
Overview

This unit is about researching information relevant to the conservation, repair and maintenance of assets. This includes researching the potential impact of modern technology and repair methods on assets and identifying possible situations where incompatibility of the use of materials can be detrimental to the future of the asset. You will also need to provide decision makers with relevant information to enable them to agree a detailed design solution.

Performance criteria

You must be able to:

- P1 obtain information relevant to the conservation, repair and maintenance briefs and **identify** the relevant solutions
- P2 obtain **alternative sources of information and solutions**, where existing approaches do not meet the parameters of the brief, which have the potential to offer alternative approaches
- P3 research the potential impact of modern technology and repair methods on **factors** relating to assets
- P4 identify possible situations where incompatibility of the use of materials can be detrimental to the future of the asset
- P5 provide decision makers with enough relevant and accurate information at the right time to enable them to agree a detailed solution seeking guidance from experts where necessary

Knowledge and understanding

You need to know and understand:

- K1 how to obtain information relevant to the conservation, repair and maintenance briefs (application)
- K2 what to **identify** as the relevant solutions (understanding)
- K3 how to obtain **alternative sources of information and solutions**, where existing approaches do not meet the parameters of the brief, which have the potential to offer alternative approaches (application)
- K4 how and why to research the potential impact of modern technology and repair methods on **factors** relating to assets (analysis)
- K5 what to identify as possible situations where incompatibility of the use of materials can be detrimental to the future of the asset (understanding)
- K6 how to provide decision makers with enough relevant and accurate information at the right time to enable them to agree a detailed solution (application)

Scope/range

- 1 Identify:
 - 1.1 relevant processes and procedures
 - 1.2 investigative research
 - 1.3 official bodies to be consulted
- 2 Alternative sources of information and solutions:
 - 2.1 previous knowledge and experience of similar work & proposals
 - 2.2 solutions & proposals by others to similar problems
 - 2.3 specialists including experienced craftspeople & conservators
 - 2.4 industry, academic & scientific research and innovation
- 3 Factors:
 - 3.1 physical
 - 3.2 technical
 - 3.3 environmentally induced decay
 - 3.4 social pressures & use
 - 3.5 aesthetic & spatial
 - 3.6 assessments of cultural significance and value
 - 3.7 protection of archaeological, architectural, cultural and historically valuable resources
 - 3.8 cost & budgeting
 - 3.9 time & programming
 - 3.10 health & safety
 - 3.11 resources (people, skills, finance, materials, plant, knowledge)
 - 3.12 relevant quality standards and codes of practice
 - 3.13 materials sourcing & matching
 - 3.14 fitness of purpose

COSBEDO14- SQA Unit Code H6AH 04

Investigate and produce integrated conservation, repair and maintenance solutions



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