Authentication record form: VCE Systems Engineering School-assessed Task 2023

This form must be completed by the class teacher. It provides a record of the monitoring of the student’s work in progress for authentication purposes. This form is to be retained by the school and filed. It may be collected by the VCAA as part of its School-based Assessment Audit.

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Student name ………………………………………………………………………………. Student No.

School…………………………………………………………………………………………Teacher ……………………………………..…………………………………………….

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| Assessment criteria for School-assessed Task | Indicators | Date observed/ submitted | Authentication issues/comments | Teacher’s initials | Student’s initials |
| **1. Investigation of a problem/situation/ opportunity/need and develop a design brief for an integrated controlled system including evaluation criteria** | * identifies problem/situation/ opportunity/need
 |  |  |  |  |
| * develops design brief for an integrated controlled system
 |  |
| * develops evaluation criteria
 |  |  |  |
| * responds to design brief
 |  |
| * references factors that influence the creation and use of system
 |  |
| **2. Researching, devising, designing and modelling design options**  | * conducts research including modeling of components, subsystems, systems
 |  | **(Note: all resources must be acknowledged)** |  |  |
| * generates design ideas
 |  |  |  |
| * produces feasible design options
 |  |  |  |
| * selects preferred option
 |  |
| **3. Planning the creation of the system**  | * devises workplan (timeline, sequence of steps and associated equipment, components, materials, and processes)
 |  |  |  |  |
| * references materials, components and processes
 |  |  |  |
| * describes safety and risk assessment for materials, components and processes
 |  |  |  |
| **4. Use of tools, equipment and machines to make the system** | * implements work plan
 |  |  |  |  |
| * complies with OH&S requirements
 |  |  |  |
| **5. Realisation of an integrated controlled system** | * produces integrated, controlled system
 |  | **(Note: all outsourced processes must be recorded. At least three observations need to be recorded)** |  |  |
| **6. Use of diagnostic test procedures and interpreting test data** | * identifies diagnostic tests
 |  |  |  |  |
| * provides reason for diagnostic tests
 |  |
| * explains how to set up diagnostic tests
 |  |  |  |
| * conducts tests
 |  |
| * generates and uses test data
 |  |  |  |
| **7. Project management to realise the preferred option** | * manages production of system
 |  |  |  |  |
| * documents decision-making, modifications and justifications
 |  |  |  |
| **8. Evaluating the use of the systems engineering process, including finished, integrated controlled system** | * evaluates design
 |  |  |  |  |
| * evaluates production (materials, tools, processes)
 |  |  |  |
| * tests and evaluates system
 |  |  |  |

I declare that all resource materials and assistance used have been acknowledged and that all unacknowledged work is my own.

Student signature …………………………………………………………………… Date …………………………………