

“酒”後吐真顏 “精”彩隨手變

Magic comes out in Alcohol!

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一、旨趣 Learning Objectives

經歷過去努力三年的防疫，許多學生對酒精不再陌生，也幾乎成為家家戶戶的必備消毒用品。

After three years of hard work in epidemic prevention, many students are familiar with alcohol and it has become an essential sanitizer to everyone.

然而，酒精被廣泛應用在生活中，除了可提供消毒，也常被用做能接觸或使用物質的溶劑，例如：香水、顏料及醫藥等。所以酒精也是溶劑和製造其他物質的原料。

However, besides sanitizing, alcohol is widely applied in daily life. It is acid free and used as a solvent, such as, in perfumes, paints and medicines. Therefore, alcohol is both a solvent and the ingredients of making other products.

這次酒精墨水畫之主題進行是在不易撕破，不易吸水的紙上面滴上墨水及酒精，進而藉由吹球的風搭配酒精墨水之流動特質，以紓壓及愉快的心情進行探究與創作。

The alcohol ink painting is to drop alcohol and ink on paper that is not easy to tear or absorb water. With the feature of flowing alcohol ink blown by a dust blower, you can easily create the painting in a relieved and pleasant mood.

二、實驗器材 Materials

1. 酒精墨水:基礎色與金屬色

Alcohol Ink: Basic colors and metallic colors

2. 酒精:95%酒精

Alcohol: 95% Ethanol

3. 吹球

Dust Blowers

4. 酒精墨水專用紙

Yupo Papers



▲酒精墨水



▲95%酒精



▲吹球

三、活動過程(操作步驟)Activity Procedure

1. 選定個人喜愛顏色 1-2 色。

Choose 1 or 2 favorite colors.

2. 先將墨水和酒精滴在專用紙上。

Drop ink and alcohol on Yupo papers.



3. 利用吹球的風向，讓酒精和墨水可以同時在紙上擴散流動。

Control the direction of the wind to allow the alcohol and ink to spread and flow on the paper at the same time.

4. 重複操作此動作，一手拿吹球一手滴酒精，讓酒精能將墨水顏料稀釋及流動，手執吹球吹風，讓風改變顏料流動方向。

Repeat Step 3 with a dust blower in one hand and an alcohol bottle in the other to change the directions of the pigments flow.



四、原理探討 Concepts

1. 擴散作用：95%酒精在其中扮演著有機溶劑可溶解色素的角色，同時為促使墨水可以快速被擴散流動，所以採用 95%酒精，同時其揮發迅速，故無須耗費更多時間等待乾燥。

Diffusion: 95% ethanol plays the role of organic solvent and makes pigments soluble in alcohol. Meanwhile, It evaporates quickly, so there is no need to spend more time waiting for drying.

2. 創作材料：本次墨水紙選擇以不易撕破，不易吸水的紙為主，利用墨水與創作材質的相斥相容的特質進行探究，立足於科學探究的客觀精神而言，國內外有多種酒精墨水專用紙可提供選擇，且效果也不一，皆要經過嘗試才會挑選適合用的廠牌。

Materials Selection: The ink paper chosen this time is mainly paper that is not easy to tear or absorb water. Explore the mutually exclusive and compatible qualities of ink and materials selection based on scientific inquiry. In terms of objective spirit, there are a variety of alcohol ink-specific papers available at home and abroad. The effects vary, and suitable brands need to be tested and selected.

3. 風力與風向：通常墨水滴在紙上後，利用風向將墨水吹至希望風向，所以可以用吸管、吹球、吹風機或熱風槍，創作時若用吹風機或熱風槍雖然可以迅速吹乾作品，但容易因為溫度太高導致紙材捲曲或縮皺。

Wind Force and Direction: Usually after the ink is dropped on the paper, the wind direction is used to blow the ink to the desired wind direction. The straws, dust blowers, hair dryers or heat guns are used to blow winds and control the flowing directions of the liquid. The hairdryers can dry it quickly, but it will also cause the paper shrunk or curled with high temperature.

簡言之，本次主題是透過控制風向與流體進行酒精墨水的流動畫之紓壓創作。

In a nutshell, the project is to create stress-relieving alcohol ink art through controlling wind direction and fluid.