Medway Sonic Hand-Washing Experience

A public artwork for The Rainbow Effect by Jackie Walduck.

Virus vs Soap (words: Vladimir Gubala)

Scientific explanation … why do we wash our hands for 20 seconds?

The weakest link in a coronavirus is the fatty outer membrane which gives the virus its special shape. When you wash your hands with soap, soap contains molecules called surfactants or amphiphiles. These soap molecules dissolve the virus membrane, it takes about 20 seconds, and the virus falls apart, like a house of cards.