



maths on toast
the family maths charity



Registered charity no. 1151486
Registered company no. 08196529



ANNUAL REPORT
1 SEPTEMBER 2018 TO 31 AUGUST 2019



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From the Chief Executive

I joined Maths on Toast in November 2018 as maternity cover for CEO and founder Alexandra Fitzsimmons. By the end of the 18/19 reporting period I had accepted the trustees' offer to stay on when Alexandra decided she would be stepping down as CEO at the end of her maternity leave.

I inherited a thriving charity with a small strong team of dedicated staff intent on furthering Maths on Toast's reputation for creative family maths, and enabling the organisation to consistently punch well above its weight. Working with partners – libraries, schools, community groups, charities, arts organisations – enables Maths on Toast to reach as many families as possible including those that may otherwise not find us. Throughout the year, demand often outstripped supply – a point we stressed to new funders and as this reporting period ended, we are delighted to be expanding our delivery team for 2019/20.

Our community reach and networks grew in 2018/19, opening up opportunities for new pilots and partnerships with a range of organisations and charities, and exploring new ways of working that could potentially increase our impact and reach. The successful pilot with Tower Hamlets Education Business Partnership has led to the current development of a programme of volunteer training and creative maths

resources for their Number Partners scheme that can subsequently be offered out to Education Business Partnerships across London and the UK.

A highlight of the year was Maths on Toast Bites – a set of video resources filmed with our fantastic community partner The Winch. Digital reach is vital in enabling us to share our ideas and approach across the UK, reaching families who are not able to experience our events or programmes in person.

A challenge this year has been the funding cuts we are seeing across both the education and arts sectors resulting in various collaborative projects having to be paused. Rest assured, we will be ready to restart them with vigour when funding allows, and we are exploring new ways of making that happen.

The strategy for 2019/20 was set out in our away day in May. The focus is on sustainable growth with systematic programmes that can be scaled and adapted as necessary. We recognise the need to maximise our impact by making our resources, programmes and products ‘work hard’ and aim to use them as efficiently and effectively as possible.

Community maths is at the heart of Maths on Toast’s mission: we believe the more people know maths can be social, interactive and fun, the more they’ll be able to enjoy it and the more they’ll do. So our activities, based around making, playing games, constructing, crafting and colouring in – all activities that families and communities can do together – play a big part in shaping children’s attitudes; increasing confidence and resilience, and supporting aspirations and achievement.

With the issue of maths anxiety in the UK gaining more traction, we reiterate the need for approachable maths and offer the space to explore and investigate maths in its many forms without pressure

and time constraints. We firmly believe that creating opportunities for families and communities to enjoy maths as a social activity is the first step to countering negative attitudes.

I look forward to another productive and busy year ahead at Maths on Toast working on our mission to show what fun maths can be; how maths is everywhere and for everyone; and enabling every family to feel (sneaking our favourite hashtag in here) #positive about maths!



Lucy Davis
CEO

From the Trustees

2018/19 has been another busy year for Maths on Toast, with great projects, new funding secured and staff changes within the organisation. As trustees, we are proud of the way the team has navigated these changes, and the success with which they have continued to deliver our core mission: to provide families and communities with enjoyable, creative, human and social experiences of maths.

Maths on Toast founder Alexandra Fitzsimmons left in 2018, first for maternity leave, and then stepping away from the CEO role in autumn 2019. We want to use this opportunity to thank Alexandra for her vision, commitment and creativity, without which there would be no Maths on Toast. Fittingly, Alexandra is our first patron, and we look forward to opportunities for imaginative collaborations with her in the future.

We were delighted to appoint Lucy Davis as CEO of Maths on Toast in November 2018. Lucy brings fundraising and community project experience to the team. Maths on Toast has benefited from her fresh eyes, verve and partnership-building approach. Since Lucy came on board, we have secured a new funder – Sir John Cass's Foundation. We have also been granted an exceptional additional 3 years from John Lyon's Charity, and achieved another year of core funding from the Man Charitable Trust. Sir John Cass's Foundation funding has enabled

us to consolidate the Events and Schools Manager position for the next two years. The financing from John Lyons Charity, which begins in September 2019, is enabling us to appoint a second delivery post, on a two-day a week basis over three years.

We are extremely grateful to our institutional funders, and to the individuals who have also contributed to our fundraising. Thanks to these new and ongoing funding relationships we are in a strong position to keep promoting positive attitudes to maths. Work that is more important than ever as evidenced by the results of a report into maths anxiety published in spring 2019 by the Centre for Neuroscience in Education at the University of Cambridge. The report highlights the detrimental effects of maths anxiety on both pupils who struggle with maths, and those who do well in tests but may be discouraged from pursuing careers in STEM fields.

To return to those organisational changes, Francesca Piacentini, our original Events and Schools Manager decided to move on this year. Francesca was a long-standing member of the organisation, having started as a volunteer in our earliest days. We wish her many thanks, and all the best for the future. We are delighted that the three-day a week role will be taken on by Susan Bugby from September 2019.

Two trustees stepped down in this reporting period, founding Trustee Paul Wilmott, and Holly McGivern who joined in 2013-14. Both Paul and Holly contributed enormously to Maths on Toast and we thank them both for their valuable work.

Gemma Mann joined the board in the position of Secretary in October 2018, after 4 years as a volunteer in various roles. We are currently recruiting additional trustees to help us in our ambition to make everyone in the UK feel positive about maths!

Sophie Smith Sachdeva
on behalf of the Board of Trustees

The Need

Maths is a core school subject and numeracy is linked to life chances [1]. Our economy and society need mathematically literate people. Yet negative attitudes to maths prevail in the uk, from “I can’t do maths” as an (imitated and inherited) facet of identity to mathematically disabling ‘maths anxiety’ [2].

[1] Carpentieri, J.D., Litster, J., and Frumkin, L. (2009) Adult Numeracy: A Review of Research. NRDC.

Vision

We want everyone to feel positive about maths – to feel that it is something they can do, and enjoy.

Mission

To make maths a creative, enjoyable, human, social activity for families and communities.

Model

We run events, develop activity and product ideas and work in partnership to create fun, meaningful and impactful ways of engaging with maths.

People taking part in our activities will...



BE SUPPORTIVE OF OTHERS' MATHEMATICAL LEARNING.

INTERACT WITH A BROAD SECTION OF THE COMMUNITY AND BECOME MORE AWARE OF THE OPPORTUNITIES MATHS OPENS UP TO THEM.

HAVE POSITIVE, SHARED FAMILY MEMORIES OF MATHEMATICS.



INCREASE THEIR ENTHUSIASM FOR MATHS, REDUCE ANY FEAR OF IT - AND DO MORE AFTERWARDS.

ENGAGE IN MATHEMATICAL ACTIVITIES SHOWING CONCENTRATION, PLAY AND PERSISTENCE.



BROADEN THEIR VIEW OF WHAT AND WHERE MATHS IS.

ENJOY DOING MATHS TOGETHER AND BE AWARE THAT IT IS MATHS THAT THEY ARE ENJOYING.

INCREASE THEIR CONFIDENCE IN MATHS, SEEING IT AS SOMETHING THEY CAN DO.



Introducing the Toast Model

Taking inspiration from Sue Johnston-Wilder's concept of the Growth Zone Model, we created the Toast Model to help families understand their maths learning using our creative approach.

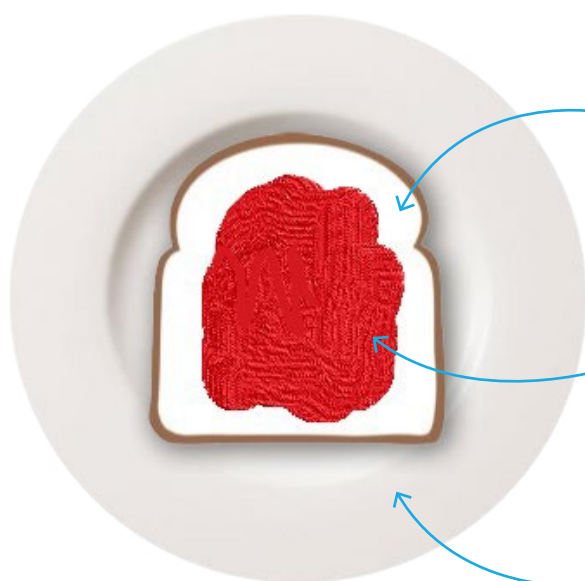
Primary schools are beginning to incorporate aspects of the Growth Mindset model into their teaching practice, so more children are becoming familiar with the ideas, language and strategies. However, for many parents this will be a completely new concept.

The Toast Model draws on Sue Johnston-Wilder's Growth Zone Model (Johnston-Wilder et al, 2015) – which is a framework for understanding different learning experiences and related feelings. The Growth Zone Model also has strong links to Growth Mindset (Carol Dweck 2012).

Our Toast Model is a simple, accessible and fun tool to help families explore the emotional journey of learning and understand how to develop mathematical resilience. From spring 2019, we started embedding the Toast Model across all of our delivery and output.

One of our committed volunteers gave a parent's perspective on how our Toast Model helps her to support her daughter's maths learning by writing a blog post.

[Read the full blog post on our website.](#)



Toast Zone

the maths feels chewy, crunchy, hard but you know you can get your teeth into it. Some buttery support might make it more digestible. You can persevere and learn. Also called the Growth Zone.

Jam Zone

sweet, this maths feels super easy! But are you learning? This is also called the Comfort Zone. Try to find a harder problem.

Off the edge

cold, empty, lonely, impossible-feeling. For ways to avoid panic and work your way back to the toast go to our website.

“It’s a great addition to illustrate how we all need to go through challenges”



“It’s proved a powerful tool to help recognise and say when things are too hard, safe in the knowledge that it’s a natural part of life”



“We found the Toast Model to be a simple but beautiful concept”

19K+

UNIQUE PAGE
VIEWS

100

DIRECT FAMILY
ENGAGEMENTS

26

DIRECT
TEACHER AND
EDUCATOR
ENGAGEMENTS



12,832

UNIQUE WEBSITE
VISITORS



474

DIRECT AUDIENCE
ENGAGEMENTS



GREAT
INITIATIVE,
SUCH FUN

PARENT'S
COMMENT

2850

INDIRECT FAMILY
ENGAGEMENTS

19

FESTIVAL OF TRIANGLES HELD
IN SCHOOLS ACROSS THE UK

24

COMMUNITY MATHS
EVENTS HELD



2175

FOLLOWERS



SUCH A GREAT SUCCESS
- A SUPER EVENING AND
LOADS OF FUN ACTIVITIES

TEACHER'S COMMENT

3315

RESOURCE
DOWNLOADS



406

FOLLOWERS



I LOVE
MATHS ON
TOAST!

CHILD'S
COMMENT

311

MATHS ON TOAST
VIDEO BITE VIEWS

439

COPIES OF
NUMBER RUMBLER
SOLD

Thanks to... Man Charitable Trust, John Lyon's Charity, Sir John Cass's Foundation, Royal Commission 1851, Pancras Square Library (Camden Council), the NSPCC, National Numeracy, Maths Week London, Media Trust, Cambridge House, Autopress Education, 123 Learning, Bletchley Park, North Yorkshire Coast Opportunity Area, Huguenots of Spitalfields, City Lit, British Library, Best Start for Families, Tower Hamlets Education Business Partnership, The Winch, Cubitt Education, Nicky Hoberman, Oxford Maths Festival, A New Direction, Camden Family Learning Network, the six London Maths Hubs, the Royal Institution and our many other partners, supporters, donors and volunteers.



Charitable
Trust



JOHN LYON'S
CHARITY



Sir John Cass'
Foundation

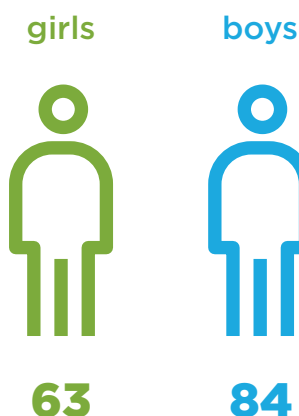
Community Maths Libraries

Our residency at Pancras Square Library

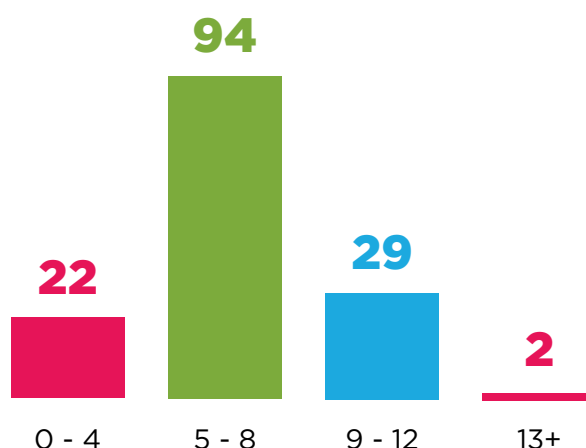
We had another successful year's residency at Pancras Square Library, presenting 11 family maths drop-in sessions.

We were delighted to agree the roll out of a second regular event with Camden Libraries, due to start in Autumn 2019 at Queen's Crescent Library. We aim to add a third regular library event in the next reporting year.

Gender



Age



Encounters

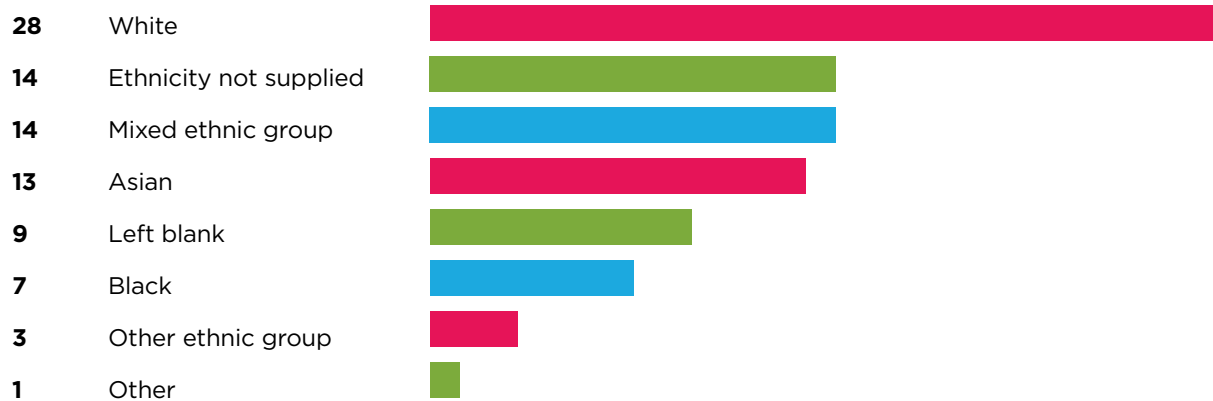


The total number of participants at the library this year was 264, or 89 intergenerational groups.

All library events

Parent's feelings about maths	
We do a bit of Maths/Science together, on and off	40
We do lots of Maths/Science stuff together	25
This is the first Maths/Science activity we've done together in a while	18
This is the first time we have ever done a Maths/Science thing together	2
Blank	4

Ethnicity



Number of family groups from the most represented boroughs:

- 38 Camden
- 17 Islington
- 5 Westminster
- 5 Hackney
- 5 Waltham Forest

Number of London boroughs represented:



“It was very good for me and my 9 year old child as she is learning times tables at school and now she knows some fun games and activities to do to help her learn.”

–

PARENT'S COMMENT

**“Lots of fun!
Thank you!”**

–

PARENT'S COMMENT

“A maths resistant child feeling enthused”

–

PARENT'S COMMENT

**“Practical
maths is fun!”**

–

PARENT'S COMMENT

**“Gives positive
experience
while learning”**

–

PARENT'S COMMENT

“Looking forward to try the challenges with other members of the family when we get home.”

–

PARENT'S COMMENT

“I loved it!”

–

CHILD'S COMMENT

“I loved this because I don’t really like maths at school but I like it here because it’s doing maths in a fun way and lots of people will start to like maths if it’s in a fun way.”

–

CHILD’S COMMENT

Very enjoyable and fun activities today.”

–

PARENT’S COMMENT

“[my child] aged 5 concentrated for much longer than usual!”

–

PARENT’S COMMENT

“Stimulating curiosity and interest in maths”

–

PARENT’S COMMENT

Community Maths Schools

Festival of Triangles

This week-long, whole-school community event, brings children, teachers and parents together to celebrate maths. It involves a series of teacher-led, classroom-based activities, culminating in an after-school event to which parents and carers are invited.

The Festival of Triangles kit provides schools with a practical plan and guide to all they will need to run a successful week and event. At the finale event, children's work is assembled into a giant mathematical structure, while parents and children carry out more creative maths activities together.

Festival of Triangles was developed as a way to encourage parents to get involved with their children's maths learning and to show - in a hands-on and interactive way - how much fun maths can be. It is an excellent parental engagement tool and offers the opportunity to explore and showcase maths in its many forms.

The accompanying training workshop for teachers enables groups of schools to engage in training with their peers. This offers a scalable model that enables Festival Triangles to reach more families. For example, Maths on Toast delivered teacher training to 12 schools as part of the North Yorkshire Coast Opportunity Area Maths Month.

A note on straws: children are some of the most vehement opponents of single-use plastic and Maths on Toast provides guidance on using bio-degradable alternatives.

“I loved the opportunity to collaborate and plan with colleagues from other schools.”

–

TEACHER ATTENDING NORTH YORKSHIRE COAST OPPORTUNITY AREA CPD TRAINING





“It felt like a really fun and happy afternoon! So lovely to see all the children and parents stay so long and everyone enjoying themselves...even the staff!”

-

ORGANISING TEACHER, WILLIAM DAVIS
PRIMARY SCHOOL

“An enjoyable and interesting day that will help us to put on what we hope will be a special event.”

-

TEACHER ATTENDING NORTH YORKSHIRE
COAST OPPORTUNITY AREA CPD TRAINING

In total, 19
primary schools
held a Festival of
Triangles this year.



“Lots of great ideas to support Maths Week and super resources provided for the Festival of Triangles.”

-

TEACHER ATTENDING NORTH YORKSHIRE COAST
OPPORTUNITY AREA CPD TRAINING

Number Party Pilot

We worked with Netley Primary School in Camden in June and July to deliver two week-long pilots of a new initiative.

Number Party is designed as a 'celebration of number' for teachers to deliver across a school week, culminating in an after-school parent engagement event. Its aims are to create enjoyable, fun and exploratory activities that are mathematical but also reach across the curriculum, placing maths in a variety of contexts. Number Party seeks to encourage pupils to think about how they deal with and feel about the challenge of approaching a maths problem. Drawing on the Toast Model it focuses on developing resilience, showing that maths isn't always about speed and quick-fire answers.

"I will be using the activities which have been shown to us over these past weeks"

"I would have liked longer sessions. Really enjoyed them"

Coffee Morning Pilot

This year we piloted Maths on Toast coffee mornings as a new parental engagement initiative.

Our coffee morning idea was developed as a way of reaching more families and offering schools the opportunity to build on their existing parent engagement programmes. The 4 session pilot took place in June 2019 at St Michael's Primary School in Camden with parents and children attending a series of hands-on creative maths workshops. We used a variety of our resources and activities and introduced the Toast Model to show participants how to create a positive, confident family attitude to maths. 11 families took part and they all agreed that the sessions were good family bonding time. 10 families said they had picked up lots of ideas for family maths activities to try at home.

“I enjoy every section the teaching was very good. And I love every part of it!”



Community Maths Partner Events

Pentonville Prison

The Best Start for Families ‘Family Learning in Prisons’ scheme provides opportunities for prisoners to engage in their children’s learning and development in meaningful and positive ways.

Our Events and Schools Manager attended the Best Start training session before developing her ‘Light and Stars’ themed workshop as part of a Pentonville Prison Family Fun Day. Our session offered a set of playful and creative maths activities enabling parents to engage in positive shared learning experiences and enjoy valuable family bonding time.

Maths rarely features in family engagement workshops. Our innovative approach combines maths, art, craft, games, making and building to offer an

approachable, hands-on engagement tool whilst simultaneously creating positive experiences of maths. 39.8% of the UK’s prison population have Level 1 and 2 numeracy levels (GCSE equivalent) in comparison to 50% of the general population. 10,000 visits are made to our public prisons by children every week.

(Sources: National Information Centre on Children of Offenders; Inside Time)

Francesca, our Events and Schools Manager chose this event as her highlight of the year!



City Lit Family Fun Days

In September and May we took part in two City Lit Family Fun Days - community events for families in the Somers Town area, Camden. On both occasions we delivered maths-themed crafts alongside activities provided by other organisations. This allowed us to both reach new audiences and strengthen our relationships with partners in Camden.

British Library Family Day

In June we took part in the British Library's 'Build a Story' family day, a deaf accessible family friendly event inspired by storytelling. We offered an activity focussed on the story of numbers where children invented number characters and brought them to life!

Skills of the Huguenots Day

We took part in Skills of the Huguenots Day in Spitalfields in October inviting participants to try their hand at various trades with a mathematical element - from charting journeys on maps, to pattern designs and weaving.

"I loved sorting the beads into 10, they make a nice pattern of colours."

—
CHILD'S COMMENT



Community Maths

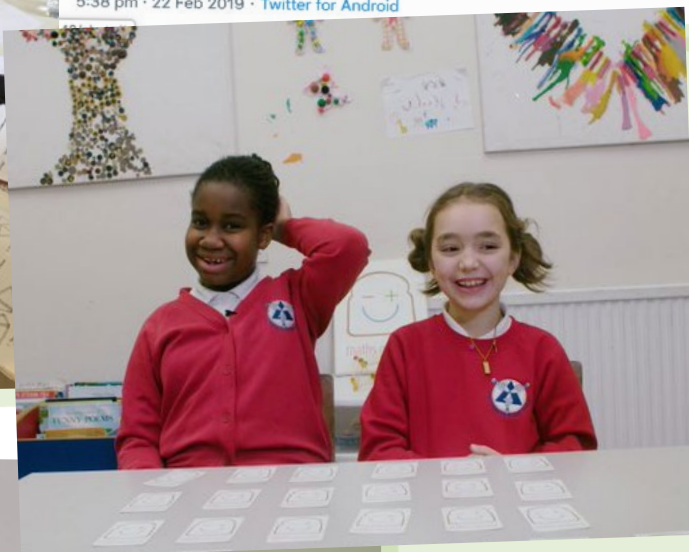
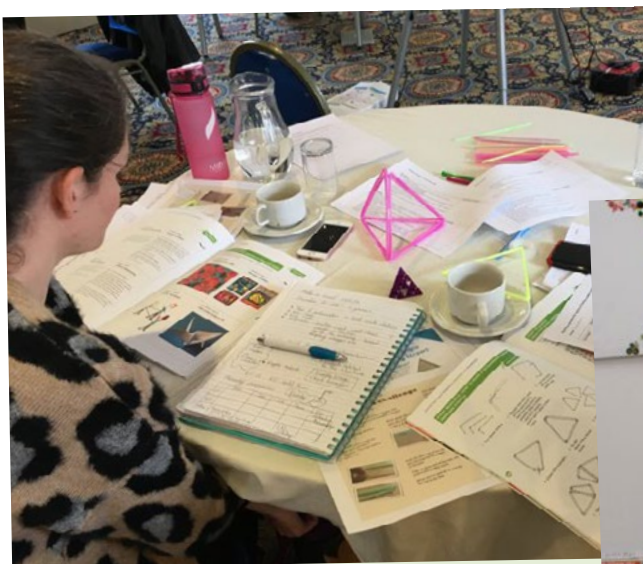
Maths On Toast Bites

In April we launched Maths on Toast Bites, a series of 5 short 'how to' films, presented by 8-11 year olds. The aim of the Maths on Toast Bites films - co-created with the Winch, a children's centre in Camden - is to show that maths can be creative, family fun and to broaden perceptions of what, and where, maths can be found.

Led by our Schools & Outreach Manager, 45 children took part in making the films which were directed by Sebastian Thiel from Upshot Entertainment. This project was funded by the Royal Commission of the Exhibition of 1851.

The films are an excellent way for families around the country – and indeed around the world – to engage with our approach. They are available to view on our website and are also featured in the National Numeracy's 'Family Toolkit'.





Community Maths Commissions and Collaborations

North Yorkshire Coast Opportunity Area Maths Month

We were invited by the Department for Education to take part in the first ever North Yorkshire Coast Opportunity Area Maths Month.

We delivered a bespoke workshop to teachers from 12 schools giving them additional resources and training to deliver a Festival of Triangles. Maths Month ran across Whitby, Scarborough and Filey throughout March 2019 with many free local events for communities to get involved in.

“We had a really successful Festival of Triangles. We have received a great deal of positive feedback and I think even the staff enjoyed it” !

DELEGATE TEACHER'S COMMENT



“Festival of Triangles was such a great success - a super evening and loads of fun activities.”

DELEGATE TEACHER'S COMMENT



12
SCHOOLS
PARTICIPATED!

Resources for Number Partners

We piloted a partnership with Tower Hamlets Education Business Partnership providing resources for their Number Partners project. Number Partner volunteers from World Pay and Risk Management Services trialled our resources with Bigland Green Primary School in Tower Hamlets. This pilot was undertaken with a view to creating an offer that could be rolled out among other Number Partner programmes across Tower Hamlets and ultimately UK-wide.

“It’s more fun doing [maths] with a partner; you can measure, you can stand up, you can stand on chairs like I just did!”

-

PUPIL’S COMMENT

“The resources are nice and colourful. Instructions are straightforward ... Number Rumbler cards are good for the 1:1 learning practice, maybe a child could even borrow a set home for the weekend like a library book.”

-

AMY FONG WORLD PAY COMPANY COORDINATOR

“The engagement and concentration levels of the children have definitely increased since we switched to the Maths on Toast materials. Their enthusiasm levels at the end of each session suggest they’re really enjoying themselves too.”

-

PHIL HAINES RMS COMPANY COORDINATOR



17
PUPILS

17
VOLUNTEERS

Four Fantastic Feathered Fours

At October's family maths drop-in session at Pancras Square Library, we delivered a pilot of Four Fantastic Feathered Fours with artist Nicky Hoberman and her daughter. The theme was Carousel of Conundrums.

We explored the emotional landscape of solving maths problems with the Four Fantastic Feathered Fours challenge, a visual feast of the open-ended 'four fours' maths problem. This was a unique opportunity for families to be creative and mathematical together. The Four

Fantastic Feathered Fours challenge is now part of our programme of free creative resources, used in library and community sessions.

'Looking forward to try the challenges with other members of the family when we get home.'

-
PARTICIPANT



'Thank you so much for this. It was so thoughtful of you to include my maths-phobic-daughter. She was utterly thrilled and quite overcome.'

-
NICKY HOBERMAN
CUBITT ARTIST



What Makes a Master CPD with Cubitt Artists

What is mastery? Is struggling in maths and art always a bad thing? Do you need to be a master in a subject in order to teach it?

In October Maths on Toast and Cubitt Education delivered “What Makes A Master?”, a cross-curricular enquiry connecting maths, art and Philosophy for Children (P4C).

Cubitt Artists hosted a teachers’ CPD session, led by the Cubitt Education and Maths on Toast teams and artist Poppy Green. Aimed at bringing together

teachers with different interests ranging from cross-curricular learning, art, maths and P4C, participants were able to share their ideas and try out activities which explored struggle and creativity. They were also able to take away a free resource.

“A lovely discussion of similar / different ideas behind art and math.”

TEACHER’S COMMENT



“Thank you, it was great to reflect and think about the teaching of subjects.”

TEACHER’S COMMENT



Reach and Engagement Products

Number Rumbler

This is our family card game. It's a creative open-ended way to practice times tables and develop number sense. Number Rumbler continues to be available for sale directly online or through suppliers including Bletchley Park, Autopress Education, Cambridge House and 123 Learning

Oxford Maths Festival

Number Rumbler made an appearance at the Oxford Maths Festival in May. The festival, in its second year, brought together talks, workshops and hands-on activities and Number Rumbler was part of its Mathematical Games session where families could get together and play lots of different card and board games, all with a maths twist.

Mayor of Camden's Christmas Appeal

In December we fundraised on behalf of the Mayor of Camden's Christmas Appeal and were able to raise enough for 64 packs of Number Rumbler. Gifts donated during the appeal were delivered to Camden children who are in care, temporarily homeless or victims of domestic violence.



We love hearing about the different games people come up with!



“Bought this card game for my daughter. She really loved it. She came up with a game of her own a bit like solitaire, but with a bit of competition it was great fun. She wanted to share it.”

PADMA BY EMAIL

MARCH 2019

Reach and Engagement Programming

Maths is everywhere!

As part of our creative approach, we make the link between maths and other subjects, in the school curriculum and in everyday life.

We respond to events and celebrations and incorporate them into our programming. In March we celebrated British Science Week highlighting the link between Science and Maths and our July and August library sessions took their inspiration from the Summer Reading Challenge.

Volunteers

UCL student Weishi Chen volunteers at our monthly Pancras Square Library sessions 'The 3D shapes I learnt about from our events - tetrahedron, octahedron, and icosahedron...actually provide me with lots of help in my recent study about biochemistry and macromolecule materials. So, as you can see, our events help not only the children but also the volunteers'.



Activities & Resources

Creative maths activities to try at home

Explore our fun creative maths activities, available to download for free! Our activities are suitable for children aged 4-12. We have used this symbol* where they are best suited to older children.

Post! Parents and carers, remember all of our resources are designed for exploring as a family. There is no right or wrong way, so don't be afraid to get stuck in and enjoy experimenting. Get creative, play, make mistakes and let children take each activity or challenge as far as they want. You'll be creating positive memories of maths together as a family – an important step in building a confident, can-do attitude towards maths.

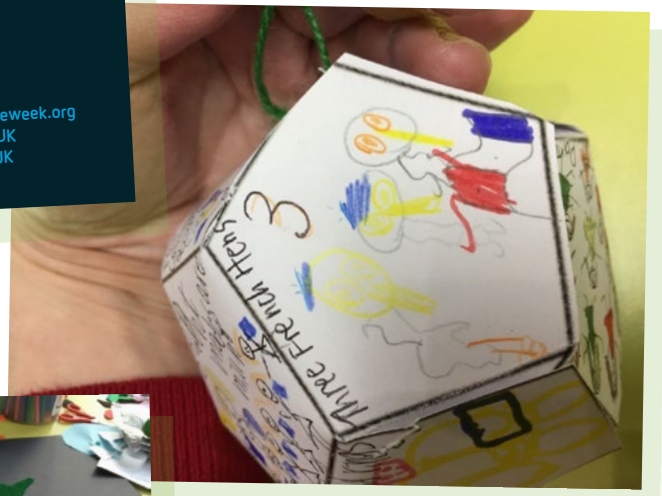
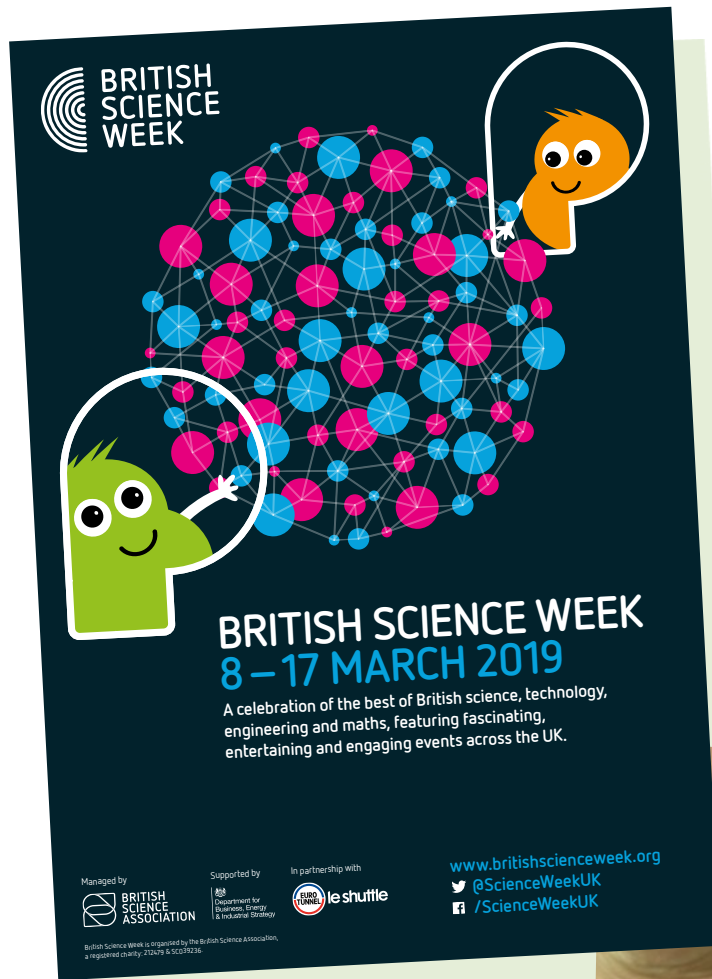
Numbers & Measurements

Maths of me activity

This activity is all about the maths of yourself. Explore the numbers surrounding you and your life.

LINKS OF ME ACTIVITY

Build a rocket activity



Reach and Engagement Partnerships

We are delighted to have participated in the following important initiatives and look forward to continued fruitful partnerships with Maths Week London, National Numeracy and the NSPCC.

Maths Week London

Maths on Toast's online resources were signposted and our June Pancras Square Library event promoted. The Mayor's Fund invited schools to apply for a small Maths Week London grant to run extra maths activities such as our Festival of Triangles, and our CEO wrote an article on maths anxiety for the Maths Week London blog.

Maths Week London aims to encourage a positive attitude towards maths, improve confidence and promote the value of maths as an essential life skill.



National Numeracy Day

In May we supported National Numeracy Day, a campaign to raise awareness of the importance of numeracy and to build people's confidence in using numbers in their daily life.



NSPCC Number Day

For the 3rd year running our resources were part of NSPCC 'Number Day' which took place this year on 1st February. 3,942 school across the UK registered, with an estimated 900,000 children taking part.



TOTAL NUMBER OF DOWNLOADS OF MATHS ON TOAST RESOURCES FOR NSPCC NUMBER DAY (2017-2019)

Measure Me	1732
Wish Upon a Star	1115
Family Maths at Home	1259
Total	4106

Reach and Engagement People

Maths on Toast' has benefited this year from the support of the Media Trust as well as individuals Sonia Pignorel and Peter Dudfield. We thank them for their valuable contributions.

Media Trust & John Lyon's Charity Volunteer Films

Maths on Toast was one of 12 lucky charities to be picked by the MediaTrust to take part in its John Lyon's Charity funded Volunteer Films project. We got the opportunity to create a short film all about our work, made by a professional filmmaker.



Marathon Maths

Sonia Pignorel is in analyst at Man AHL, chose Maths on Toast as her nominated charity when she ran the 2019 Virgin Money London marathon in April 2019. A few weeks before running she visited one of our family maths drop-in sessions at Pancras Square Library to see our work in action!



Mathematical Art Mathematician Peter Dudfield

has been supporting Maths on Toast in a unique, creative way. Using computer programming he has created a series of art works using a variety of mathematical techniques. All profits from the sales are shared between Maths on Toast and the British Red Cross.



"I visited the library on Saturday for their 'Data Detectives' event. Children with their families were enjoying challenges that expose them to mathematical concepts."



Our Team

Trustees



Dr Alison Clark-Wilson



Gemma Mann
(from October 2018)



Holly McGivern
(resigned June 2019)



Krystle McGilvery



Sophie Smith Sachdeva



Reena O'Neill



Dr Paul Wilmott
(resigned August 2019)

Founder



Alexandra Fitzsimmons
CEO (until November 2018)

Staff



Lucy Davis
CEO (from November 2018)



Nathalie Meghrich
General Manager



Francesca Piacentini
Events & Schools Manager (until August 2019)

For biographies of our trustees and staff team visit our website

Volunteers

Thanks to all of our volunteers for contributing their time, energy and creativity.
Thanks to UCL Volunteering Services, Reach Volunteering and STEMNet for supporting us in recruiting volunteers.

Financial Review

During the current financial year the Charity achieved a surplus of £10,846 (2018: surplus of £3,838), increasing total reserves at year end to £57,562 (2018: £46,716).

Of the reserves held at year end, £55,094 (2018: £40,209) related to unrestricted funds and £2,468 (2018: £6,507) related to restricted funds.

Reserves Policy

The Trustees have considered Charity Commission guidance on reserves. The Maths on Toast Reserves Policy is set to maintain a sufficient level of reserves to enable normal operating activities. The reserves level has been set to ensure that the Charity is able to continue over a period of at least 6 months should a shortfall in income occur. It also takes account of potential risks and contingencies that may arise from time to time.

Therefore, the Trustees have set a minimum reserves level of £35,000 at the end of the financial year 2018-2019. The year-end unrestricted reserve of £55,094 safely exceeds this minimum level.

Statement of Board of Trustees' Responsibilities

The trustees are responsible for preparing the Trustees' Annual Report and the financial statements in accordance with applicable law and regulations. Company law requires the trustees to prepare financial statements for each financial year. Under that law they are required to prepare the financial statements in accordance with UK Accounting Standards and applicable law (UK Generally Accepted Accounting Practice), including FRS 102 The Financial Reporting

Standard applicable in the UK and Republic of Ireland.

Under company law the trustees must not approve the financial statements unless they are satisfied that they give a true and fair view of the state of affairs of the charitable company and of the excess of income over expenditure for that period. In preparing these financial statements, the trustees are required to:

- select suitable accounting policies and then apply them consistently;
- observe the methods and principles in the Charities SORP;
- make judgements and estimates that are reasonable and prudent;
- state whether applicable UK Accounting Standards have been followed, subject to any material departures disclosed and explained in the financial statements, and;
- prepare the financial statements on the going concern basis unless it is inappropriate to presume that the charitable company will continue its activities.

The trustees are responsible for keeping adequate accounting records that are sufficient to show and explain the charitable company's transactions and disclose with reasonable accuracy at any time the financial position of the charitable company and enable them to ensure that the financial statements comply with the Companies Act 2006. They have general responsibility for taking such steps as are reasonably open to them to safeguard the assets of the charitable company and to prevent and detect fraud and other irregularities.

The trustees are responsible for the maintenance and integrity of the corporate and financial information included on the charitable company's website. Legislation in the UK governing the preparation and dissemination of financial statements may differ from legislation in other jurisdictions. In addition, the trustees confirm that they are happy that content of the annual review in pages 42-52 of this document meet the requirements of both the Trustees' Annual Report under charity law and the Directors' Report under company law.

They also confirm that the financial statements have been prepared in accordance with the accounting policies set out in the notes to the accounts and comply with the charity's governing document, the Charities Act 2011 and Accounting and Reporting by Charities: Statement of Recommended Practice applicable to charities preparing their accounts in accordance with FRS 102, The Financial Reporting Standard applicable in the UK and Republic of Ireland published on 16 July 2014.

Preparation of the report

This report has been prepared taking advantage of the small companies exemption of section 415A of the Companies Act 2006.

This report was approved and authorised for issue by the Board of Trustees on 18 May 2020 and signed on its behalf by:



Krystle McGilvery

Treasurer, Board of Trustees

Independent Examiner's Report to the Members of Maths on Toast

I report to the Trustees on my examination of the accounts of Maths on Toast (charity number 1151486, company number 08196529) for the year ended 31 August 2019 which are set out on pages 42–52.

Respective responsibilities of trustees and examiner

The Trustees (who are also the directors of the company for the purposes of company law) are responsible for the preparation of the accounts in accordance with the requirements of the Companies Act 2006 ('the 2006 Act'). The Trustees consider that an audit is not required for this year under section 144(2) of the Charities Act 2011 ('the 2011 Act') nor under Part 16 of the 2006 Act, and that an independent examination is needed.

Having satisfied myself that the accounts of the Company are not required to be audited under Part 16 of the 2006 Act and are eligible for independent examination, it is my responsibility to:

- examine the accounts under section 145 of the 2011 Act;
- to follow the procedures laid down in the general directions given by the Charity Commission under section 145(5)(b) of the Charities Act; and,
- to state whether particular matters have come to my attention.

This report, including my statement, has been prepared for and only for the Charity's Trustees as a body. My work has been undertaken so that I might state to the Charity's Trustees those matters I am required to state to them in an independent examiner's report and for no other purpose. To the fullest extent permitted by law, I do not accept or assume responsibility to anyone other than the Charity and the Charity's Trustees as a body for my examination work, for this report, or for the statements I have made.

Basis of independent examiner's statement

My examination was carried out in accordance with general directions given by the Charity Commission. An examination includes a review of the accounting records kept by the Charity and a comparison of the accounts presented with those records. It also includes consideration of any unusual items or disclosures in the accounts and seeking explanations from the Trustees concerning any such matters.

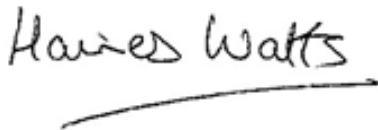
The procedures undertaken do not provide all the evidence that would be required in an audit, and consequently no opinion is given as to whether the accounts present a 'true and fair' view and the report is limited to those matters set out in the statement below.

Independent examiner's statement

I have completed my examination. I confirm that no material matters have come to my attention in connection with the examination giving me cause to believe that in any material respect:

- accounting records were not kept in respect of the Company as required by section 386 of the 2006 Act; or,
- the accounts do not accord with those records; or,
- the accounts do not comply with the accounting requirements of section 396 of the 2006 Act other than any requirement that the accounts give a 'true and fair' view which is not a matter considered as part of an independent examination; or,
- the accounts have not been prepared in accordance with the methods and principles of the Statement of Recommended Practice for accounting and reporting by charities applicable to charities preparing their accounts in accordance with the Financial Reporting Standard applicable in the UK and Republic of Ireland (FRS 102).

I have no concerns and have come across no other matters in connection with the examination to which attention should be drawn in this report in order to enable a proper understanding of the accounts to be reached.



Shaun Brownsmith FCA

For and on behalf of Haines Watts Chartered Accountants

4 Claridge Court

Lower Kings Road

Berkhamsted

Hertfordshire, HP4 2AF

Date: 26 May 2020

Statement of Financial Activities

Incorporating the Income & Expenditure Account
and the Statement of Recognised Gains & Losses

For the year ended 31 August 2019

	<i>Notes</i>	Unrestricted Funds 2019	Restricted Funds 2019	Total Funds 2019	<i>Total Funds 2018</i>
Income from:					
Donations and legacies	2	37,755	30,020	67,775	50,197
Charitable activities	3	10,336	-	10,336	10,864
Total income		48,091	30,020	78,111	61,061
Expenditure on:					
Raising funds	4 & 5	8,213	3,687	11,900	17,957
Charitable activities -					
Community Maths	4 & 6	10,119	19,670	29,789	25,778
Partnerships and collaboration	4 & 6	14,874	10,702	25,576	13,488
Total expenditure		33,206	34,059	67,265	57,223
Net income/(expenditure)		14,885	(4,039)	10,846	3,838
Reconciliation of funds:					
Balance brought forward	11 & 12	40,209	6,507	46,716	42,878
Balance carried forward	11 & 12	55,094	2,468	57,562	46,716

Balance Sheet

As at 31 August 2019

	Notes		Total Funds 2019	Total Funds 2018
Current assets				
Stocks	8	229	997	
Debtors	9	1,549	415	
Cash at bank and in hand		87,601	69,052	
Total current assets		89,379	70,464	
Creditors - amounts falling due within one year	10	(31,817)	(23,748)	
Net current assets		57,562		46,716
Net assets		57,562		46,716
Funds of the charity:				
Restricted funds	11 & 12	2,468		6,507
Unrestricted funds				
General funds	11 & 12	55,094	40,209	
		55,094		40,209
		57,562		46,716

The financial statements have been prepared in accordance with section 415A of the Companies Act 2006 relating to small companies and FRS 102 Section 1A.

The charitable company is entitled to exemption from audit under section 477 of the Companies Act 2006 for the year ended 31 August 2019, and the members have not required the charitable company to obtain an audit of its financial statements for the year ended 31 August 2019 under section 476 of the Companies Act 2006.

The directors acknowledge their responsibilities for complying with the requirements of the Act with respect to accounting records and the preparation of the accounts.

They were approved and authorised for issue by the Board of Trustees on 18 May 2020 and signed on their behalf by:



Krystle McGilvery

Treasurer, Board of Trustees

Notes to the Financial Statements

1. Accounting Policies

Basis of preparation of the financial statements

The financial statements have been prepared in accordance with 'Charities SORP (FRS 102) - Accounting and Reporting by Charities: Statement of Recommended Practice applicable to charities preparing their accounts in accordance with the Financial Reporting Standard applicable in the UK and Republic of Ireland (FRS 102) (effective 1 January 2015)', the Financial Reporting Standard applicable in the UK and Republic of Ireland (FRS 102) and the Companies Act 2006.

The effect of any event relating to the period ended 31 August 2019, which occurred before the date of approval of the financial statements by the Board of Trustees has been included in the financial statements to the extent required to show a true and fair view of the state of affairs at 31 August 2019 and the results for the year ended on that date.

Under the exemption available to smaller charities the Board of Trustees has chosen not to include a Statement of Cash Flows within the financial statements.

The functional currency of the charity is sterling. The amounts in the financial statements are rounded to the nearest pound.

Going concern

The financial statements have been prepared on the going concern basis as the Board of Trustees is confident that future reserves and future income is more than sufficient to meet current commitments. There are no material uncertainties that impact this assessment.

Legal status

Maths on Toast is a charitable company limited by guarantee registered in England & Wales, and meets the definition of a public benefit entity under FRS 102. In the event of the Charity being wound up, the liability in respect of the guarantee is limited to £1 per member of the charity. The registered address is Edspace, Block D Hackney Community College, Falkirk St, London N1 6HQ.

Fund Accounting

General funds are unrestricted funds which are available for use at the discretion of the Trustees in furtherance of the general objectives of the Charity and which have not been designated for other purposes.

Restricted funds are funds that are to be used in accordance with specific restrictions imposed by donors or that have been raised by the Charity for particular purposes. The cost of raising and administering such funds are charged against the specific fund. The aim and use of each restricted fund is set out in note 11 of the financial statements.

Income

Income is recognised when the charity has entitlement to the funds, any performance indicators attached to the item(s) of income have been met, it is probable that the income will be received, and the amount can be measured reliably.

Donations are recognised in full in the Statement of Financial Activities when entitled, receipt is probable and when the amount can be quantified with reasonable accuracy. Gift aid receivable is included when claimable.

Grant income is credited to the Statement of Financial Activities when received or receivable whichever is earlier, unless the grant relates to a future period, in which case it is deferred.

Income from charitable activities is credited to the Statement of Financial Activities when received or receivable whichever is earlier, unless it relates to a specific future period or event, in which case it is deferred.

Notes to the Financial Statements

Expenditure and irrecoverable VAT

All expenditure is accounted for on an accruals basis and has been included under expense categories that aggregate all costs for allocation to activities.

Indirect costs, including governance costs, which cannot be directly attributed to activities, are allocated proportionate to total direct costs allocated to each project area, as outlined in note 4 of the financial statements.

During the current year the cost allocation model has been reviewed and the prior year figures have been restated to account of this change.

Irrecoverable VAT is charged against the category of expenditure for which it was incurred.

Cash at bank and in hand

Cash at bank and in hand includes cash in hand, deposits with banks and funds that are readily convertible into cash at, or close to, their carrying values, but are not held for investment purposes.

Stock

Stock is valued at the lower of cost and net realisable value, after making due allowance for obsolete and slow moving items.

Debtors and prepayments

Trade and other debtors are recognised at the settlement amount after any trade discount is applied. Prepayments are valued at the amount prepaid net of any trade discounts due.

Creditors

Creditors are recognised where the charity has a present obligation resulting from a past event that will probably result in the transfer of funds to a third party, and the amount due to settle the obligation can be measured or estimated reliably.

Pensions

The charity operates a defined contribution pension schemes which is administered by an external independent pension provider. Contributions are recognised in the Statement of Financial Activities as they fall due, however during the current and previous financial years all eligible employees chose to opt out of the scheme.

Critical estimates and judgements

In preparing financial statements it is necessary to make certain judgements, estimates and assumptions that affect the amounts recognised in the financial statements. These assumptions are reassessed annually as part of the accounts preparation process.

In the view of the Trustees in applying the accounting policies adopted, no judgements were required that have a significant effect on the amounts recognised in the financial statements nor do any estimates or assumptions made carry a significant risk of material adjustment in the next financial year.

Financial instruments

Basic financial instruments are measured at amortised cost other than investments which are measured at fair value.

2. Income from donations and legacies

	Unrestricted Funds 2019	Restricted Funds 2019	Total Funds 2019	Unrestricted Funds 2018	Restricted Funds 2018	Total Funds 2018
Advocates	-	6,670	6,670	-	2,330	2,330
John Lyon's Charity	-	8,667	8,667	-	4,333	4,333
Man Charitable Trust	36,840	7,373	44,213	1,000	36,855	37,855
Sir John Cass Foundation	-	7,310	7,310	-	-	-
Grants	36,840	30,020	66,860	1,000	43,518	44,518
Other donations and income	915	-	915	5,679	-	5,679
	37,755	30,020	67,775	6,679	43,518	50,197

3. Income from charitable activities

	Unrestricted Funds 2019	Restricted Funds 2019	Total Funds 2019	Unrestricted Funds 2018	Restricted Funds 2018	Total Funds 2018
Consultancy services	1,400	-	1,400	400	-	400
Sale of educational resources	8,538	-	8,538	10,299	-	10,299
Event delivery	398	-	398	165	-	165
	10,336	-	10,336	10,864	-	10,864

4. Total expenditure

	Direct staff costs 2019	Direct other costs 2019	Indirect staff costs 2019	Indirect other costs 2019	Total Funds 2019	Direct staff costs 2018	Direct other costs 2018	Indirect staff costs 2018	Indirect other costs 2018	Total Funds 2018
Raising funds	7,852	20	1,619	2,409	11,900	8,273	1,545	4,351	3,788	17,957
Charitable activities										
Community Maths	15,575	4,130	4,053	6,031	29,789	9,334	4,760	6,246	5,438	25,778
Partnerships & collaboration	12,213	4,705	3,479	5,179	25,576	7,374	-	3,268	2,846	13,488
	27,788	8,835	7,532	11,210	55,365	16,708	4,760	9,514	8,284	39,266
Charitable activities	35,640	8,855	9,151	13,619	67,265	24,981	6,305	13,865	12,072	57,223

During the current year the cost allocation model has been reviewed and the prior year figures have been restated to account of this change.

Indirect costs have been allocated based on the proportion of direct costs attributable to each activity.

An analysis of staff costs can be found in note 7.

An analysis of charitable activities split between restricted and unrestricted funds can be found in note 5.

An analysis of charitable activities split between restricted and unrestricted funds can be found in note 6.

4. Total expenditure cont.

	Total Funds 2019	<i>Total Funds 2018</i>
Indirect salaries	11,900	17,957
Other staff costs		
Premises	29,789	25,778
Administration	25,576	13,488
Governance		
	55,365	39,266
	67,265	57,223

Governance costs includes the following expenses:

	Total Funds 2019	<i>Total Funds 2018</i>
Independent examination	765	-
Accounts preparation	1,080	600
	1,845	600

5. Expenditure on raising funds

	Unrestricted Funds 2019	Restricted Funds 2019	Total Funds 2019	<i>Unrestricted Funds 2018</i>	<i>Restricted Funds 2018</i>	<i>Total Funds 2018</i>
Direct costs	5,081	2,791	7,872	1,589	8,229	9,818
Indirect costs	3,132	896	4,028	227	7,912	8,139
	8,213	3,687	11,900	1,816	16,141	17,957

6. Expenditure on charitable activities

	Unrestricted Funds 2019	Restricted Funds 2019	Total Funds 2019	Unrestricted Funds 2018	Restricted Funds 2018	Total Funds 2018
Community Maths						
Direct costs	3,427	16,278	19,705	931	13,163	14,094
Indirect costs	6,692	3,392	10,084	326	11,358	11,684
	<u>10,119</u>	<u>19,670</u>	<u>29,789</u>	<u>1,257</u>	<u>24,521</u>	<u>25,778</u>
Partnerships & collaboration						
Direct costs	7,934	8,984	16,918	2,510	4,864	7,374
Indirect costs	6,940	1,718	8,658	3,241	2,873	6,114
	<u>14,874</u>	<u>10,702</u>	<u>25,576</u>	<u>5,751</u>	<u>7,737</u>	<u>13,488</u>
	<u>24,993</u>	<u>30,372</u>	<u>55,365</u>	<u>7,008</u>	<u>32,258</u>	<u>39,266</u>

7. Staff Costs

	Total Funds 2019	Total Funds 2018
Gross salaries	50,286	38,578
Employer's pension	618	268
HMRC SMP reimbursement	(6,114)	-
	<u>44,790</u>	<u>38,846</u>

The average headcount during the year was 4 (2018: 3).

The average number of employees calculated as full-time equivalents during the period was 1.2 (2018: 0.7).

No employee received employee benefits of more than £60,000 (2018: Nil).

The total employee benefits paid to key management personnel during the year was £15,557 (2018: £10,500).

8. Stock

.....

	Total Funds 2019	<i>Total Funds 2018</i>
Number Rumbler	229	997
	229	997

9. Debtors

.....

	Total Funds 2019	<i>Total Funds 2018</i>
Accounts receivable	-	165
Staff floats	300	250
Reimbursement due from HMRC	1,249	-
	1,549	415

10. Creditors – amounts falling due within one year

.....

	Total Funds 2019	<i>Total Funds 2018</i>
Accounts payable	391	157
Staff expenses payable	-	161
Accruals	1,845	600
Pensions payable	124	48
Deferred grant revenue	29,298	22,710
Credit card	159	-
Other creditors	-	72
	31,817	23,748

11. Analysis of charity funds

	Balance brought forward 2019	Income received in year 2019	Expenditure incurred in year 2019	Transfer between funds 2019	Balance carried forward 2019
Unrestricted funds					
General funds	40,209	48,091	(33,206)	-	55,094
Total unrestricted funds	40,209	48,091	(33,206)	-	55,094
Restricted funds					
Advocates	2,330	6,670	(9,000)	-	-
John Lyon's Charity	4,177	8,667	(12,844)	-	-
Man Charitable Trust	-	7,373	(7,373)	-	-
Sir John Cass	-	7,310	(4,842)	-	2,468
Total restricted funds	6,507	30,020	(34,059)	-	2,468
Total funds	46,716	78,111	(67,265)	-	57,562

	Balance brought forward 2018	Income received in year 2018	Expenditure incurred in year 2018	Transfer between funds 2018	Balance carried forward 2018
Unrestricted funds					
General funds	31,489	17,543	(8,823)	-	40,209
Total unrestricted funds	31,489	17,543	(8,823)	-	40,209
Restricted funds					
Advocates	-	2,330	-	-	2,330
John Lyon's Charity	11,389	4,333	(11,545)	-	4,177
Man Charitable Trust	-	36,855	(36,855)	-	-
Sir John Cass	-	-	-	-	-
Total restricted funds	11,389	43,518	(48,400)	-	6,507
Total funds	42,878	61,061	(57,223)	-	46,716

Restricted funds

Child Advocates for Maths Project

A series of workshops to develop 5 short videos created with and presented by children (aged 8-11 years old) which will be made available online to promote positive engagement in family learning across the UK.

Restricted funds

John Lyon's Charity

This was a three-year grant supporting educational workshops and events in the London Borough of Camden.

Restricted funds

Man Charitable Trust

This was a one year grant supporting a marketing and operations manager role for the charity.

Restricted funds

Sir John Cass's Foundation

This is a two-year grant supporting educational workshops and events in the London Borough of Camden.

12. Analysis of net assets

	Unrestricted Funds 2019	Restricted Funds 2019	Total Funds 2019	<i>Unrestricted Funds 2018</i>	<i>Restricted Funds 2018</i>	<i>Total Funds 2018</i>
Current assets	86,911	2,468	89,379	63,957	6,507	70,464
Current liabilities	(31,817)	-	(31,817)	(23,748)	-	(23,748)
	<u>55,094</u>	<u>2,468</u>	<u>57,562</u>	<u>40,209</u>	<u>6,507</u>	<u>46,716</u>

13. Trustee remuneration

During the year, no trustee received any remuneration (2018: £Nil). No members of the Board of Trustees received reimbursement of expenses (2018: £Nil).

14. Related party transactions

During the year there were no transactions carried out with related parties (2018: £Nil).



If you would like to know
more, please get in touch...

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Maths on Toast is a charity based in
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Registered company no. 08196529

Registered address: c/o NCC Space, Block D,
Hackney Community College, London N1 6HQ

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