




Stop Motion

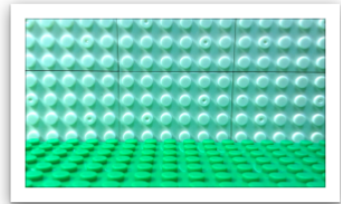


宣道會陳元喜小學

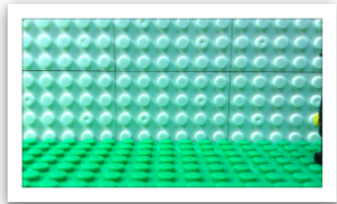
何謂 Stop Motion (定格動畫) ？

A black camera lens is positioned in the lower-left foreground, pointing towards the right. The background consists of a grid of circular studs on a blue surface, with a green surface below it. The overall scene is lit with a cool, blue-green light.

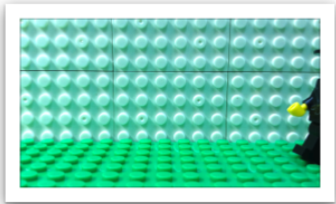
定格動畫，又名逐幀動畫，是一種動畫技術，其原理即將每幀不同的圖像連續播放，從而產生動畫效果。



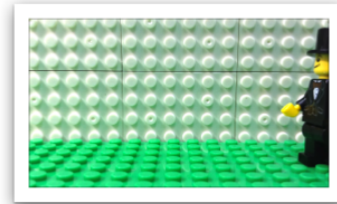
IMG_1455.JPG
2,592 × 1,458



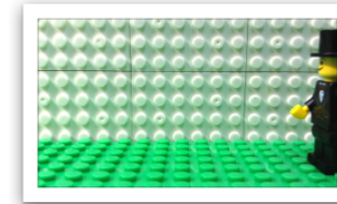
IMG_1456.JPG
2,592 × 1,458



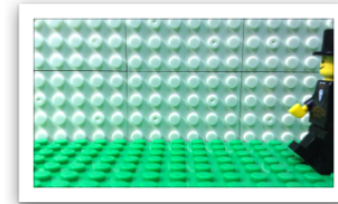
IMG_1457.JPG
2,592 × 1,458



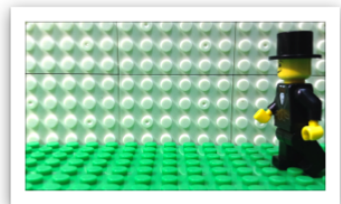
IMG_1458.JPG
2,592 × 1,458



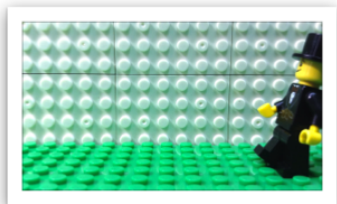
IMG_1459.JPG
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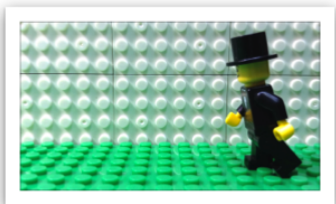
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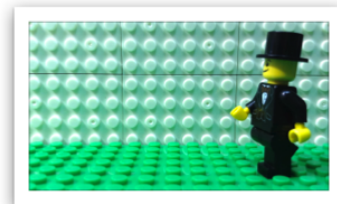
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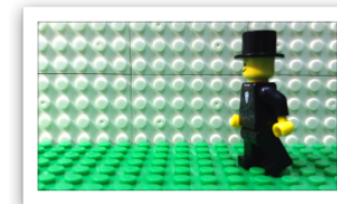
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2,592 × 1,458



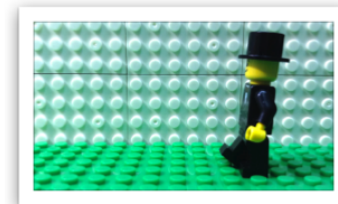
IMG_1463.JPG
2,592 × 1,458



IMG_1464.JPG
2,592 × 1,458



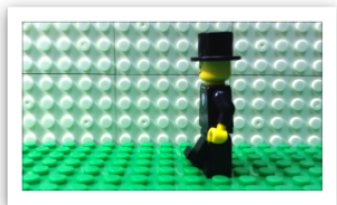
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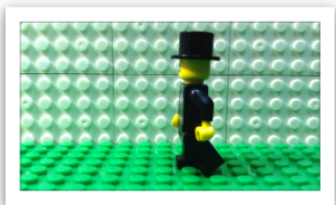
IMG_1466.JPG
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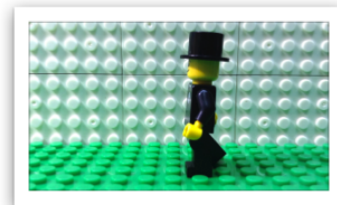
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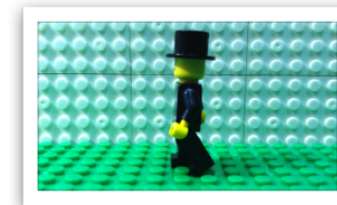
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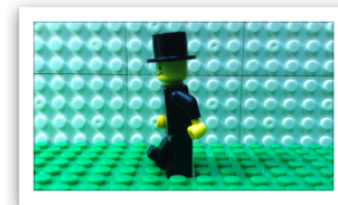
IMG_1469.JPG
2,592 × 1,458



IMG_1470.JPG
2,592 × 1,458



IMG_1471.JPG
2,592 × 1,458



IMG_1472.JPG
2,592 × 1,458

把每一個靜止的連續動作，拍攝下來，再依序串聯，就能形成一部 定格動畫。

定格動畫的類型

大致可分為：

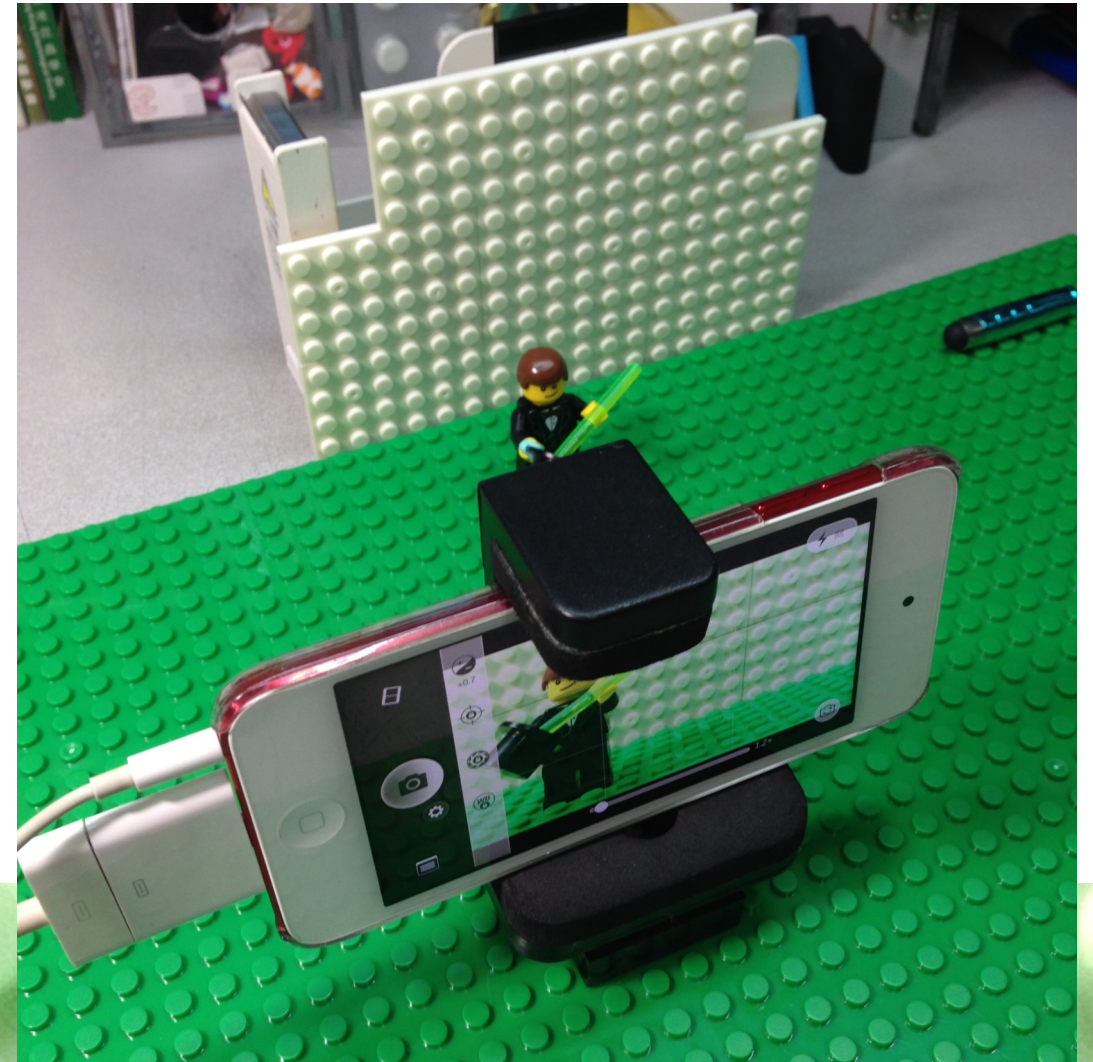
1. 黏土動畫
2. 剪紙動畫
3. 繪畫動畫
4. 模型動畫
5. 物體動畫
6. 真人動畫



製作定格動畫的方法



最基本製作定格動畫的方法：利用相機／電腦／平板電腦／智能電話等作拍攝工具，為對象拍攝一連串相片，再依序串聯 (每秒大約需要12-24張相片)。橡皮泥因為易於改動，是定格動畫常被人選用的材料，其成品則稱為黏土動畫。



製作定格動畫有**兩**大重點：

- A. 要固定器材的拍攝角度，穩定場景，讓你的人物／物件移動時有連貫的感覺。
- B. 也要注意光線的亮度跟角度，這樣出來的效果才會流暢自然。

定格動畫製作軟體

PC software: JellyCam , 會聲會影

App: Stop Motion Studio, Lego®Movie Maker, Stop Motion Cafe

PC software:

JellyCam <http://ticklypictures.com/#/projects/0>

會聲會影 <http://www.videostudiopro.com/en/products/videostudio/pro/>

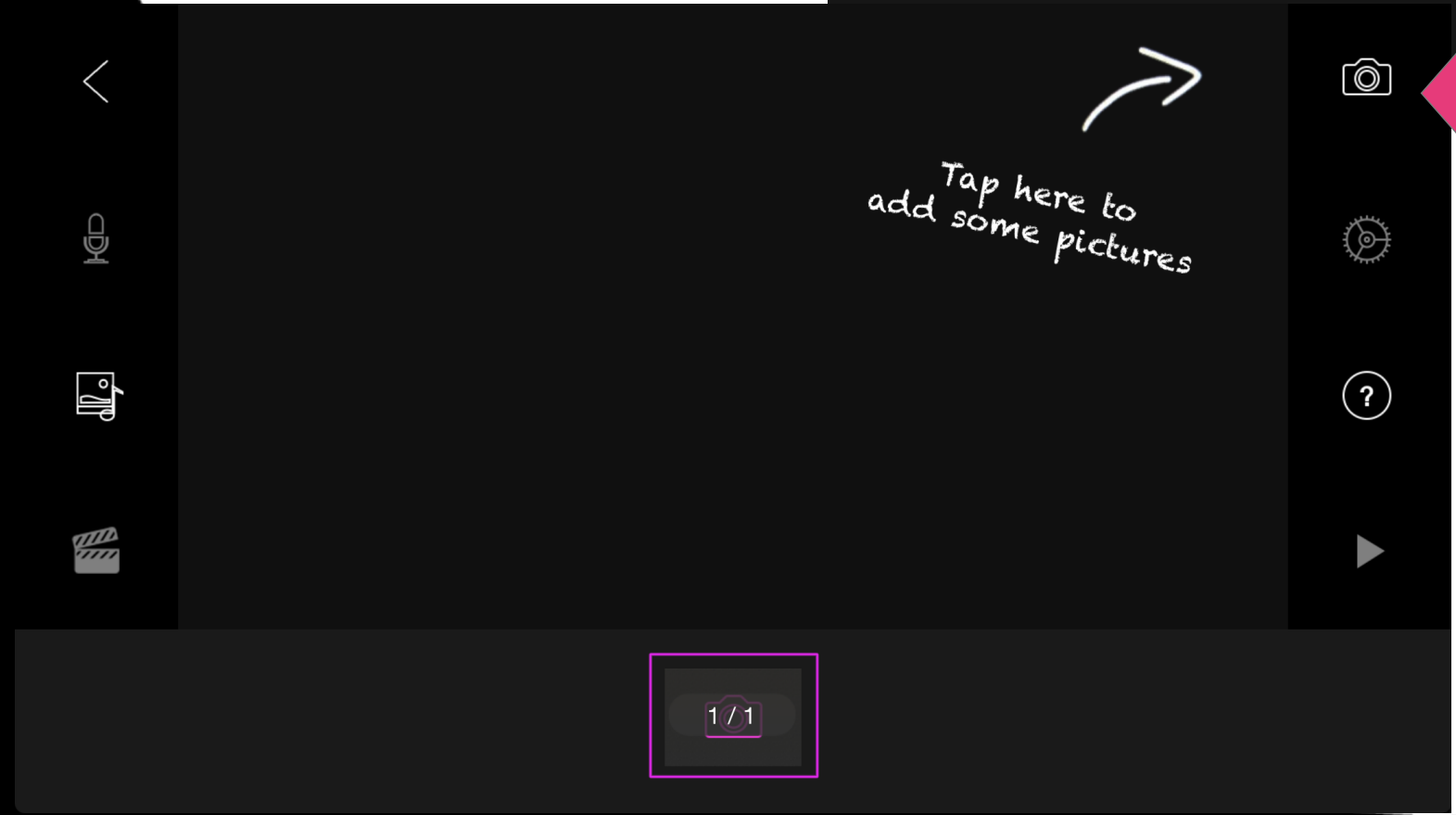
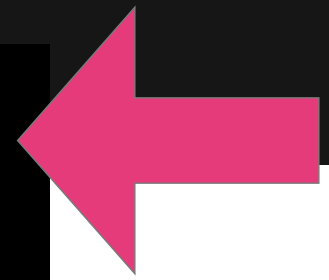
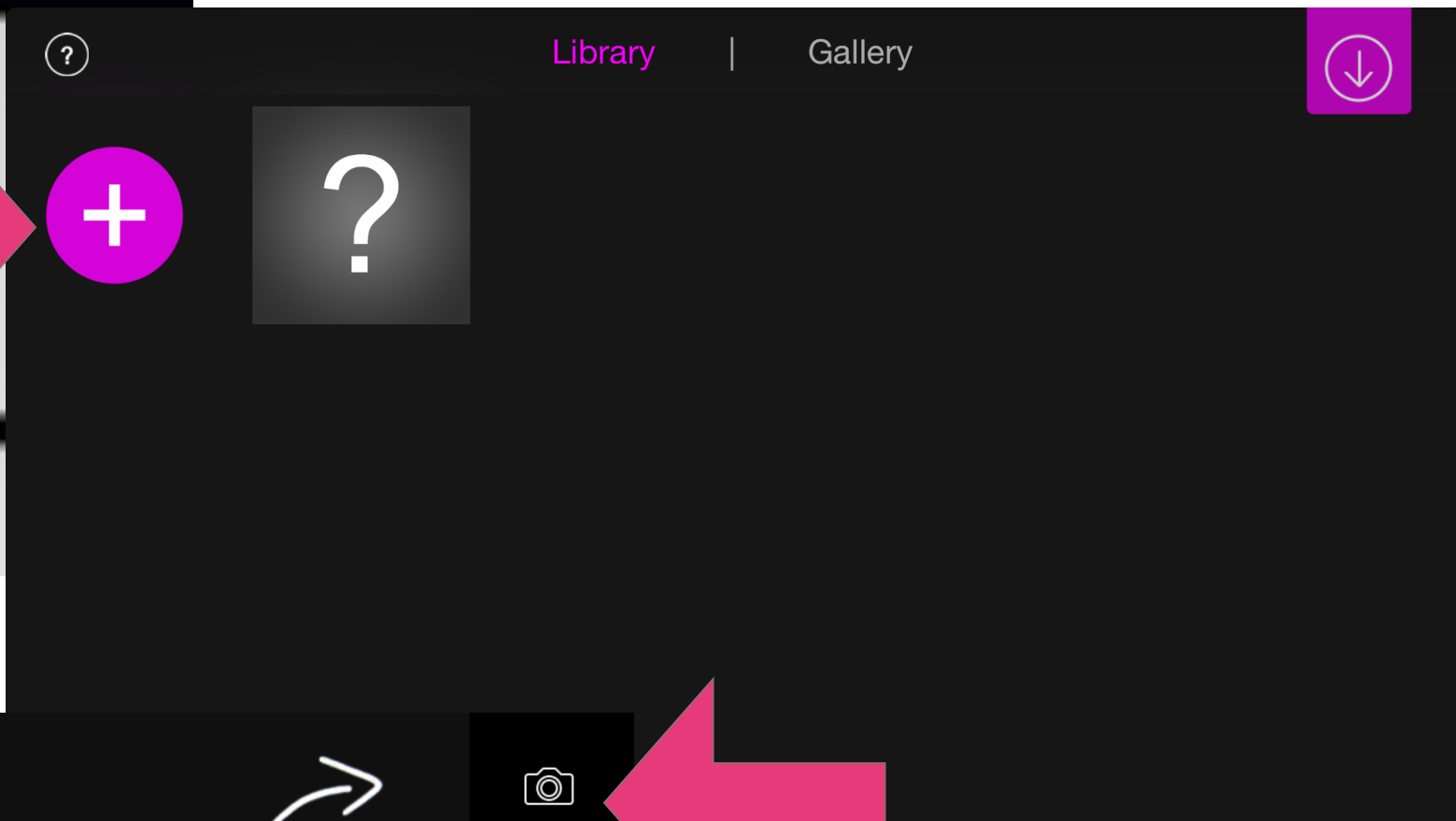
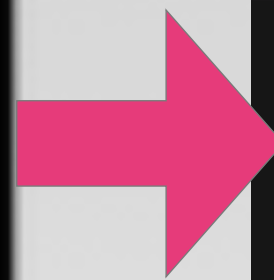
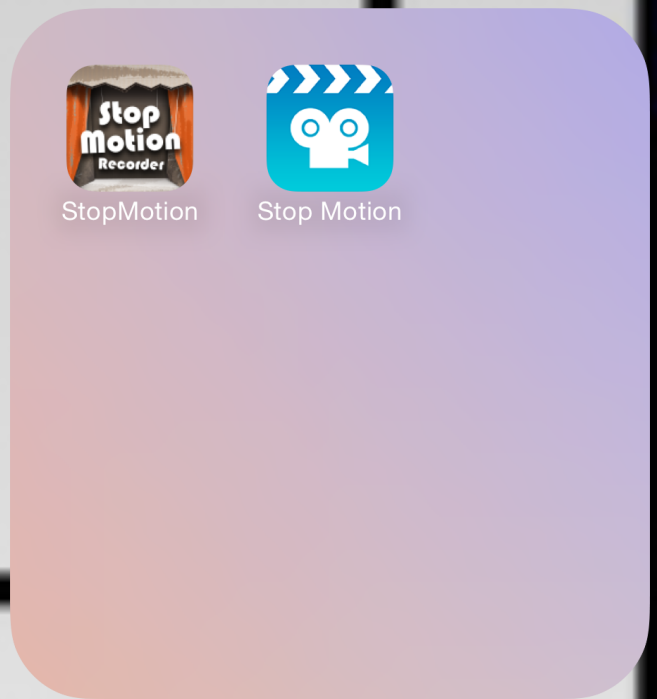
APP:

Stop Motion Studio <https://itunes.apple.com/us/app/stop-motion-studio/id441651297?mt=8>

Lego®Movie Maker <https://itunes.apple.com/hk/app/lego-movie-maker/id516001587?mt=8>

Stop Motion Cafe <https://itunes.apple.com/hk/app/stop-motion-cafe/id492389084?mt=8>





Stop Motion Studio畫面

小測驗

製作定格動畫，每秒要拍攝幾多張相片？

- A. 1-3張
- B. 6-9張
- C. 9-12張
- D. 12-24張

核對答案

相關網址

教學：

<http://digiphoto.techbang.com/posts/1236-stop-motion>

<http://movies.mxdwn.com/feature/what-makes-stop-motion-animation-so-special/>

短片：

獲奧斯卡提名 Stop Motion 作品「Head Over Heels」 <https://vimeo.com/54228768>

膠片 + iPhone 拍製出改寫現實的創意 Stop Motion <https://www.youtube.com/watch?v=9V-kc5Hc1iE>

15 歲少年以 LEGO Stop motion 精彩重現電影名場面

<http://morgspennyproductions.co.uk>