



[PRESCHOOL SCIENCE](#) [SCIENCE FACTS](#) [PRINTABLE EXPERIMENTS](#)

[SCIENCE SPARKS BOOKS](#) [GREAT SCIENCE WEBSITES](#)

[SCIENCE QUESTIONS](#) [CONTACT ME](#) [ABOUT ME](#)



[SCIENCE PROJECTS](#) [STEM CHALLENGES](#) [EARLY YEARS SCIENCE](#)▼

[PRIMARY SCIENCE](#)▼ [HOLIDAY SCIENCE](#)▼

[Home](#) » [Why can you see a rainbow in bubbles?](#)

WHY CAN YOU SEE A RAINBOW IN BUBBLES?

June 4, 2012 By Emma Vanstone 30 Comments

Bubbles are one of the most fun things to play with...but what colour are they?

Transparent? Clear?

How about if you could make your bubbles all the colours of the rainbow?



HOW TO MAKE RAINBOW BUBBLES

An empty clear bottle

Washing up liquid

Water

A sink

An overcast day (works best)

☐ Fill the bottle about three quarters full with water

☐

☐



Add a squirt (scientific measuring there) of washing up liquid



Quickly tip the bottle and pour the water out fast.



You will find that the bottle is left full of bubbles.



These will look clear and normal to begin with but place the bottle on a windowsill and wait and watch over the next 30 seconds.



You will find that the bubbles will start to show signs of colour that will get stronger and stronger and that each bubble will look like it has been coloured like a rainbow!

WHY CAN YOU SEE A RAINBOW IN BUBBLES?



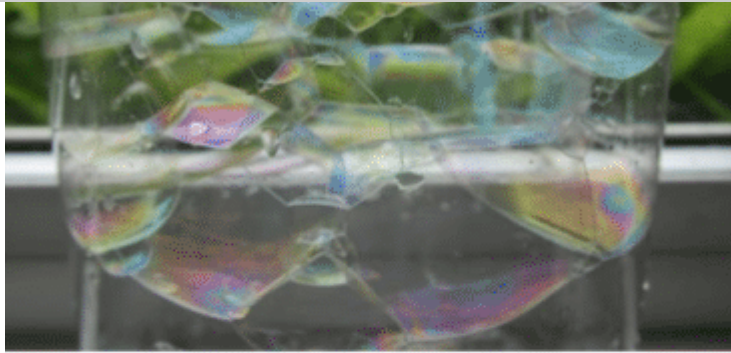
The colours of the rainbow are:

Richard Of York Gave Battle In Vain

Red, Orange, Yellow, Green, Blue, Indigo and violet

When white light from the sun shines through the film of the bubbles, the light is reflected and dispersed, splitting white light into its different wave lengths revealing all the colours of the rainbow!





**Why can you
see a
rainbow
in bubbles?**

