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| Task X |
| **Toolkit**   * 2 x Male to male DuPont cables * Bread Board * LED * 1x Double AA Battery Pack   **Task**  Please read the following task. When you are ready to start please say “Ready”.  In this task we would like you to:   * Connect LED to bread board * Connect Battery pack to Breadboard * Power LED on the Bread board   Please read chapter 3: Equipment for guidance.  Thank you, this is the end of Task X.  We will ask you to start the next task shortly. |

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| Task #1 | | Power LED though breadboard with battery pack | | |  |
| Description: The user must be able to power the LED using the battery power pack though the breadboard. | | | | | |
| Completed (Y/N): | |  | | | |
| Time spent on task: | |  | | | |
| Action Sequence | | | User Comments | Observer Comments | |
| 🞏 | Step 1 | |  |  | |
| 🞏 | Step 2 | |  |  | |
| 🞏 | Step 3 | |  |  | |
| 🞏 | Step 4 | |  |  | |
| 🞏 | Step 5 | |  |  | |
| 🞏 | Step 6 | |  |  | |
| 🞏 | Step 7 | |  |  | |
| 🞏 | Step 8 | |  |  | |
| 🞏 | Step 9 | |  |  | |
| 🞏 | Step 10 | |  |  | |
| General Comments: | | | | | |

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| Task 2 |
| **Toolkit**   * ESP8266-12 * 4 x Female to male DuPont cables * USB to serial converter (FTDI) * Micro USB to USB cable * Phone (optional)   **Task**  Please read the following task. When you are ready to start please say “Ready”.  In this task we would like you to:   * Blink the LED on the ESP8266 – 12 through a webserver * Save file init to ESP8266 – 12   Please follow the guide on chapter 7 Project 1: Hello World! Section: Code to blink LED through webserver.  Thank you, this is the end of Task 2.  We will ask you to start the next task shortly. |

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| Task #2 | | Code to blink the LED through the webserver on the ESP8266 - 12 using the ESPlorer IDE | | |  |
| Description: The user must be able to blink the LED on the ESP8266 - 12 on/off on the ESPlorer through the webserver using the code given at the guide. Save the file to init so the device can boot up the code on startup. | | | | | |
| Completed (Y/N): | |  | | | |
| Time spent on task: | |  | | | |
| Action Sequence | | | User Comments | Observer Comments | |
| 🞏 | Step 1 | |  |  | |
| 🞏 | Step 2 | |  |  | |
| 🞏 | Step 3 | |  |  | |
| 🞏 | Step 4 | |  |  | |
| 🞏 | Step 5 | |  |  | |
| 🞏 | Step 6 | |  |  | |
| 🞏 | Step 7 | |  |  | |
| 🞏 | Step 8 | |  |  | |
| 🞏 | Step 9 | |  |  | |
| General Comments: | | | | | |

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| Task 3 |
| **Toolkit**   * ESP8266 - 1 * 9 x Female to male DuPont cables * USB to serial converter (FTDI) * Breadboard * Micro USB to USB cable * Resistor   **Task**  Please read the following task. When you are ready to start please say “Ready”.  In this task we would like you to:   * Blink the LED on the ESP8266 - 1 * Load samples codes onto the ESPlorer IDE * Save file to ESP8266 – 1   Please follow the guide on chapter 7 Project 1: Hello World! Section: Code to blink LED  Thank you, this is the end of Task 3.  We will ask you to start the next task shortly. |

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| Task #3 | | Code to blink the LED on the ESP8266 - 1 using the ESPlorer IDE | | |  |
| Description: The user must be able to blink the LED on the ESP8266 - 1 on/off on the ESPlorer using the code given at the guide. Load samples codes onto the ESPlorer IDE and save file | | | | | |
| Completed (Y/N): | |  | | | |
| Time spent on task: | |  | | | |
| Action Sequence | | | User Comments | Observer Comments | |
| 🞏 | Step 1 | |  |  | |
| 🞏 | Step 2 | |  |  | |
| 🞏 | Step 3 | |  |  | |
| 🞏 | Step 4 | |  |  | |
| 🞏 | Step 5 | |  |  | |
| 🞏 | Step 6 | |  |  | |
| 🞏 | Step 7 | |  |  | |
| 🞏 | Step 8 | |  |  | |
| 🞏 | Step 9 | |  |  | |
| 🞏 | Step 10 | |  |  | |
| General Comments: | | | | | |

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| Task 4 |
| **Toolkit**   * ESP8266 - 1 * 9 x Female to male DuPont cables * USB to serial converter (FTDI) * Breadboard * Micro USB to USB cable * Resistor   **Task**  Please read the following task. When you are ready to start please say “Ready”.  In this task we would like you to:   * Blink the LED on the ESP8266 - 1 * Load samples codes onto the ESPlorer IDE * Save file to ESP8266   Please follow the guide on chapter 7 Project 1: Hello World! Section: Code to blink LED through webserver.  Thank you, this is the end of Task 4.  We will ask you to start the next task shortly. |

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| Task #4 | | Code to blink the LED through the webserver on the ESP8266 – 1 using the ESPlorer IDE | | |  |
| Description: The user must be able to blink the LED on the ESP8266 - 1 on/off on the ESPlorer through the webserver using the code given at the guide. Save the file to init so the device can boot up the code on startup. | | | | | |
| Completed (Y/N): | |  | | | |
| Time spent on task: | |  | | | |
| Action Sequence | | | User Comments | Observer Comments | |
| 🞏 | Step 1 | |  |  | |
| 🞏 | Step 2 | |  |  | |
| 🞏 | Step 3 | |  |  | |
| 🞏 | Step 4 | |  |  | |
| 🞏 | Step 5 | |  |  | |
| 🞏 | Step 6 | |  |  | |
| 🞏 | Step 7 | |  |  | |
| 🞏 | Step 8 | |  |  | |
| 🞏 | Step 9 | |  |  | |
| General Comments: | | | | | |