

**#ShowYour
Working**

Getting involved



**Maths Week
Scotland
2024**

Introduction

In the run up to and during Maths Week Scotland 2024 (**23 September - 29 September**), we're asking people across the workforce in all industries to help show that maths is indeed everywhere and highlight the importance of maths in **all** careers - maths isn't just for accountants after all!

The theme for Maths Week Scotland 2024 is '**Maths Tales**' and we will be exploring how maths is used to tell stories. Whether it's the link between maths and literature, the history of maths and prominent mathematicians, or the stories woven in to maths trails and escape rooms.

This pack details the aims and objectives of the **#ShowYourWorking** Twitter campaign and provides useful resources to support your involvement.

#ShowYourWorking - Getting involved



Why are we doing this?

#**ShowYourWorking** aims to highlight the importance of maths across the entire workforce by showcasing real-life examples of how elements of the maths we learn at school are used in practice.

By opening this up to professionals all over Scotland, we can provide inspiring, real-world examples of maths in the workforce – challenging young people’s misconception that their use of maths ends at the point they finish their exam.

We aim to provide a collection of realistic examples **from all industries** for educators to be able to reference when encouraging pupils to contextualise the importance of the key maths skills they are learning at school.

#ShowYourWorking - Getting involved

**Maths isn't just
used in STEM
industries!**

We're keen to hear
from the arts and
public-facing roles.
How do you use
maths in your job?



Getting involved

Industry professionals/STEM Ambassadors

- 1** Think about examples of how maths is used in your industry. Bonus points for examples that will be a surprise to others!
- 2** Tweet your examples in the run up to and during Maths Week Scotland. Video? Photo? Animation? You decide! Don't forget to use **#MathsWeekScot** and **#ShowYourWorking**.
- 3** Nominate a colleague to do the same and help make sure all industries are represented as part of Maths Week Scotland 2024.



Not on social media? No problem! Email your examples to **info@mathsweek.scot** and we'll share on your behalf.

**We'll be highlighting some of our favourite examples.
The less obvious the better!**

Getting involved (continued)

Teachers and Educators

In the run up to Maths Week Scotland 2024, follow **#ShowYourWorking** on Twitter for examples you can bring to the classroom or find inspiration for your Maths Week Scotland activity.

Supporters

Using the resources provided, help us reach as many people as possible and encourage their involvement in **#ShowYourWorking**. Share this campaign pack within your organisation and the organisations you work with, encourage staff to get involved and spread the word on social media. We'd also love to hear your favourite applications of maths in the working environment.

#ShowYourWorking - Getting involved



Donna Dunlop
@DonnaDunlop13

[@crosshill_ps](#) pharmacists use maths every day to ensure medicines are safe and effective. We checked the dose of paracetamol for a 6 and 8 year old 🧊
[@mathsweekscot](#) #ShowYourWorking



Resources

Please see a range of resources to support your campaign activity via the links below.

Take part and #ShowYourWorking

[Click here](#)

Teachers and Educators

[Click here](#)

Supporters

[Click here](#)

#ShowYourWorking - Getting involved




Previous examples

[Check out our 'Maths in the Real World Resource Pack' for more examples](#)




[Team GB's Eilish McColgan got involved](#) and told us about the role that maths plays in her job as a professional sportsperson.



Mark Buchan
@BuchanStrypes

Replying to @MissReford @mathsweekscot and @MacharNew

As a farmer maths is important to work out how much seed is needed to sow the crops on the farm and how much fertiliser is needed and the volume of chemicals for spraying as well. The most important is to work out the yield though, how much crop you harvest for each acre sown



Mrs K Duncan
@MissMcP1

Replying to @MissReford @mathsweekscot and @MacharNew


Hi P6R! I use maths all the time when I'm on maternity leave. I have to use scales on bottles to make sure I have the correct ratio for milk. I use lots of time keeping skills to ensure we are on time for baby classes. Have a great @mathsweekscot 😊

I am an...

Assistant Curator for Ancient Mediterranean Collections at the National Museum of Scotland.


and this is how I use maths in my job:

- I spend a lot of time measuring objects for enquiries or display. This allows people to understand more about an item without actually seeing it in person. By measuring and weighing an object we can ensure it will fit into a case fully and safely.
- In my research I look at historic purchases, which often means converting pre decimal money into decimal, working out exchange rates and modern equivalents.



Dan

#ShowYourWorking



Dan from National Museums Scotland tells us how maths is used in his work as a curator.


The Great British Bake Off 2020 winner Peter Sawkins **shared a great example of maths being used in baking.** Being able to calculate volume is very useful when it comes to getting the size right for the perfect wedding cake!

I am a...
Baker

and this is how I use maths:


When I am baking, I use maths to

- work out weights of ingredients needed for new recipes
- set oven temperatures
- record the time of a bake
- use ratios to scale a recipe up or down



Peter Sawkins


#ShowYourWorking



I am a...
Environmental Statistician and Marine Biologist


and this is how I use maths in my job:

- To understand where marine animals (like seals and seabirds) go at sea, and work out how many there are in different places.
- To estimate how many marine animals are affected by different human activities in our oceans.
- To quantify how marine renewable energy may change our marine environment.



Katherine Whyte

#ShowYourWorking



Dr Katherine Whyte shared how she uses maths daily in her job as an Environmental Statistician and Marine Biologist, such as estimating how many marine animals are affected by different human activities in our oceans..

Beyond #ShowYourWorking

Maths Week Scotland 2024 (23 September - 29 September)

Continue the conversation around maths during Maths Week Scotland and get your school or workplace involved in highlighting the importance of maths.



[Click here to find out more](#)

Become a STEM Ambassador

STEM Ambassadors are volunteers who bring STEM subjects to life by engaging with young people in and out of the classroom. There is no particular experience or background required to become a STEM Ambassador.



[Click here to find out more](#)

Beyond #ShowYourWorking

Take the National Numeracy Challenge

We all use maths in every aspect of our lives at work and in practical everyday activities at home. Good numeracy skills are essential to help us get on at work, to give us confidence in our roles or to help us access career progression pathways or promotions. However, many of us are being held back because we feel anxious about maths.

Consider how you feel about maths and check your current numeracy skills.

[Click here to take the challenge](#)



#ShowYourWorking - Getting involved



Contact

For any questions or further information about #ShowYourWorking or your wider Maths Week Scotland 2024 activity, please contact **info@mathsweek.scot**.

You can also find us on [Twitter](#) and [Facebook](#) **@MathsWeekScot**.

#ShowYourWorking - Getting involved

