

Bubbleology Giant Bubble Kit

Create Magical Giant Bubbles!

Bring the wonder of science and play to life with Scientific Sue's Bubbleology Giant Bubble Kit — featuring the amazing Tri-String Bubble Wand and Bubbleology Giant Bubble Activator!

Perfect for:

- gardens
- parks
- science shows
- family fun
- schools and STEM activities



What's Inside?

- 1 Tri-String Bubble Wand
- 1 Bubbleology Giant Bubble Activator

You Will Also Need:

- 1 bottle Fairy Original washing-up liquid (320 ml)
- 2 litres water
- A bucket or large container



Tri-String Bubble Wand

Easy to Assemble – Easy to Use!

1

LAY OUT THE PARTS

You will have:

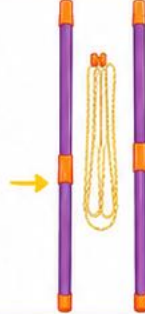
- 2 long poles
- 2 connectors
- 2 end caps
- 1 string set (pre-tied)



2

CONNECT THE POLES

Push the connectors into each pole. Repeat for both poles.

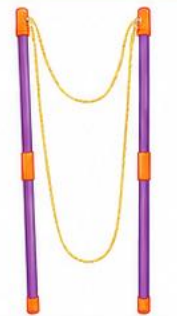


3

ATTACH THE STRING

Place the pre-tied string over the end caps on each pole to create the triangle.

Make sure it is secure.



4

OPEN & CREATE

Gently pull the poles apart and you're ready to make giant bubbles! Dip in solution and sweep through the air.



Meet Your Tri-String Bubble Wand

★ Available in vibrant Yellow or Purple!

The large triangular string design helps trap air and stretch the bubble film into spectacular giant bubbles.

Did you know?

Giant bubbles can be bigger than YOU!

The world record is over **32 metres long!**



How to Make Your Giant Bubble Solution



1

Pour premix into a bucket.

2

Add 1 bottle of Fairy Original (320 ml).

3

Add 2 litres of water.

Bubble Fact!

The more gently you mix, the less foam you create! Foam weakens the bubble film.



Stir gently.

Avoid whisking or stirring too quickly, as this can create foam. Do not use your bubble wand for stirring, as the strings may become tangled.



How to Create Giant Bubbles



On a Calm Day

- Dip the string fully into the solution.
- Lift the wand carefully.
- Open the sticks slowly.
- Walk backwards gently to catch the air.



Science Tip!

Moving slowly helps the bubble film stay even and strong, so your bubble can grow bigger!



You may need to practise your speed:



Too slow
→ no bubble



Too fast
→ bubble bursts



On a Light Breezy Day

Stand with your back to the wind. Open the wand and let the wind inflate the bubble naturally! If the wind is too strong, the pushing force of the air can burst the delicate bubble film.

Windy Weather Tip!

Light wind helps bubbles float. Strong wind can pop them! Find the sweet spot.



Did You Know?

Giant bubbles drift through the air because moving air molecules bump into the bubble film and push the bubble along!





Close the Wands to Make the Bubble Fly!

When your bubble is fully formed, gently bring the sticks together. This seals the soap film and allows the bubble to float away instead of collapsing. Think of it like tying off a balloon!



1 Make your bubble...



DIP & SWEEP!

Open the tri-string wand wide and let the bubble grow.

2 Close the wands...



Gently bring the wands together.

3 Seal the bubble...



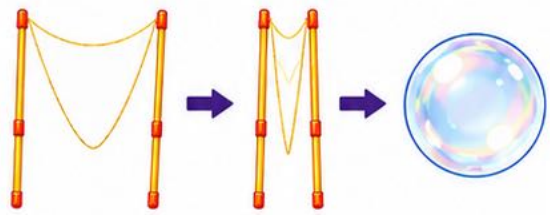
This seals the soap film and locks the bubble. Float away!

Watch your bubble fly!




Why It Works:

The soap film is a stretchy curtain made from water and soap. When you close the wands, you seal the edges together. This traps the air inside, helping the bubble float!



The Science Behind the Magic

- Bubble films are made from tiny layers of water trapped between soap molecules.
- The special plant-polymer blend in the Bubbleology Activator helps strengthen and stretch the bubble film.
- Air flow and wind help inflate the bubbles into giant floating shapes.



Safety & Storage

- ✓ Adult supervision recommended.
- ✓ Do not drink the solution.
- ✓ May make surfaces slippery.
- ✓ Avoid contact with eyes.
- ✓ Store Bubbleology Activator sealed in the fridge.
- ✓ For best results, use within 3 months.



Fun Fact!

Giant bubbles can be super strong!
Some bubble artists can put people inside bubbles!





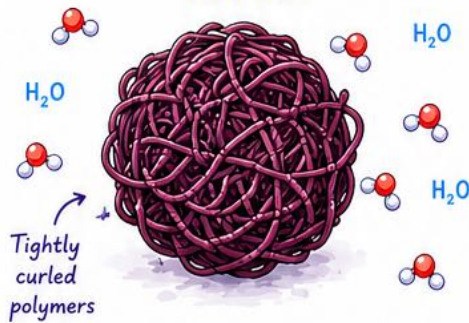
Bubbleology Science Tip



Why does overnight bubble mix work better?

FRESHLY MIXED

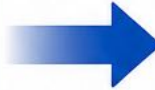
When the bubble mix is first made, the plant polymers are tightly curled up — like a scrunched-up ball of wool.



Polymers are still curled up and unevenly spread through the liquid.

Over time...

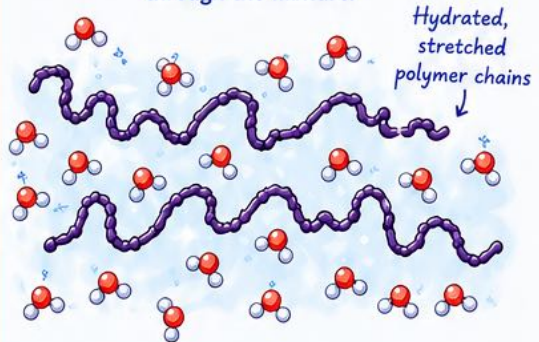
The polymers slowly absorb water and uncoil into long, stretchy chains.



Rest overnight for best results!

OVERNIGHT MIX

After resting overnight, the polymers are fully hydrated and spread out through the mixture.

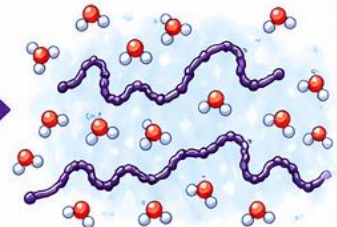
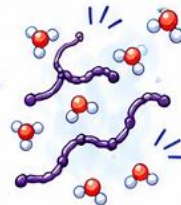


Polymers have fully hydrated and spread evenly through the liquid, creating a stronger and more flexible bubble film.

The Science in Action



- ✓ Polymer chains start out tightly curled and compact.
- ✓ As they absorb water, they uncoil and spread out.
- ✓ This creates a stronger, stretchier bubble film.



Top Tip!

For best results, mix your solution and let it rest overnight if you can!

Bubbleology Fact!

A bubble's rainbow colours are caused by light reflecting from different thicknesses of the bubble film. When the film becomes too thin, the bubble bursts!



Keep the bubble fun going!

More Tri-String Bubble Wands and Bubble Premix are available online.

www.science2life.com/shop

