



The Museum of Scottish Fire Heritage is recruiting for a **Freelance Workshop Facilitator** to develop and deliver our Maths Week Scotland 2023 resources.

The Museum of Scottish Fire Heritage is a newly opened museum in Edinburgh. We love to use our collection and knowledge of the history and evolution of firefighting in Scotland to explore a variety of topical themes. Our stories and collections are ideally placed to explore maths due to the integral link between maths and the basics of utilising water for effective firefighting.

OUR THEME

Firefighting: The Sums of Water

- We will explore how firefighters use the mathematics of water to do their jobs. There are practical examples of the way they need to determine distance, force, velocity, and water pressure.

Our planned activities are:

- **5 and under.** A simple, visually based activity sheet designed to help with counting.
- **6+ age group.** 1 gallery- based drop-in activity that could include but is not limited to a worksheet with some a simple problem that they must work out using stimulus and mathematics within our gallery
- **Older Family Friendly Workshop.** This workshop is intended to last for 30 minutes and explain an aspect of distance and water velocity to demonstrate how firefighters tackle fires. This is aimed at families with older children (primary p6 aged onwards). Participants will work on a simple scenario-based problem and use calculations demonstrated previously to work out how to successfully tackle a fire.

JOB SPECIFICATION

Research and Development (September 2023)

- Research topic and relevant information (interviews with staff, our volunteer group and firefighters who can go over the concepts, documents that explain the topic)
- Develop the content and activities for the drop-in gallery activities and provide instructions for onsite staff and volunteers to deliver.
- Develop the content and activities for the 30-minute family friendly workshop

Delivery of Activities (October 2023)

- Provide Museum with worksheets and drop-in activity information so we can print and gather materials for the public.
- Deliver the family friendly workshop on Saturday 21 October (at least 3 sessions on the day)

- Be filmed presenting the family friendly workshop so we can share it online for users.

SKILLS AND EXPERIENCE

- Great knowledge of science and mathematics in an educational environment
- Experience and ability to facilitate and deliver engaging and creative learning activities.
- Ability to develop activities suitable for learners of all ages as this will be an intergenerational project.
- Knowledge of accessibility, inclusion and diversity needs to deliver public activities.
- Take complex ideas and make them tangible for a wide audience.

FURTHER DETAILS

Employment: Facilitator/Practitioner will be employed on a freelance basis September to October 2023.

Location of Work: Museum of Scottish Fire Heritage, 1A Dryden Terrace, Edinburgh EH7 4NB

Start Date: TBC. Anticipated start beginning of September 2023. The project will be live as of Tuesday 17 - Saturday 21 October when the activities and workshops will be delivered.

Rate of Pay: £3,450 flat fee to include all development and delivery time. This fee includes any travel and subsistence expenses you may incur. We anticipate development and delivery to take approximately 10 days (80 hours). Please note you are not required to supply materials for activities and the workshop, those costs will be covered by the museum.

Payment Schedule: £1725 payment at the beginning of the contract (September 2023) with the final payment of £1725 upon completion (October 2023).

HOW TO APPLY

Email heritage@firescotland.gov.uk with a letter or video of interest. In your letter or video, we are looking for you to clearly outline your skills and experience and how they are relevant to this job. Please include examples of your work to support your application which can include but is not limited to links, images and/or PDF documents relevant to this role.

The Museum of Scottish Fire Heritage values a diverse workforce and welcomes applications from all sections of the community.

CLOSING DATE

The closing date for submissions is 11pm Sunday 20 August 2023, interviews week commencing 28 August and all candidates informed by Monday 4 September 2023.