








一至六年級電子元件課概覽

		一年級	二年級	三年級	四年級	五年級	六年級
第一堂	畫元件圖示 + 畫實物圖	LED、電容	LED、電容、蜂鳴器	LED、電容、蜂鳴器、馬達	用 12K 電阻測試 LED、電容、蜂鳴器、馬達	用按鈕及 12K 電阻測試 LED、電容、蜂鳴器、馬達 麪包板加入起手式	用按鈕及 12K 電阻測試 LED、電容、蜂鳴器、馬達 麪包板加入起手式及並聯
第二堂	麪包板實驗 + 畫電路圖						

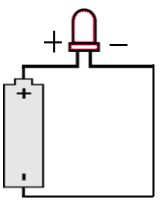
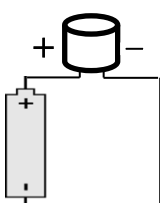
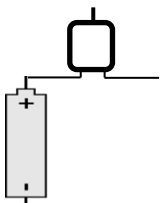
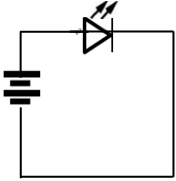
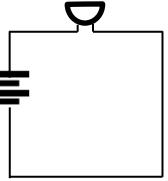
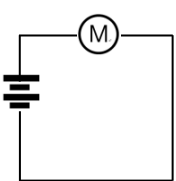
五年級電子元件工作紙

1. 試繪畫出以下不同電路元件的電路圖示

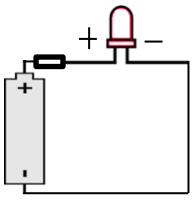
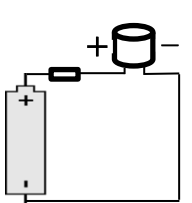
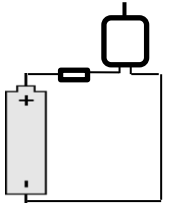
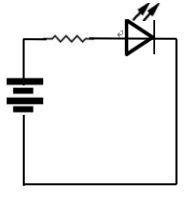
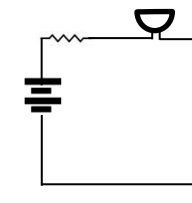
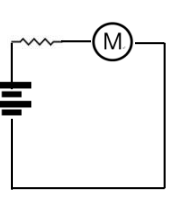
電池				
LED 燈				
電阻				
開關				

電容				
蜂鳴器				
馬達				

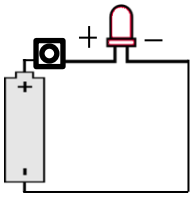
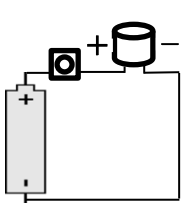
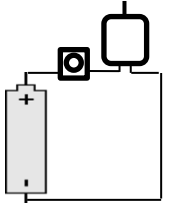
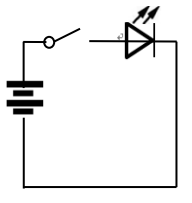
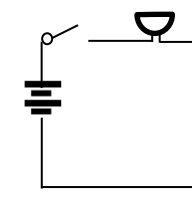
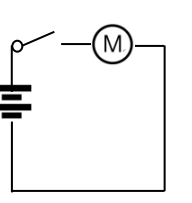
2. 測試 LED 燈、電容、蜂鳴器、馬達的特性
3. 二人一組用 12k 電阻及按鈕測試 LED 燈、蜂鳴器、馬達
4. LED 燈、蜂鳴器、馬達電路實物圖及電路圖

					
LED 燈電路實物圖	練習	蜂鳴器電路實物圖	練習	馬達電路實物圖	練習
					
LED 燈電路圖	練習	蜂鳴器電路圖	練習	馬達電路圖	練習

5. 加入 12k 電阻的 LED 燈、蜂鳴器、馬達電路實物圖及電路圖

 <p>LED 燈電路實物圖</p>	練習	 <p>蜂鳴器電路實物圖</p>	練習	 <p>馬達電路實物圖</p>	練習
 <p>LED 燈電路圖</p>	練習	 <p>蜂鳴器電路圖</p>	練習	 <p>馬達電路圖</p>	練習

6. 加入按鈕的 LED 燈、蜂鳴器、馬達電路實物圖及電路圖

 <p>LED 燈電路實物圖</p>	練習	 <p>蜂鳴器電路實物圖</p>	練習	 <p>馬達電路實物圖</p>	練習
 <p>LED 燈電路圖</p>	練習	 <p>蜂鳴器電路圖</p>	練習	 <p>馬達電路圖</p>	練習