臺北市立復興高級中學111學年度第1學期教學進度表

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| 學科/科目 | | 工程設計專題 | | | 任課  教師 | | 劉庭維 | | 適用版本、教材 | | | 育達、自編教材 | | |
| 線上教學平臺 Google Classroom | | 任課班級 | | 205 | | 207 | |  | |  | | |  |  |
| 代碼 | | zfa7cqe | | etj225t | |  | |  | | |  |  |
| 任課班級 | |  | |  | |  | |  | | |  |  |
| 代碼 | |  | |  | |  | |  | | |  |  |
| 教學目標 | | 以工程設計流程為主軸 | | | | | | | | | | | | |
| 教學方式 | | 投影片、實際示範及操作練習 | | | | | | | | | | | | |
| 成績計算比例 | | 平時成績40%(出席、課堂參與、課程態度、學習單) 作品60% | | | | | | | | | | | | |
| 停課期間學生自行學習工作 | | 利用線上模擬軟體進行程式測試 | | | | | | | | | | | | |
| 線上學習資源 | | 造橋軟體、ARDUBLOCLIY、ARDUINO IDE | | | | | | | | | | | | |
| 週次 | 日期 | | 教學進度 | | | | | | | | 學生可自學的學習內容 | | | |
| 1 | 8/30~09/02 | | 課程介紹、課程規範說明 | | | | | | | |  | | | |
| 2 | 09/05~09/08 | | 結構知識內容說明 | | | | | | | |  | | | |
| 3 | 09/12~09/16 | | 橋的種類介紹、造橋軟體介紹 | | | | | | | |  | | | |
| 4 | 09/19~09/23 | | 完成軟體任務、造型實作說明 | | | | | | | |  | | | |
| 5 | 09/26~09/30 | | 設計橋梁 | | | | | | | |  | | | |
| 6 | 10/03~10/07 | | 製作橋梁 | | | | | | | |  | | | |
| 7 | 10/11~10/14 | | 製作橋梁 | | | | | | | |  | | | |
| 8 | 10/17~10/21 | | 製作、測試橋梁 | | | | | | | |  | | | |
| 9 | 10/24~10/28 | | 橋梁課程結尾 | | | | | | | |  | | | |
| 10 | 10/31~11/04 | | ARDUINO介紹 | | | | | | | |  | | | |
| 11 | 11/07~11/11 | | TINKERCAD程式模擬 | | | | | | | | TINKERCAD | | | |
| 12 | 11/14~11/18 | | TINKERCAD程式模擬 | | | | | | | | TINKERCAD | | | |
| 13 | 11/21~11/25 | | 介紹超音波自走車 | | | | | | | |  | | | |
| 14 | 11/28~12/02 | | 單超音波自走車製作 | | | | | | | |  | | | |
| 15 | 12/05~12/09 | | 單超音波自走車製作 | | | | | | | |  | | | |
| 16 | 12/12~12/16 | | 單超音波自走車測試 | | | | | | | |  | | | |
| 17 | 12/19~12/23 | | 雙超音波自走車製作 | | | | | | | |  | | | |
| 18 | 12/26~12/30 | | 雙超音波自走車製作 | | | | | | | |  | | | |
| 19 | 01/03~01/07 | | 雙超音波自走車製作 | | | | | | | |  | | | |
| 20 | 01/09~01/13 | | 雙超音波自走車測試 | | | | | | | |  | | | |
| 21 | 01/16~01/19 | | 課程結尾 | | | | | | | |  | | | |