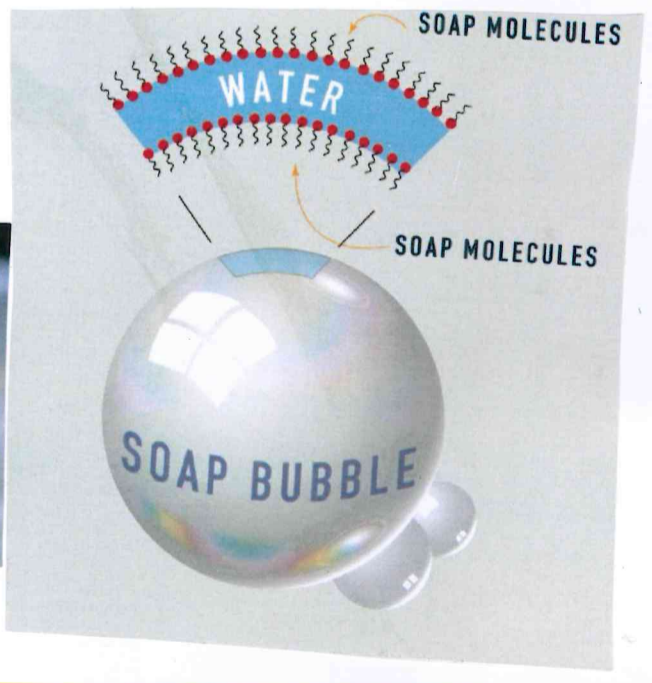
<http://wonders.physics.wisc.edu/>

<http://www.sciencefriday.com/>

<http://www.kidsdiscover.com/teacherresources/bubbles-for-kids/>

A Fun Fact!

BUBBLES CAN FREEZE!



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