|  |  |  |
| --- | --- | --- |
|  | **LEVEL 1 / 2 VOCATIONAL AWARD IN ENGINEERING**  **UNIT 2: DESIGNING ENGINEERING PRODUCTS (5799U2)**  **Assessment Record Sheet (ARS)** |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Centre Name:** | **Centre Number:** |  |  |  |  |  |
| **Candidate Name:** | **Candidate Number:** | 4 |  |  |  |  |

| **Task** | | **Assessor comments**  *(if not supported by annotations throughout candidate’s work, summative comments must be detailed and comprehensive to fully justify mark/s awarded)* | **Mark awarded** | | |
| --- | --- | --- | --- | --- | --- |
| **AO1** | **AO2** | **AO3** |
| 1a(i) | Explain the individual functions of the primary features of the product. |  |  | / 2 |  |
| 1a(ii) | Suggest **at least two** other engineered products that have similar functional properties to those required by the given brief. |  |  | / 2 |  |
| 1b | Justify how the functional properties of the found engineered products meet the requirements of the brief. |  |  |  | / 5 |
| 2a | Design a range of solutions that meet the brief and design specification. |  |  | / 4 |  |
| 2b | Evaluate how your designs meet the criteria set in the brief and design specification. |  |  |  | / 4 |
| 2c | Present your design ideas clearly using suitable media appropriate to the information being displayed. |  |  | / 4 |  |
| 3a | Draw, using conventions, engineering drawings of your final design solution. |  |  | / 6 |  |
| 3b | Outline a engineering specification that addresses key points required to produce the design solution. |  | / 3 |  |  |
| 4a | Apply mathematical techniques to determine specific problems identified in the given brief. |  |  | / 4 |  |
| 4b | The prototype is to be produced by a third party. You must advise the third party about:  • materials which may be used in the production of the proposed design modification  • processes for producing the component parts of the modified design.  Choices should be justified. |  |  |  | / 6 |
| **Total marks** | | | **/ 3** | **/ 22** | **/ 15** |
| **/ 40** | | |

|  |  |
| --- | --- |
| **Assessor Name:** | |
| I confirm that the evidence submitted by the candidate has been produced under the controlled conditions set out in the assignment tasks by the learner. I have authenticated the learner’s work and I am satisfied that to the best of my knowledge the work produced is solely that of the learner. The learner has clearly referenced any sources and any AI tools used in the work. I understand that a false declaration is a form of malpractice.  The work has not been submitted for any other qualification. | |
| **Assessor Signature:** | **Date: / /** |