



Skills England

Draft Preview

DRAFT APPRENTICESHIP ASSESSMENT PLAN FOR THE LABORATORY TECHNICIAN APPRENTICESHIP

ST0248/V2

APPRENTICESHIP REFERENCE NUMBER	LEVEL OF THIS APPRENTICESHIP	INTEGRATION
ST0248	3	None

Assessment Plan

Assessment details

Introduction

This Apprenticeship Assessment Plan (AAP) sets out the requirements for the assessment of the level 3 laboratory technician apprenticeship. It should be read in conjunction with the General Requirements for Apprenticeship Assessment. Where there is conflict between this AAP and the General Requirements, this AAP takes precedence. Assessment organisations must also comply with the relevant regulatory framework for apprenticeship assessment.

It is important that the assessment of apprentices is proportionate, valid, and provides reliable evidence of an apprentice's attainment of the relevant knowledge and skills. As such, assessment organisations must design assessments to ensure:

- employers have confidence that the apprentice has reached the expected performance standard
- apprentices are sufficiently secure in their knowledge and skills, so that they could demonstrate their competence in different contexts, for example, a different workplace

Assessment Outcomes

The assessment outcomes group and summarise the knowledge and skills that must be demonstrated in assessments. All assessment outcomes must be assessed.

Knowledge and skills statements in **bold** are mandatory and must be assessed in every version of the assessment that is made available.

Knowledge and skills statements which offer opportunities to develop functional English and maths are identified with an asterisk.

Assessment Outcome	Mapping
AO1: Health, safety and regulatory compliance Applies health and safety procedures, risk assessments and emergency protocols, ensures safe working practices and regulatory compliance across laboratory settings.	K6, K7, K8, K9, K10, K11 , K14, K15 S1 , S2, S5
AO2: Laboratory operations and scientific techniques Prepares for and performs laboratory tasks, using scientific techniques, equipment and procedures, and ensures equipment is maintained to support laboratory work.	K16 , K21 , K22* S6* , S7 , S8*
AO3: Data handling, analysis and reporting Uses statistical techniques to process, evaluate, and present data. Contributes to documentation and reporting, maintains accurate records, ensures safe data storage and handling.	K2*, K3*, K18 S9*, S10* , S11*, S12* , S14, S15, S19*
AO4: Problem solving and continuous improvement Recognises problems and applies appropriate scientific methods to identify causes and implement solutions. Supports error reporting, and corrective actions to resolve issues. Participates in continuous improvement activities to enhance workflow, quality and performance.	K4 , K17*, K19, K20 S13, S16*, S17*, S18
AO5: Resource and workplace standards Maintains workplace quality procedures and standards within the business, and applies ethical practice and codes of conduct of the organisation. Applies resource efficiency to energy, water and waste.	K1, K5, K12*, K13* S3*, S4*

Assessment requirements

Assessment organisations must set apprenticeship assessments. Assessment organisations should consider how technology and digital tools can support innovation and efficiency.

Assessment organisations must design apprenticeship assessments to include at least one **observation**.

Any additional assessment, or assessments, must be selected from the following list of methods, to ensure the assessment outcomes are met in full. Assessments available in the list may be used more than once:

- **professional discussion**
- **written assessment**
- **question and answer**
- **portfolio**
- **simulation**
- **additional observation**

Apprentices may be assessed at any appropriate point during their apprenticeship programme.

Assessments may be designed to allow a centre or training provider to mark assessments. The assessment organisation is responsible for ensuring all assessments are sufficiently reliable and valid, and for the accuracy of any centre or training provider marking.

Performance descriptors

Performance descriptors describe the level of performance required to achieve a pass or distinction grade. Assessment organisations must design assessments that align with these descriptions.

Performance Category	Pass	Distinction
Applied Knowledge	Applies sound application of factual, procedural, and theoretical laboratory knowledge in a broad range of varied work activities, performed in a variety of contexts, most of which are complex and non-routine.	Applies thorough application of factual, procedural, and theoretical laboratory knowledge in a broad range of varied work activities, performed in a variety of contexts, most of which are complex and non-routine.
Applied Skills	Selects and applies laboratory skills, methods, and procedures consistently in a broad range of varied work activities and a variety of contexts, most of which are complex and non-routine. Solves well defined problems, which may be complex and non-routine, with sound judgement.	Integrates laboratory skills, methods, and procedures proactively and resourcefully in a broad range of varied work activities and a variety of contexts, most of which are complex and non-routine. Solves well defined problems, which may be complex and non-routine, that improve outcomes.
Regulatory and Procedural Awareness	Interprets and evaluates laboratory health and safety legislation, regulation, and guidance relevant to the role, with minimal noncritical errors, and with some depth of insight and adaptability.	Applies evaluation of laboratory health and safety legislation, regulation, and guidance relevant to the role, with minimal noncritical errors, and with greater depth of insight and adaptability.
Communication and Collaboration	Participates effectively in team environments and applies effective communication	Communicates clearly and confidently in team environments, adapting communication approaches,

	approaches, supporting daily operations.	supporting effective daily operations.
Information Use and Decision Making	Interprets and evaluates laboratory information relevant to the role, from a variety of sources, supporting decisions and actions with sound judgement.	Applies evaluation of laboratory information from a variety of sources, relevant to the role, with insight, supporting conclusions that improve outcomes.
Responsibility and Autonomy	Takes responsibility for initiating and completing laboratory tasks and procedures including, where relevant, taking responsibility for supervising or guiding others. Exercises responsibility, autonomy and judgement within limited parameters.	Takes responsibility for initiating and completing laboratory tasks and procedures with confident autonomy and sound judgement within limited parameters. Proactively manages own work, confidently, recognising when to refer issues beyond their responsibility.

Professional recognition

This apprenticeship aligns with the requirements for professional body recognition as detailed in the occupational standard.

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