

Research Scientist Level 7

Project Proposal

# Introduction

## Project

You will be required to produce a 4,000-word Project Report which will be reviewed and assessed by DSW. The report must be supported by evidence you have gathered such as emails, graphs, research, presentations and reports. It is important that your Project Report and supporting evidence demonstrate that you have met all of the required Pass criteria that are assessed by this method.

## Project Proposal

This document has been created for apprentices who are planning their Project Report for the Research Scientist End Point Assessment. Your employer will provide you with title and scope for the Project Report; this document will help you to ensure that you are able to evidence all of the Pass criteria through your Project Report.

As part of this Project Proposal, you are required to confirm that you and your employer believe that the Project Report will allow you to meet the Pass criteria in full.

At Gateway, your Training Provider will submit your completed Project Proposal to the DSW Assessor who will confirm, within 10 working days, whether or not you can begin work on your Project Report. Once approved, you will have 3 weeks from the project start date to write up and submit your Project Report.

# Project Proposal Template

|  |  |  |
| --- | --- | --- |
| **Research Scientist Work Based Project** | |  |
| Apprentice Name |  | |
| Apprentice ULN |  | |
| Training Provider |  | |
| Employer Signature |  | |
| Apprentice Signature |  | |
| Date |  | |

|  |
| --- |
| Project Title - |
| Scope *- a summary of the stage covered by the Project Report and an overview of the tasks as well as responsibilities undertaken by the apprentice.* |

The table below should be used to help plan and record how each Descriptor will be evidenced within the Project Report. It is mandatory that the Project Report provides evidence for all of the Pass criteria. You can choose to add additional information to evidence the Distinction criteria.

|  |  |
| --- | --- |
| Pass and Distinction Descriptor | What evidence will I provide to prove this? |
| Subject-specific Knowledge & Scientific Knowledge    Pass Descriptor  (K1.1 & S1.1) Makes strategic and scientific decisions based on a deep and systemic understanding of a named / recognised scientific subject (as found in an industrial setting) and demonstrates the use of a range of advanced, new and emerging practical and experimental skills to support these decisions.  Distinction Descriptor  (K1.2 & S1.2) Evaluates the importance of strategic and scientific decision-making by drawing on relevant theory or literature and links this to a range of advanced, new and emerging practical and experimental skills. |  |
| Research methodologies    Pass Descriptor  (K4.1) Uses and explains research methodologies and scientific processes appropriate to the sector and applies these to form a hypothesis. Explains any unpredictability of the research project undertaken and any adaptations made as a result of new developments.  Distinction Descriptor  (K4.2) Critically evaluates all aspects of the research project undertaken and the identified adaptations and/or improvements. Describes the anticipated impact of these on future projects and the wider business in terms of colleagues and finance. |  |
| Data analysis and evaluation  Pass Descriptor  (K5.1) Uses statistical analysis and numerical modelling techniques and explains how they were applied. Explains the application of this analysis clearly and coherently, including how data interpretation informed decisions against the goals and targets of the project and company objectives.  Distinction Descriptor  (K5.2) Justifies the use of statistical analysis and numerical modelling techniques used explaining why the techniques used were most appropriate to the project. |  |
| Data management  Pass Descriptor  (K6.1) Explains how they have handled data in the project in-line with GDPR and the employer’s processes, including how to create a data management plan.  Distinction Descriptor  (K6.2) Explains the consequences of not following employer processes and not working in-line with GDPR. |  |
| Data Collection and Reporting  Pass Descriptor  (S2.1) Captures, analyses and critically evaluates data utilising at least one statistical tool or analytical technique to draw logical conclusions.  Distinction Descriptor  (S2.2) Captures, analyses and critically evaluates data utilising a range of statistical tools or analytical techniques to draw logical conclusions. |  |
| Communication Skills  Pass Descriptor  (S4.1) Structures the project report clearly and includes critique of others' work across a range of documentation. Explains how best to present and communicate key content and messages, whilst respecting and acknowledging the value of alternative views.  Distinction Descriptor  (S4.2) Analyses, evaluates and compares complex data across a broad range of documentation and presents complex scientific information to an appropriate target audience with insightful discussion, including clear and comprehensive interpretation. |  |
| Research and dissemination  Pass Descriptor  (S7.1) Uses research methodology based on current sources and presents intellectual insight and innovations suitable for internal and external stakeholders.  Distinction Descriptor  (S7.2) Evidences sustained research of significant and relevant published literature with all key information cited. Presents intellectual insight and analyses, evaluates and compares complex data both within the research project and with the wider literature. |  |
| Planning, Prioritisation and Organisation  Pass Descriptor  (B6.1) Presents the research project plan and explains how deadlines were achieved and how the project fits into business objectives.  Distinction Descriptor  (B6.2) Explains how they have worked to and met specific target timescales independently whilst prioritising tasks to meet business needs. |  |

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| **Project Proposal Review** | |  |
| Assessor Name |  | |
| Date Reviewed |  | |
| Assessor Comments |  | |
| Project Start Date |  | |
| Project Submission Date |  | |







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