

Maths Champions Programme

Maths Champions is an online professional development programme with 12 months access developed by National Day Nurseries Association (NDNA). The programme consists of nine steps which can be completed flexibly around your schedule.


The aim of the programme is to increase practitioner knowledge, awareness and confidence in supporting early mathematics in order to improve outcomes for children. Participating nurseries will nominate a Maths Champion and Deputy Maths Champion who will lead the programme supporting and driving improvement.

The Education Endowment Foundation (EEF) evaluation report found that:

- + Children in Maths Champions setting made, on average, the equivalent of three months' additional progress in maths and language attainment compared to a control group**
- + Children eligible for Early Years Pupil Premium (EYPP) made, on average, the equivalent of six months' additional progress in maths attainment**
- + Maths Champions received the EEF's highest possible security rating for the strength of the evidence and the low cost to settings.**

Our own research found that:

- + 100% of settings said that their knowledge of supporting children's mathematical development improved during the course of the programme**
- + 100% of settings said that the programme had a beneficial impact on the staff in their setting**
- + 95% of settings said the programme was good value for money**
- + 95% of settings would recommend the programme to others.**



**Find out more at:
ndna.org.uk/maths-champions**



As an NDNA Maths Champion you will support your team to evaluate and develop their knowledge, understanding and practice in relation to early year's mathematics, in order to increase their confidence in supporting and teaching children in this area.

You will support staff to develop an enabling environment resulting in high quality maths experiences being available throughout the day, providing children with the best possible start in their mathematical development.

The Maths Champions Programme contains nine steps for you to work through during your enrolment. A brief outline of these steps can be found below.

Step 1: Initial Tasks

This section includes important information about the programme and what is expected throughout. It also allows us to get to know you better.

Step 2: Reflective Learning Journal

This section contains an optional learning journal that you can use throughout the programme to record your reflections, training, development plans and achievements.

Step 3: Online Training

This section contains three bespoke online training courses designed to enhance and consolidate your current knowledge and support staff and children to improve outcomes.

Step 4: Children's Observational Assessment

This section contains a tracking tool to record the impact of changes made throughout the programme on a chosen sample of children.

Step 5: Audits

This section contains a learning environment and staff confidence audit tool to help you evaluate your current practice and identify areas for improvement that you can focus on.

Step 6: Action Plans

This section contains action plan templates allowing you to record key priorities identified in the audits. These can be used throughout the programme to improve practice and record your achievements.

Step 7: Core Activities

This section contains core play based activities to be carried out with children in your setting. The aim of these are to increase staff's understanding and confidence and to benefit children's attainment through every day activities.

Step 8: Measuring Impact

This section requires you to revisit the tracking tool in step four and the audits and action plans in steps five & six to identify the areas where you have made improvement and evaluate the impact of this and success of the programme.

Step 9: Case Study

This section contains a case study for you to complete focussing on an area that you have been developing throughout the programme. This is your opportunity to share the success you have had.

The programme includes two online training courses specifically created by Dr. Sue Gifford for the Maths Champions Programme. These cover the key aspects of maths in the early years including priorities, predictors from research, the progression of big ideas in early number sense and the key aspects of shape, space and measures. You will also explore developmentally appropriate teaching approaches and investigate different methods for observing, assessing and planning for maths across the different ages of children in the setting.

You will also receive ongoing support throughout the 12 months on the programme through:

- + **An initial live induction to take you through the programme steps and how to log in with opportunity for questions**
- + **Monthly one-to-one support to discuss your progress, any obstacles and any further support we can offer**
- + **Regular live webinars on emerging topics with opportunities to network and ask questions.**

You can also gain access to an extensive Resource Bank with hundreds of additional activities, handouts and useful links.



Songs & Rhymes



Role Play & Small World



Construction & Block Play



Outdoor M



Cooking



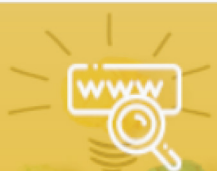
Holidays & Festivals



Maths & IT



Maths at H



Useful Links



Printable Resources



Research & Articles



Webina

What our champions are saying...



"The observational assessment breaks down the areas of maths further than we have ever looked at them before and has helped so much with staffs understanding and also unpicking children's knowledge and understanding. As a result, it showed children in our setting have made good improvement with mathematics, showing more interest in mathematics around them and in their environment."

+ PVI Pre-School

"The core activities provided carefully structured learning opportunities, designed to be rehearsed and consolidated. They supported the EYFS ethos of learning through play, and so the children never tired of them. They were eager to repeat them throughout the week, thus ensuring mathematics skills and understanding were embedded."

+ Nursery Class



"The programme was really well set out and the format was great – quick and easy to use."

+ PVI Pre-School

"Being involved in the Maths Champion programme has been an amazing experience and one which will impact on the children and staff for years to come."

+ Nursery School



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