



National Numeracy Day 2022- Our partnership approach in Scotland

Overview

What is National Numeracy Day and why is it important?

What is National Numeracy Day?

National Numeracy Day, from the independent charity National Numeracy, is the UK's only day dedicated to everyday maths. It celebrates the importance of numbers for adults and children and inspires everyone to improve their numeracy in order to open up opportunities and brighter futures.

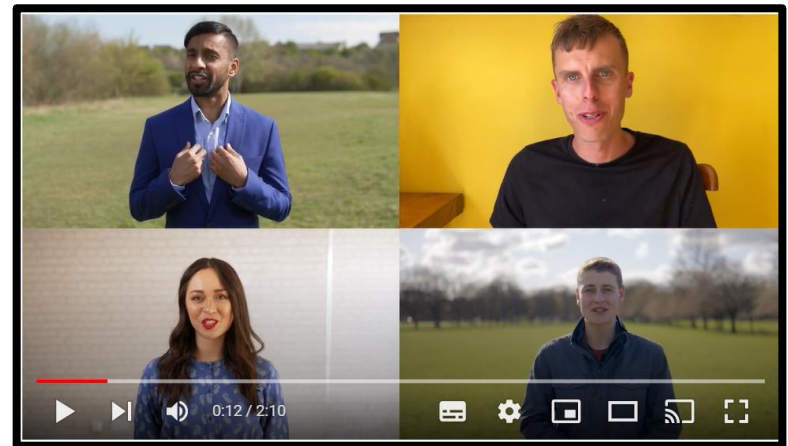
The campaign drives:

Awareness: of the importance of numeracy to personal lives, career development and the UK economy.

Engagement: It engages people with numeracy through a multitude of relatable, practical and fun activities, events and content.

Action: The campaign empowers people to take the first steps to improving their number confidence and skills via the [National Numeracy Challenge](#) and the variety of resources, videos and events.

[Watch the 2021 NNDay highlights](#)



- The only UK campaign for everyday maths
- For adults & children
- 2022 is National Numeracy Day's 5th birthday

Why is National Numeracy Day important?

The UK's numeracy crisis

The UK's numeracy levels are significantly below the average for developed countries, **with 49% of the UK's working-age population having the expected numeracy levels of a primary school child**. And poor numeracy costs the UK economy £25 billion a year.

Struggling with numbers can make people more vulnerable to debt, unemployment, poor health and fraud – all of which have been exacerbated by the Covid-19 crisis and now, the cost-of-living crisis.

About our charity

National Numeracy Day is run by the charity National Numeracy. Our mission is to empower children and adults in the UK to get on with numbers so they can fulfil their potential at work, home and school.

Our work improves how people understand and work with numbers in everyday life, sparking better opportunities and brighter futures.

"We're going to tackle a tragic fact: Millions of adults in England have numeracy skills lower than those expected of a nine-year-old.

According to the leading charity National Numeracy...this costs individuals with poor numeracy up to £1,600 a year in lost earnings.

People with poor numeracy skills are more than twice as likely to be unemployed as their peers."



Rishi Sunak,
Chancellor of the Exchequer,
Autumn Budget statement
October 2021

National Numeracy Day – Improving numeracy in Scotland



Education Scotland have been supporting National Numeracy Day since its launch in 2018 – we are now celebrating it's 5th year anniversary.

Scotland is leading the way with a record 369 NNDay Champion sign-ups from schools, Local Authorities and Community organisations – 13% of the UK total.

Kirstyn from a Scottish Champion school was a runner up of our 1st Number Heroes competition in 2021.

6,054 people took action on the National Numeracy Challenge from Scotland, which is around 11% of the total Challenge actions.

Scotland awarded National Numeracy a STEM Grant to work with CLD practitioners and STEM Ambassadors through SSERC – meaning we could support practitioners beyond NNDay.



National Numeracy Day

18 May 2022



Sign up to be a
National Numeracy Day Champion
and get **FREE resources & materials**
for your school

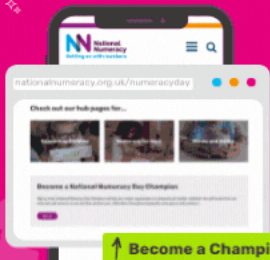


Scan here to sign up
or visit here

www.nationalnumeracy.org.uk/wmi

We are a
National Numeracy Day
Lead Delivery Partner

National Numeracy Day
WEDNESDAY, 18 MAY 2022



Become a Champion

We are a
National Numeracy Day
Lead Supporter

You are
invited!

It's National Numeracy Day's
5th birthday on 18 May and
you're invited to the party!



We've signed up to be a
Champion Organisation!

Have you?

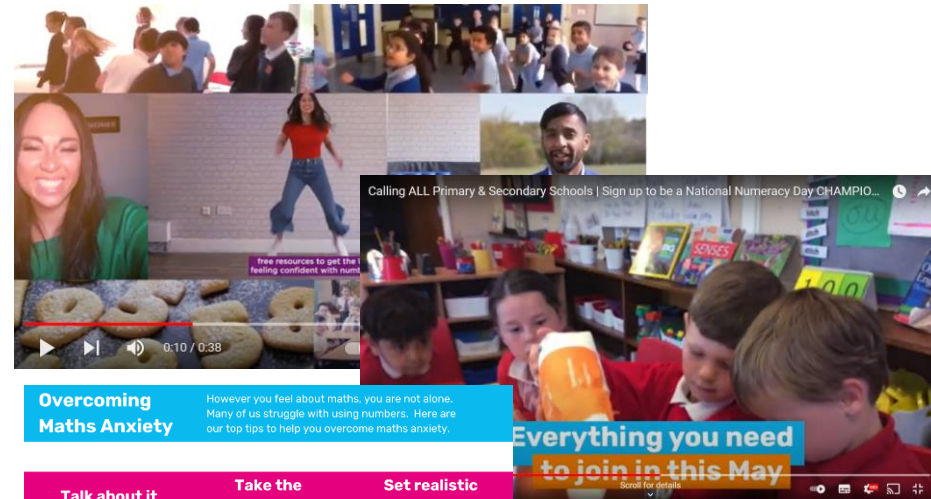
Key Activity - Online hubs

National Numeracy Day Website

The National Numeracy Day website is the go-to destination for individuals.

It has two online hubs – one for adults and one for children - jam-packed with all the free resources and inspiration needed to get the nation feeling good about numbers. They hold helpful and practical resources to download, videos to watch, as well as details of live events and further support.

The hubs are a great place for people to get resources for themselves or their children. Please promote the National Numeracy Day website to your staff, networks and communities.



Overcoming Maths Anxiety However you feel about maths, you are not alone. Many of us struggle with using numbers. Here are our top tips to help you overcome maths anxiety.

Talk about it **Take the pressure off** **Set realistic goals**



National Numeracy Day Baking Fun

Let's have some fun in the kitchen. This National Numeracy Day, try organising a baking activity and get everyone thinking differently about numbers and how fun mathematics is.

Ingredients:

- 100g / 4oz butter or margarine (softened)
- 100g / 4oz caster sugar
- 2 eggs, lightly beaten
- 1 tsp vanilla extract
- 100g / 4oz self-raising flour

Method:

1. Beat the butter and sugar together.
2. Beat the eggs into the mixture.
3. Sift the flour into 12 cupcake cases in a cupcake tray.
4. Spoon the mixture into 12 cupcake cases.
5. Bake in the oven for 15 minutes at 180°C / 350°F.
6. Cool the cakes on a wire rack.
7. Add the butter, icing sugar and milk together for the buttercream. Stir in the food colouring if desired.
8. When the cakes are cool, spread the icing on each one.
9. Give the cakes a signature base with your own creative decorations.

Peter Sawkins
Professional Numeracy Tutor

National Numeracy Day Numbers and Dancing

Let's have some fun dancing this National Numeracy Day. My dancing activities will help everyone to see that maths doesn't have to be scary. It's completely normal to find maths difficult, but just the dancing if we break it down into manageable steps and beats, practising, we can ALL get better.

Everyone can have fun dancing along with Katya and start thinking differently about maths by watching the accompanying video.

With children aged 2 years:

- What ingredients are this?
- What might happen if it rains?
- Which cake is the smallest?
- Which one is the biggest?

With children aged 3-5 years:

- What is the difference between the two cakes?
- How many grams are in 100g?
- How much does the milk weigh?
- How much does the sugar weigh?
- How would you change the recipe?

With older children year 4-6:

- The cost of the ingredients.
- Would the total price go up or down?

Katya Jones
Professional Numeracy Tutor

National Numeracy Day

Getting Confident With Maths at Work

No matter what job we have, we use maths every day – for example working with budgets, organising schedules, measuring materials and managing time. It might not be exactly like the maths you did at school, but it is maths.

If we feel anxious about numbers, it can make us feel less confident and make it harder to progress in our careers. But you are not alone. There are some things that you can do at work to make working with numbers feel less daunting.

Tip 1: **Don't rush – maths at work is not a race**
Feeling under pressure to get answers quickly can make us feel even more anxious about maths. Stop and think about how much time you have and use it if you need to.
It's more important to be right than it is to be fast. Being calm and taking time to find a process that works for you will help you get the right answer.

Tip 2: **Ask for support with your maths if you need it**
It can be hard to speak up if we are struggling. But if you do point out an area you need help with employers are often very supportive.
Workplaces may have learning programmes in place already, or you can try the National Numeracy Challenge to support your number confidence.

Tip 3: **Talk about how maths makes you feel**
Many of us think we will look silly or be judged if we say we find maths uncomfortable. But many people find working with numbers hard and often your colleagues will feel the same.
Just like when we feel anxious about other things, sharing how we feel about maths and listening to other people who feel the same way can really help.

Don't compare yourself to others **Choose that works for you**

5 **5** **5**
Learn at different paces that's OK

Tip 6: We all learn National Numeracy for an alternative maths.

National Numeracy Day 18 May 2022 #NationalNumeracyDay

nationalnumeracy.org

National Numeracy Day Champion Organisations

Thousands of organisations are signing up to be National Numeracy Day Champions.

Champions are organisations who support learners directly, for example, schools, community groups or Local Authorities

Each organisation will receive access to their digital champions pack containing everything they need to inspire the people they support to start thinking differently about numbers and improving their numeracy.

The toolkit will enable champions to support:

- children in their care,
- community and support service users,
- adults seeking jobs,
- adults looking to better manage their money,
- adults in work,
- other adults they manage or support,
- students in training,

The toolkit will include:

- Video resources
- PDF Tip sheets and guides
- Information on how to join in The Big Number Natter
- Information for how to deliver National Numeracy Day activities inside your organisation



The Big Number Natter launches this National Numeracy Day!



For National Numeracy Day 2022, National Numeracy, our partners and ambassadors will be holding the first, The Big Number Natter.

This will be a nationwide conversation on the day, happening across social media, TV, radio and within thousands of champions organisations and supporting organisations across the UK.

Social media

Working with our partners, ambassadors and beneficiaries we will create a programme of activity to kick start the Big Number Natter across social media, giving consistent activity across the day to inspire and encourage people to share their own stories on the Big Number Natter.

Champions can get involved in three ways:

- 1) Hold their own Number Natter conversations in person or online, using our talking points and guidance.
- 2) Get your communities involved in sharing their own stories and joining the Big Number Natter on internal networks and channels (e.g. Yammer).
- 3) Join the wider public conversation on social media and share their stories using The Big Number Natter hashtag.



Key Activity - The Big Number Natter activities

★ How to get involved:

1. **Hold a Big Number Natter.** In April we will be adding a number of resources to make this easy and straightforward for you to get involved. We have conversation starter suggestions, for small informal sessions. And a step-by-step guide and slides for longer, more formal sessions. Collect video clips, images and stories.
2. **Internal comms** - Share Big Number Natter videos, images and stories across your organization or networks. Collect video clips, images and stories about their own experience of numbers. Good or bad. Share individual stories or work together as a team to create something to share with the wider organisation.
3. **External comms** - Encourage colleagues to share their Big Number Natter videos, stories and images on social media using #bignumberratter. Even better they can tag your organisation and it can be reshared on your official channels.

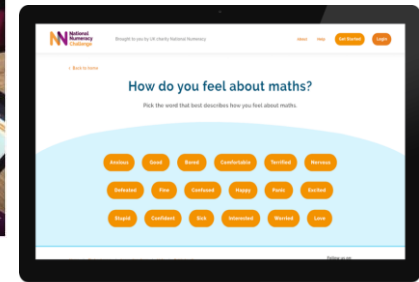
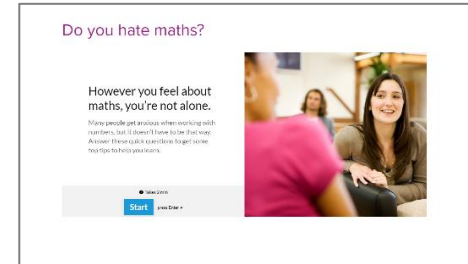


National Numeracy Day – Adult’s Hub

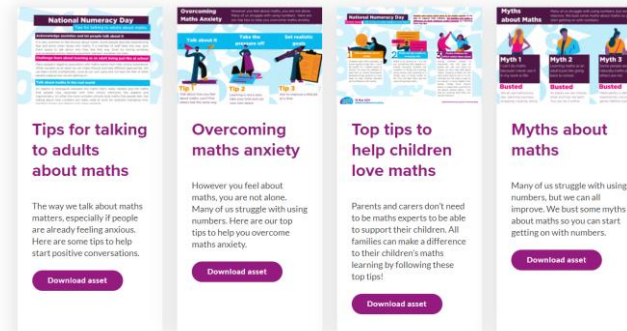


The campaign hub for adults will contain a selection of video resources and activities:

- A series of 3 short Number Natter videos featuring real life changing stories from our National Numeracy Day Heros. One to cover each of our vital themes.
- An activity planner and resources to help you run a “Number Natter” in your workplace
- A video on how The National Numeracy Challenge can help boost number confidence and skills
- A selection of PDF tips and guides for each of our 3 themes, and general number confidence.



These resources and activities will also be offered through the champions toolkit.





Key Activities - Recruiting Champion Schools

For the schools in your network

National Numeracy Day 2022 has a fantastic programme of exciting activities with our celebrity ambassadors to help increase positivity and number confidence for children across the nation.

Please invite schools in your networks to sign up as champion using your trackable champions schools link.



In 2022 National Numeracy Day will be 5 years old!

Champion schools will receive a digital pack full of all the resources, activities and inspiration they need to run a fantastic 5th birthday party themed National Numeracy Day activities for their children, families and staff.

Children's activities include:

- **Rocking and Rolling Numbers Live** – National Numeracy and Times Tables Rock Stars are inviting schools and families across the country to take part in the UK's biggest ever live number roll. (A motivating times table song with dance moves.)
- **Number Heroes competition** to win one of five bundles of numeracy prizes worth at least £1000 for your school, youth group or community centre (for children pre-school to Y8/S2).
- **Lesson starter video** – featuring celebrity-led activities
- **Ideas and printable materials** to support activity planning as well as resources for adults, staff and parents
- **Celebrity led confidence resources** to help all age groups, from 0-18, feel good about maths.



Number Hero Competition

National Numeracy and our partners will again be offering nurseries and schools the chance for children to win an amazing numeracy bundle for their nursery or school and a fantastic prize for themselves while boosting their number confidence.

There will be five categories:

Pre-School:

Nurseries, childminders and other pre-school age organisations.

Primary A:

England/Wales – R, Y1, Y2

Ireland – Y1, Y2, Y3

Scotland – P1, P2, P3

Primary B:

England/Wales – Y3, Y4

Ireland – Y4, Y5

Scotland – P4, P5

Primary C:

England/Wales – Y5, Y6

Ireland – Y6, Y7

Scotland – P6, P7

Secondary A:

England/Wales – Y7, Y8

Ireland – Y8, Y9

Scotland – S1, S2

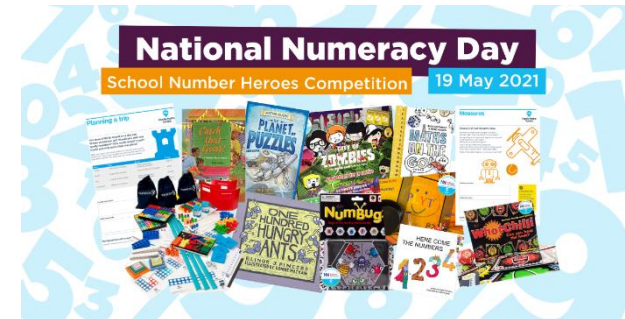
First prize in each category will win:

- Number Heroes pack for their chosen nursery or school, containing all the games, books and resources needed to get everyone in your community feeling like a number hero!
- A £50 gift voucher and certificate for the individual child who submits the winning entry
- A certificate

Three runners up in each category will win:

- £20 gift voucher
- A certificate

N.B. The competition is a key activity for Champion organisations but it is also promoted publicly and is open to children and families who homeschool, or people who would like to enter independently of a Champion organisation.



Sign up as a National Numeracy Day Champion

www.nationalnumeracy.org.uk/numeracyday/champion-sign



- Host a Number Natter in your community
- Share your Number Natter activities and stories on your internal channels
- Share your Number Natter activities on your social media channels
- Share the slides across your regions and encourage your networks to sign up as NN Day Champions
- Encourage your key partner organisation to get involved.
- Reach out to all of the organisations you work with to make sure they are aware of the fantastic events taking place and sign up
- Disseminate this info to ES staff who have direct contact with partners (especially numeracy officers, STEM officers and CLD officers
- Follow the event on NN Day and share content on Social Media Channels
- Change email footer and screensaver on workplace computers
- Take the National Numeracy Challenge



nationalnumeracy.org.uk

For more information on NNDay and how to get involved please contact:

sally@nationalnumeracy.org.uk