**附件一、****學校申請表**

**申請學校：花蓮縣光復鄉西富國民小學**

**申請經費總計(107/108/109學年度)：107-109，每年5萬元，共計15萬元整。**

**學校聯絡人及電話：(03)8702765#2，任宜菁。**

**申請內容簡述：**

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| **■辦理核心**：科技領域教學活化  ■實施內容：創意木工、STEM探索體驗活動、3D列印及文創設計。  ■實施目標：107年(在地創客)、108年(活用創客)、109年(科技創客)  ■辦理方式：   1. 於寒假或暑假辦理三期(各18小時)「創客假期花路米」親子營隊。 2. 第一期:結合本校在地資源(竹料、木料) 結合機械操作裝置、風車造型的組合，製作傳統瞭望台，發揮在地創客精神。 3. 第二期:以「trawbees 丟蛋大挑戰」為探索主題，活用知識，體驗STEM動動腦活動:使用Strawbees與吸管製作一個能保護生雞蛋的結構，分次從不同高度讓結構自由落下，從最高處丟下且雞蛋不破者獲勝。製作的過程禁止使用膠帶，膠水或任何Strawbees與吸管之外的其他材料。 4. 第二期及第三期:運用現有電腦教室或鄰校相關硬體資源(如雷切機)，購置相關設備耗材。配合學校特色，透過跨領域課程進行雷切、3D等科技產品進行文創設計。   ■經費編列：分列107、108、109學年度經費，若衍生其他經費由本校經費項下支應。  **第一期 創客假期花路米-風神瞭望台 (107學年度) 學員人數:20人**   |  |  |  |  |  | | --- | --- | --- | --- | --- | | 項目 | 數量 | 單位 | 單價 | 總價 | | 講師費 | 18 | 小時 | 800 | 14,400 | | 助理講師費 | 18 | 小時 | 400 | 7,200 | | 木料 | 1 | 式 | 6,000 | 6,000 | | 機械組合 | 1 | 式 | 5,000 | 5,000 | | 五金用料 | 1 | 式 | 3,000 | 3,000 | | 手提平刨機 | 1 | 台 | 7,000 | 7,000 | | 餐費(含講師、學員及工作人員) | 75 | 份 | 80 | 6,000 | | 雜支(文用用品等) | 1 | 式 | 1,400 | 1,400 | | **總計** |  |  |  | **50,000** |   **第二期 創客假期花路米- STEM動動腦 (108學年度) 學員人數:20人**   |  |  |  |  |  | | --- | --- | --- | --- | --- | | 項目 | 數量 | 單位 | 單價 | 總價 | | 講師費 | 18 | 小時 | 800 | 14,400 | | STEM體驗活動學校推廣組合(strawbees 丟蛋大挑戰) | 2 | 組 | 5,000 | 10,000 | | XYZprinting - da Vinci nano 3D列印機 | 1 | 台 | 7,000 | 7,000 | | 3D列印耗材 | 1 | 式 | 7,600 | 7,600 | | 雷切椴木板耗材(另借雷切機 ) | 80 | 片 | 30 | 2,400 | | 雷切透明壓克力(20cmX30cmX3mm厚) | 40 | 片 | 60 | 2,400 | | 餐費(含含講師、學員及工作人員) | 75 | 份 | 80 | 6,000 | | 雜支(文具用品等) | 1 | 式 | 200 | 200 | | **總計** |  |  |  | **50,000** |   **第三期 創客假期花路米-實踐夢想家 (109學年度) 學員人數:20人**   |  |  |  |  |  | | --- | --- | --- | --- | --- | | 項目 | 數量 | 單位 | 單價 | 總價 | | 講師費 | 18 | 小時 | 800 | 14,400 | | 教具3D筆套組 | 20 | 組 | 1,450 | 29,000 | | 餐費(含含講師、學員及工作人員) | 75 | 份 | 80 | 6,000 | | 雜支(文用用品等) | 1 | 式 | 600 | 600 | | **總計** |  |  |  | **50,000** |   ＊上述經費得依實際情況於必要時勻支 |