



WILD SCIENCE ON THE WEB

To get all the latest news & information
about WILD SCIENCE, visit:
www.treetoys.com/wildscience

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Products in the Wild Science Range





Make & blend your own formula heavenly scents!
Then experiment with scented crystals,
sublime slime, forest pourri, scented note paper
& many more activities.

Instructions



Age Warning!

This kit is for use by children over 8 years old under strict adult supervision.

Not suitable for children under 36 months.

This product contains small parts that may represent a choking hazard.

Important Safety Information!

Perfume Laboratory is a safe and non-toxic activity kit when used as directed. However, like most activities, can be dangerous when used in the wrong way. Before starting the activities, read the safety information in this manual and also in the 'Safety Information' sheet provided with the kit. Keep the information for reference purposes. Should you require duplicate copies, please call or write to Interplay Customer Services (address details below).

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CAUTION!

The liquid colour provided in this kit may stain.
Do not use near textiles or furnishings.

Please Remember!

1. Read the Safety Leaflets before you start any activities.
2. Keep the caps on bottles and tubs when not in use.
3. Create a clean uncluttered working area. Work on an old newspaper or paper towels.
4. Put any waste in the bin, not down the sink.
5. Wash your hands after carrying out the activities.
6. Store this kit out of reach of small children.

Introduction

Welcome to our Smelly World!

We hope you have great fun with the experiments and activities in this kit.

You'll be using sample cards called base perfumes to create your own special blends.

To do that you'll be measuring, mixing, extracting, separating, filtering and more... in fact you'll be the research scientist in your own private perfumery!



What's in the Kit?

You should find the following components in your kit:

Sodium Polyacrylate Crystals

5 Empty Vials

Graduated Syringe

Stirring Sticks

Mixing Jar with Lid

Mini Measuring Cup

Dish

5ml Liquid Colouring

Cotton Wool Balls

'Sublime Slime' Powder

Tweezers

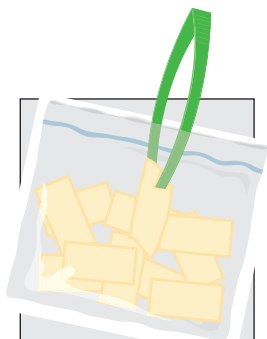
Storage Pouches

Base Perfume Samples

Sticky Labels



How to Extract Perfume

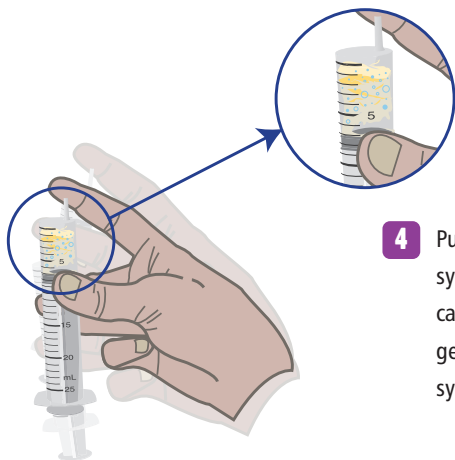


1 Firstly, separate the two parts of the syringe.

2 Use the tweezers to take out one of the scented card samples, and place it into the body of the syringe as shown. Use the plunger part of the syringe to push it all the way down to the bottom, next to the nozzle.

3 Now put about 10ml of water into the little cup. Use the Syringe to suck up 5ml of the water (use the graduations on the side of the syringe). With the syringe pointing upwards, suck in about 5ml of air, too.

Then pour the water out of the cup.

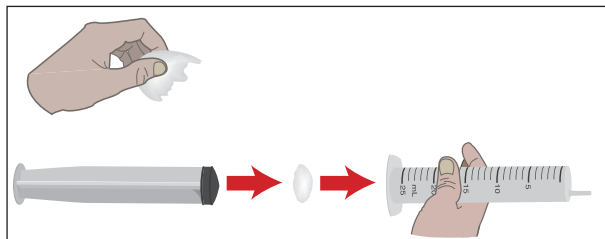


4 Put your finger over the nozzle of the syringe and shake! Keep going until the card breaks down into fibres, and then gently but firmly squeeze the liquid from the syringe back into the little cup.

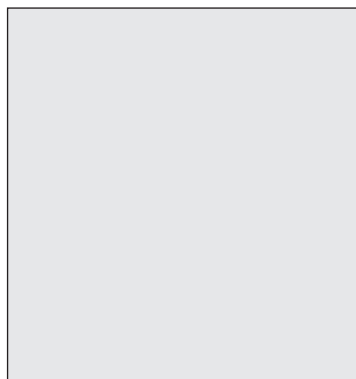


Congratulations! You've made your first batch of perfume! It will look a little cloudy, but it should smell lovely. Read on to find out how to filter your perfume to make it clearer.

- 5** You can use the syringe to make a filter for your perfume. Take one of the cotton wool balls, dampen it and push it right to the bottom of the syringe.

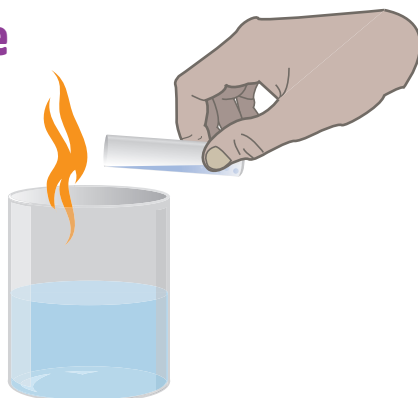
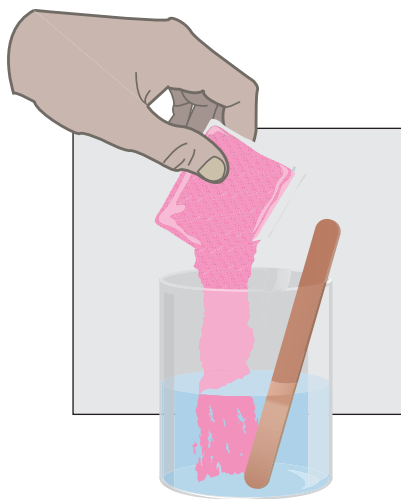


- 6** Hold the syringe over an empty vial, pour in your perfume and insert the plunger. Gently compress the cotton wool and force the liquid through. You should end up with about 3ml of liquid... you can add more or less water when making perfume to get a more or less concentrated product.

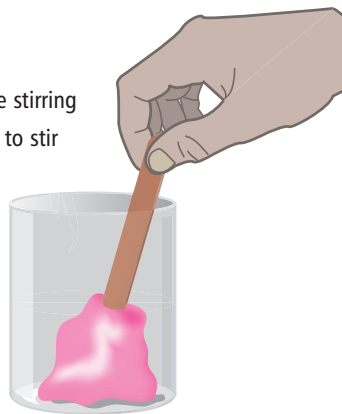


Make sublime perfumed slime

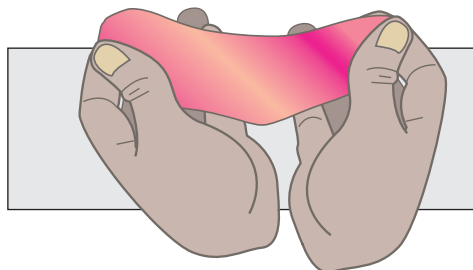
- 1 Half fill the jar with warm water, and add one vial of extracted perfume. Then shake in about half of the sachet of sublime slime powder.



- 2 Now stir with the stirring stick. You'll have to stir quite a lot!!



- 3 When it starts to pull away from the jar, take it out, and you'll find you can stretch and squeeze it by hand.



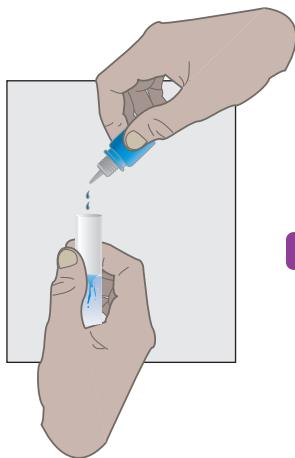
Make scented Pot Pourri

- 1 Take the dish, and add a small amount of sodium polyacrylate crystals. About half a capful should be ok... don't add too much!

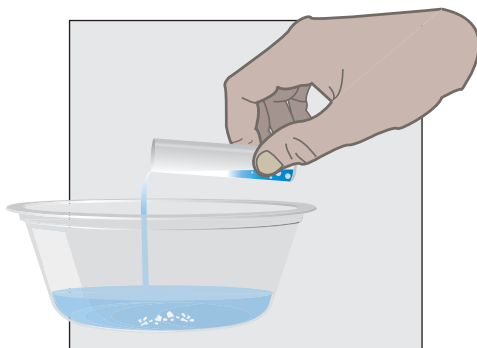


Make sure you put the cap straight back on the container with the crystals in. They can absorb hundreds of times their own weight in water, and will spoil if left exposed to the air.

- 2 Make up a vial of perfume and add a couple of drops of liquid colouring, but not too much. Put the lid on and shake the vial until it's all mixed up.



- 3 Tip the mixture into the dish with the sodium polyacrylate crystals. Wait for 20 minutes and see what happens! You can try adding some more water to increase the effect even more!





Experiments with Perfume

Try using petals from flowers instead of the perfumed card in the kit. Which flowers are the best?

Make your own perfume samples by soaking some card pieces with your favourite perfumes, and drying them out in the sun. Seal them up in the storage pouches.

Mix different combinations of the base samples to make your own unique perfumes. You could make vials for special friends... label them with the sticky labels in the kit, and write their names on.

Try making perfumed Birthday or Christmas cards... what kind of smell do you think would be good for Christmas?

If you have got the Wild Science Bath Bomb set, try using the oil in the kit instead of water to extract perfume. You can then make scented Bath Bombs!

You could try herbs instead of flowers to extract scent, or even some fruits... could you make an orange or lemon perfume?

Try making a scented natural pot pourri by collecting dried seeds, acorns, pine cones, dried flowers etc. Put them in a sealable bag, add a vial of perfume, and shake! Tip into a bowl and make your room smell great!

Do some experiments to see which perfume is the most powerful, and which lasts longest. Try filtering your perfume several times to make it really clear, and use different amounts of water to control the strength.



Here's the Science!

Your sense of smell is enormously powerful! It is almost 10,000 times more sensitive than your sense of taste, and warns you of dangers such as smoke and poisonous gases. It also helps you enjoy the full flavours of food and drink.

Smell is detected by olfactory receptors, which are tiny sensors in your nose. Really tiny hairs dangle from them. When you breathe in, chemicals in the air dissolve in mucus on the hairs and this triggers the olfactory receptors to send 'smell' messages to your brain. Even just a few molecules are enough to register a smell. If you think about some of the really horrible smells, the thought of how you actually get to smell them is pretty disgusting... but it's still science!

Not all animals smell through their noses... snakes smell through their tongue!





This Wild Science Kit supports the National Curriculum.

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|-----------------------|--|
| Science 2.1.2a | Ask questions that can be investigated scientifically and decide how to find answers. |
| Science 2.1.2c | Think about what might happen or try things out when deciding what to do, what kind of evidence to collect, and what equipment and materials to use. |
| Science 2.1.2l | Explain observations using scientific knowledge. |



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