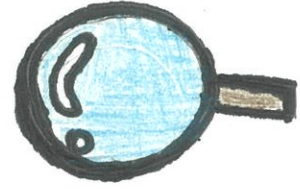


再生紙春聯之研發



充滿喜氣的紅包竟暗藏致命危機？

這天，關東煮在新聞上看到一則訊息...

最近快到過年了...啊...這怎麼辦...

而且聽說萬年紅這種春聯就含有重金屬...很難不接觸到...

轉頭一看

呵! 我忘了

對呀! 我們為了製作學校報告而查那麼多資料呢!

其中包括白紙、報紙、牛奶盒、紙箱

有很多白紙可以當計算紙，搖搖不丟

呵! 我們來自己造紙好了!

既然市售春聯不安全那就自己做吧!

但是你有信心可以成功嗎?

(吃瓜) 竊竊私語...

我們現在沒有器材呀!

而且也不知道如何製作

我們就相信他吧!

我們先從石定研究主題開始吧!

OK! 研究目的如下

YA!

研究目的:

1. 蒐集校內紙類回收的廢紙並建立造紙程序
2. 探討染紙方法並進行再生紙染色
3. 比較再生紙染色結果並與市售春聯
4. 訪問書法專家並進行改良

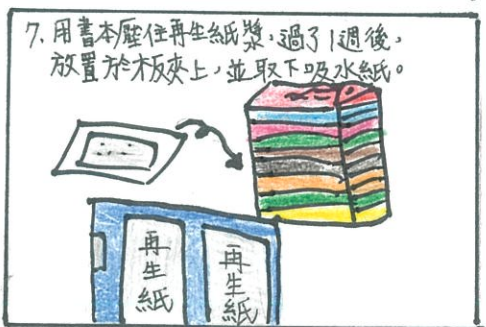
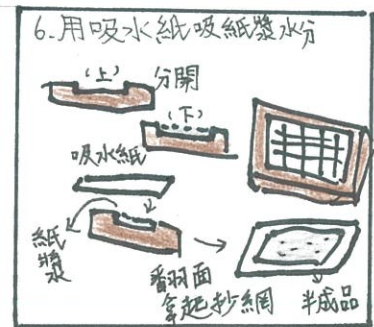
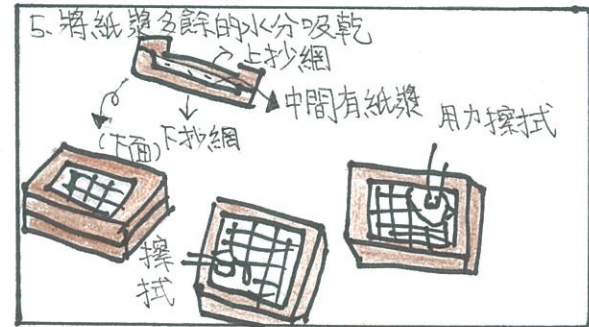
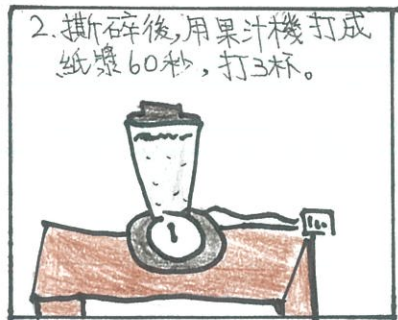
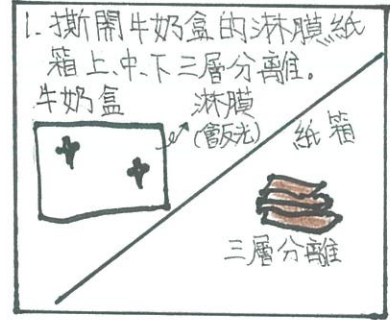
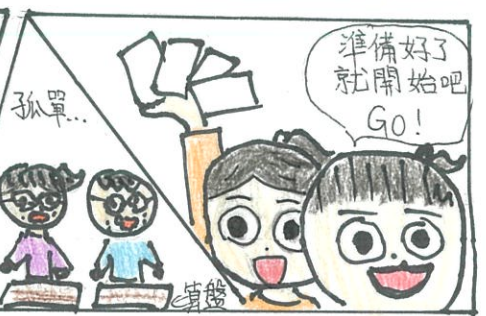
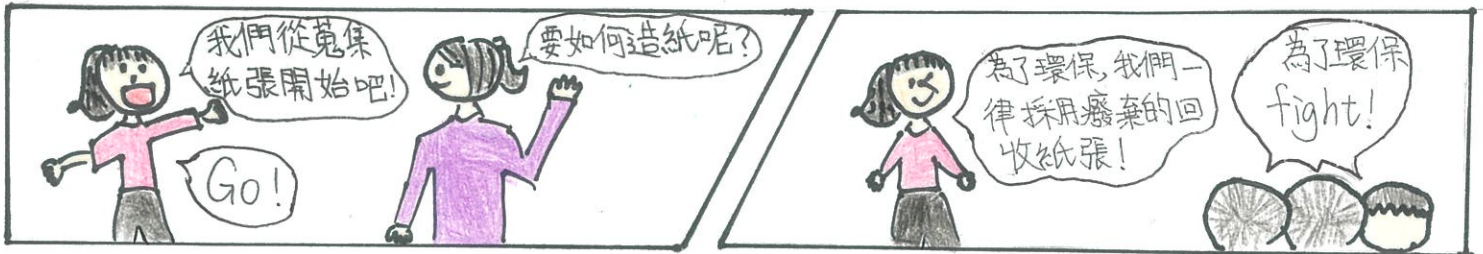
我先介紹造紙實驗中需要用到的器具吧!

造紙需要用到什麼材料?

分別有:

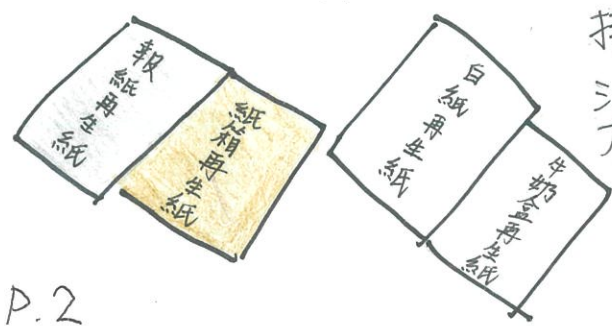
1. 抄網 (攪起紙漿)
2. 果汁機
3. 白紙、報紙、牛奶盒、紙箱

蒐集校內紙類回收,並建立造紙程序



將再生紙從板夾上取下就完成了!

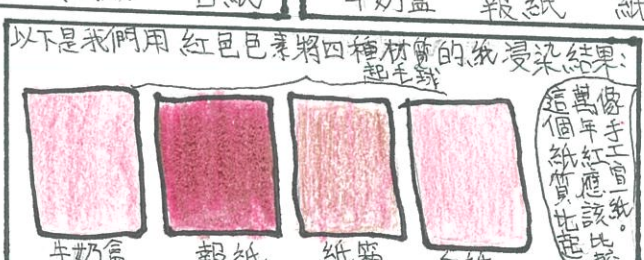
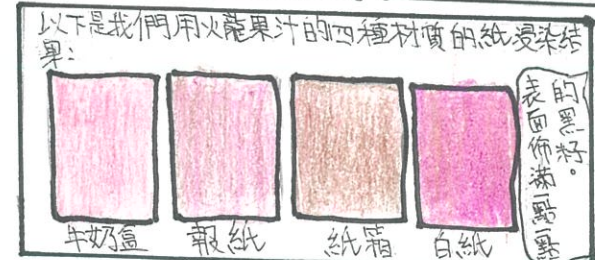
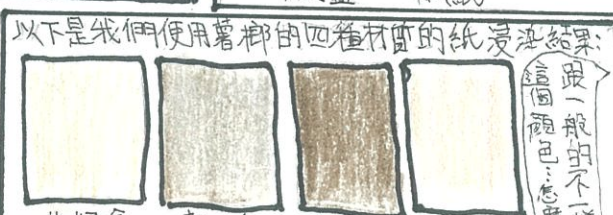
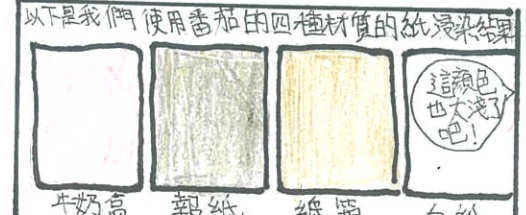
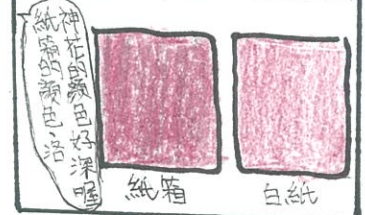
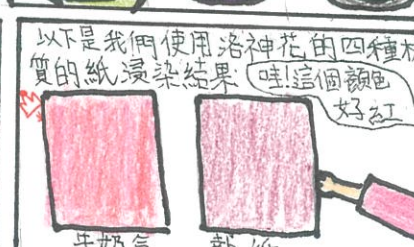
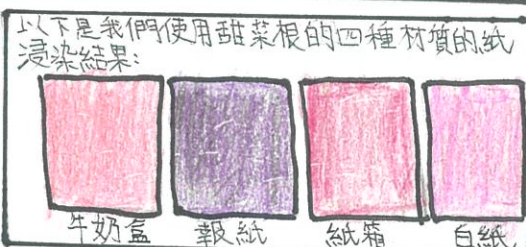
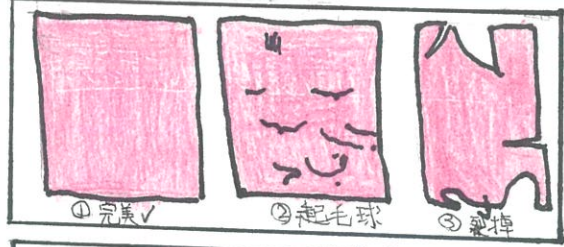
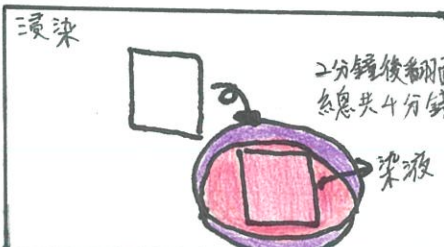
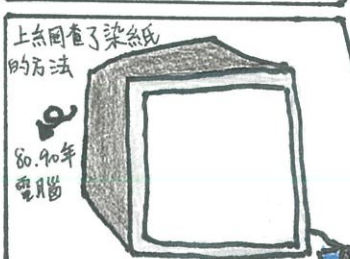
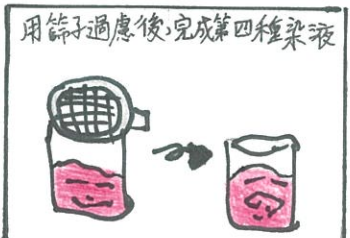
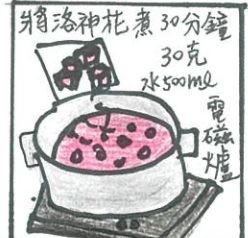
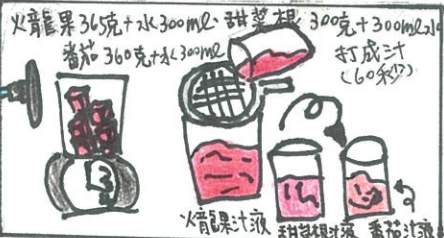
10080 minutes
(7 days)
Later.....
~ 等待再生紙晾乾 ~



接下來就可以
染紙了

探討染紙方法並進行再生紙染色

以下是我們蒐集的紅色系蔬果
那是天然染布的紅色染料 → 薯榔

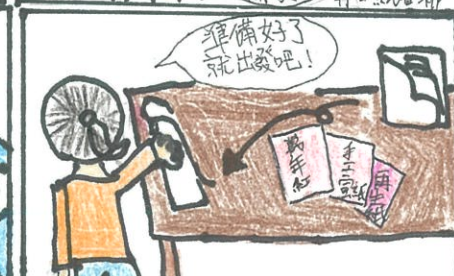
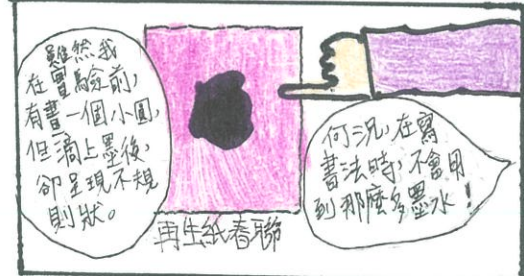
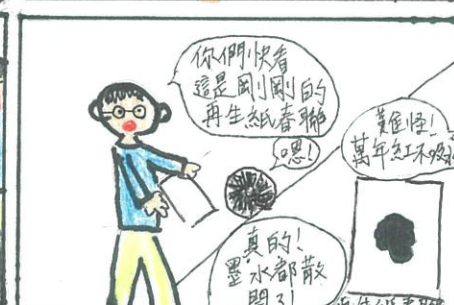
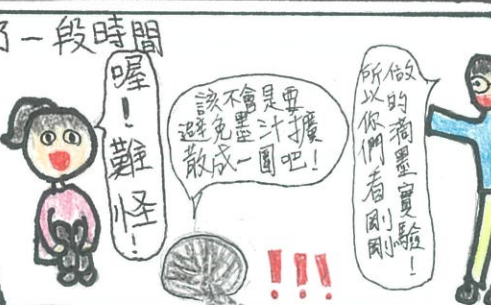
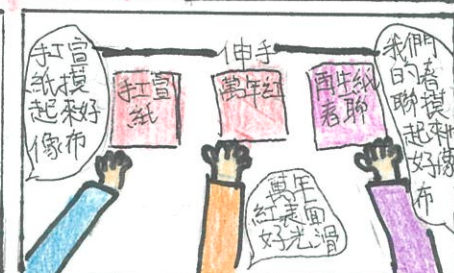
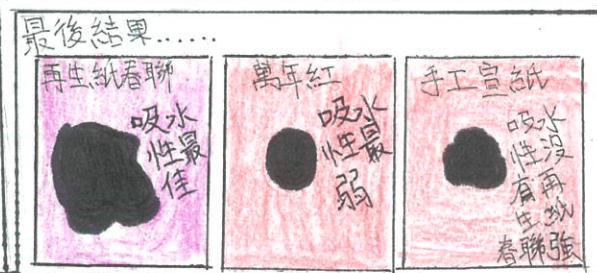
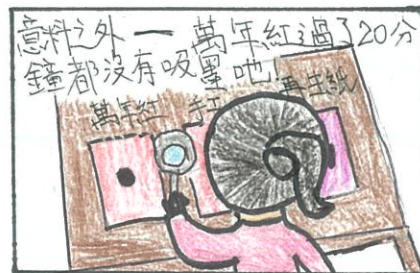
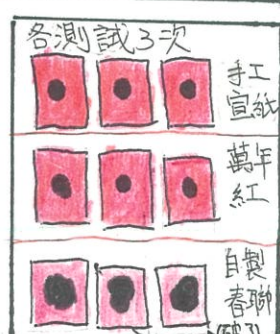
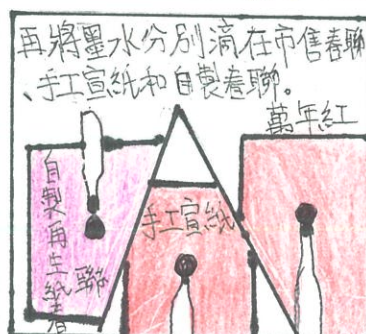
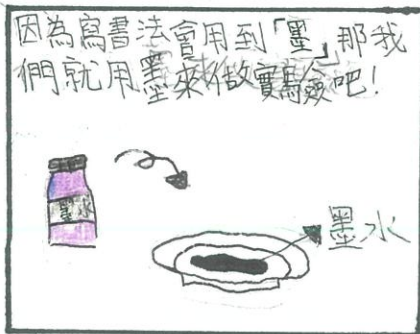
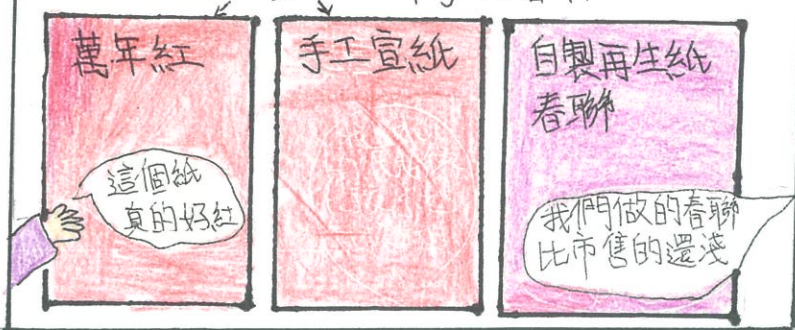


接下來就要從那些紙張中篩選出最「紅」的紙, 跟市售春聯比較!

★我們最後決定使用牛奶盒製作春聯, 因為它的顏色最接近正紅色的。最後選擇的染液是洛神花。

與市售春聯比較

以下是我們跟書法老師拿的春聯！



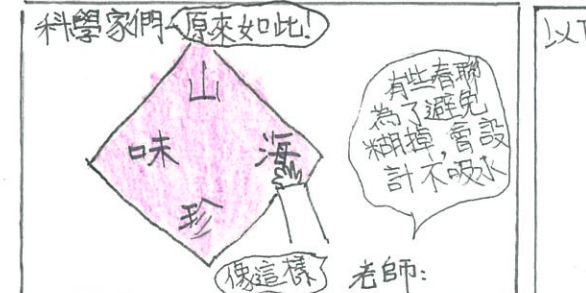
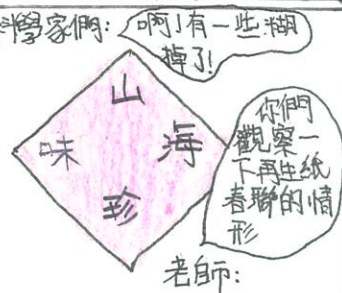
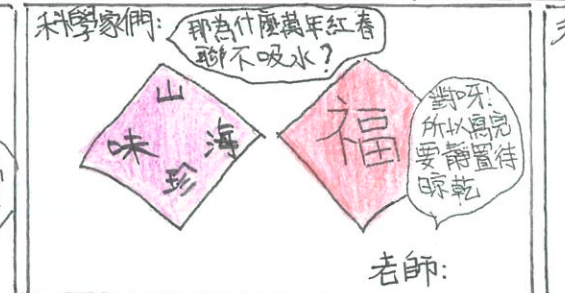
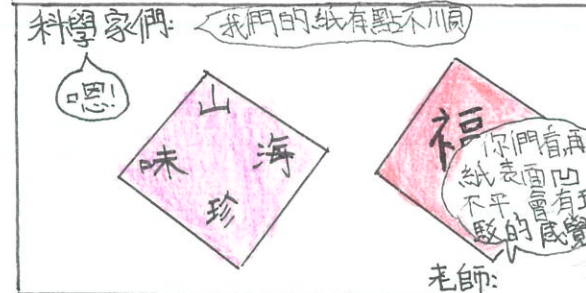
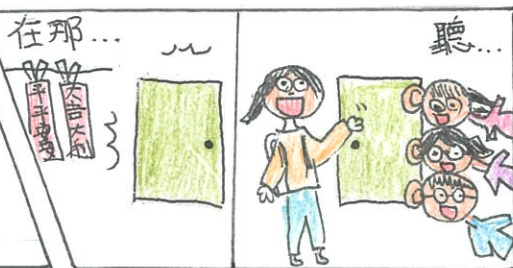
除了用肉眼觀察和比較顏色之外,我們還使用手機APP → 用手機掃描後,就可以看到RGB、RYB...



RGB: Red Green Blue (光的三原色)
RYB: Red Yellow Blue (顏色的三原色)



訪問書法老師,並進行改良



以下是我們彙整出我們須要改良的地方:

自製春聯的問題及改良方法

1. 在書寫時,紙張不滑順,寫出來的字會有點斑駁。
解決方法: 在造紙,使用網目較細的抄網,讓紙漿分布均勻。
2. 我們自製的春聯,吸附的墨太多了,導致表面會糊掉。
解決方法: 用吸墨性較差的紙製作再生紙春聯。

請看!