

# CAREERS THROUGH MATHS: CULTURAL HERITAGE MANAGER



Cultural Heritage Managers use mathematics to solve complex problems and drive innovation. (Image Source: Unsplash)

## JOB OVERVIEW

A Cultural Heritage Manager is responsible for the strategic and operational management of historic buildings, archaeological sites, museum collections, and landscapes across the UK. Their daily work is a blend of conservation science, business management, and public engagement, ensuring that the nation's heritage is preserved, interpreted, and made accessible for current and future generations. A typical day could involve meeting with architects and project managers at a Grade II\* listed building site, analysing visitor data from a recent exhibition at a local museum, preparing a funding bid to the National Lottery Heritage Fund, and developing a conservation management plan for a scheduled monument.

## KEY MATHS APPLICATIONS

### Primary Areas:

- **Financial Management and Budgeting:** This is the most pervasive application of mathematics in heritage management. Managers must create detailed budgets for projects that can last years and...
- **Statistics and Data Analysis:** Heritage organisations rely on data to make evidence-based decisions. Managers use descriptive statistics (mean, median, mode) to analyse visitor demographics,...
- **Geometry and Trigonometry:** These are fundamental to the conservation of historic structures. Managers and the specialists they commission use trigonometry to calculate roof pitches,...

## ESSENTIAL SKILLS & TOOLS

| SKILL                                          | APPLICATION                                                                       |
|------------------------------------------------|-----------------------------------------------------------------------------------|
| Microsoft Excel / Power BI                     | The workhorse for financial modelling, data analysis, and reporting.              |
| Building Information Modelling (BIM)           | A 3D model-based process for designing and managing buildings.                    |
| Collections Management Databases (e.g., Modes) | While primarily for cataloguing, these systems have mathematical functions for... |
| Report Writing Software                        | Essential for communicating complex, data-driven proposals to non- specialists.   |

## TYPICAL PATHWAY

A strong foundation in Mathematics at GCSE and A-level (or Scottish Highers) is highly advantageous. Most entrants hold an undergraduate degree in a relevant field such as Archaeology, History of Art, History, or Museum Studies, often followed by a specialised postgraduate...

## INDUSTRY DEMAND

The UK heritage sector is a significant employer, contributing over £30 billion to the economy annually. Demand for skilled managers remains steady, driven by major infrastructure projects requiring archaeological input, the ongoing need...

## REAL-WORLD IMPACT

Cultural Heritage Managers play a vital role in sustaining the UK's cultural identity and boosting its economy through tourism. They were instrumental in projects like the restoration of the HMS Victory for the National Museum of the Royal...

## QUICK FACTS

- **Salary:** £30
- **Education:** t levels are sufficient for public enjoyment but low enough to prevent damage to sensitive medi
- **Growth:** The UK heritage sector is a significant employer, contributing over £30 billion to the economy annually. Demand for skilled managers remains steady, driven by major infrastru...