

Case study:

Improving maths in the early years.

Name of setting: The Home Nursery

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Title: Improving maths in the early years.

Key points of your Maths Champions improvements

- Maths boxes
- Knowledge and understanding of mathematics
- Using maths in everyday play.

Background detail

The nursery is in centre of Boston and have over 80 children. All children are from different backgrounds and nearly half of the children receiving 2 years old funding and 3-4 years old funding. The nursery joined Maths Champion programme to improve the maths for all children from 0 to 5 years. Our aim is to have better knowledge and understanding of how maths support children's holistic development. Furthermore, to show other practitioners that maths can be used in everyday activities and children are learning this skills in every possible way.

Section 2

Highlights and lowlights of the programme so far

To support maths in the room, maths boxes been created for children to explore with simple things in them, such as number lines, dice, 2D shapes and numbers- each room received a box with age appropriate elements. Furthermore, to support each room, maths activities been created and sent out for practitioners to take part in with the children to give them an idea of maths in play time. Through the activities some of the practitioners recognised that children used maths without thinking of it. The barriers that appeared where, some practitioners didn't used maths boxes enough, letting children to explore it. Furthermore, some staff members do not encourage mathematical language such as prepositions or naming the bigger numbers for the children to develop their knowledge a bit further.

Impact of the programme

The impact of the programme been on our environment, as there are more visible number lines for children to have concept of the numbers. During any kind of the activities, maths is involved more in any way. It has a positive impact on the practitioners, as they develop their own maths awareness and understand how maths supports children's development as whole. Parents and families shows support in this programme too, as they record any maths activities on 'Try this at home' sheet or they share it on tapestry for child's key worker to see it and develop their knowledge further.

Did you achieve what you wanted from the programme? If so, how?

As the nursery, we have an achieved what we aimed for, as practitioners have more understanding and knowledge of maths and how to improve it. Children have more opportunities to develop maths alongside their holistic development. All children achievements of mathematics are recorded in 'Maths Coordination' scrapbook, to show how children across all ages develop their maths in all different kind of ways.

How has the programme helped you further develop your own practice?

Maths Champion Programme helped in my own practice, as I have understood how maths can support children developmental matters and support children socialize with each other's, as children can work together to solve problems and think critically about the ideas they are creating. Furthermore, it helped me support the practitioners in the setting, through helping them with maths activities and creating boxes for the children to explore.

Next steps

The next steps to improve maths in the setting will be improve some of the maths resources, to include more outdoor resources which will support mathematics outside. Practitioners to plan in the moment, as children like playing freely and through tune in what children saying or doing, it will have an impact on planning spontaneously, and maths to be included in there, as like it been shown maths is everywhere around us.

Practitioners to involve children in every time as possible, as well as to make sure parents are involved in supporting children's mathematics skills. By sending 'try this at home' sheets to support activities at home and by recording on tapestry the activities and link them into maths area in EYFS.

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