**研究問題：哪一種翼面材質能使飛行距離最遠？**

研究步驟

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| 1. | 分別以西卡紙、尼龍布、透明塑膠布、報紙、膠膜、墊板、垃圾袋，剪出面積約150 平方公分的三角形。 |  |
| 2. | 以竹籤當作滑翔翼骨架，製作滑翔翼。 |  |
| 3. | 以發射架〈仰角40度〉射出，拉長橡皮筋至55公分，手放開射出。 |  |
| 4. | 最後以碼表測量時間；再以捲尺測量飛行距離。 |  |

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| http://140.115.126.188:8080/osfis/images/guideline/2_3_1_1.png | http://140.115.126.188:8080/osfis/images/guideline/2_3_1_2.png | http://140.115.126.188:8080/osfis/images/guideline/2_3_1_3.png |
| 膠模、透明布、尼龍布 | 垃圾袋 | 報紙 |
| http://140.115.126.188:8080/osfis/images/guideline/2_3_1_4.png | http://140.115.126.188:8080/osfis/images/guideline/2_3_1_5.png | http://140.115.126.188:8080/osfis/images/guideline/2_3_1_6.png |
| 墊板 | 透明塑膠布 | 利用發射架投射 |

不同翼面材質-飛行距離與時間記錄表

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| 翼面材質 | 次數 | 一 | 二 | 三 | | 四 | | 五 | | 六 | | 七 | | 八 | 九 | 十 | 平均 |  |
| 尼龍布 | 飛行距離(m) |  |  | |  | |  | |  | |  | |  |  |  |  |  |  |
|  | 飛行時間(秒) |  |  | |  | |  | |  | |  | |  |  |  |  |  |  |
| 透明塑膠布 | 飛行距離(m) |  |  | |  | |  | |  | |  | |  |  |  |  |  |  |
|  | 飛行時間(秒) |  |  | |  | |  | |  | |  | |  |  |  |  |  |  |
| 報紙 | 飛行距離(m) |  |  | |  | |  | |  | |  | |  |  |  |  |  |  |
|  | 飛行時間(秒) |  |  | |  | |  | |  | |  | |  |  |  |  |  |  |
| 膠膜 | 飛行距離(m) |  |  | |  | |  | |  | |  | |  |  |  |  |  |  |
|  | 飛行時間(秒) |  |  | |  | |  | |  | |  | |  |  |  |  |  |  |
| 墊板 | 飛行距離(m) |  |  | |  | |  | |  | |  | |  |  |  |  |  |  |
|  | 飛行時間(秒) |  |  | |  | |  | |  | |  | |  |  |  |  |  |  |
| 垃圾袋 | 飛行距離(m) |  |  | |  | |  | |  | |  | |  |  |  |  |  |  |
|  | 飛行時間(秒) |  |  | |  | |  | |  | |  | |  |  |  |  |  |  |
| 西卡紙 | 飛行距離(m) |  |  | |  | |  | |  | |  | |  |  |  |  |  |  |
|  | 飛行時間(秒) |  |  | |  | |  | |  | |  | |  |  |  |  |  |  |