



East Ayrshire Numeracy and Mathematics Professional Learning 2022-23

The East Ayrshire SAC Numeracy Team are offering a range of CLPL opportunities for practitioners during session 2022-23. The details and for this universal CLPL offer is below.

ACCESS

Professional Learning listed as Virtual will take place on the *East Ayrshire Raising Attainment in Numeracy Microsoft Team* and a Glow login will be required to access it. Further joining instructions will be sent to you closer to the date of the session. If you are not already a member of the *East Ayrshire Raising Attainment in Numeracy Training Microsoft Team* you can join using the code: **z5xbbcn**

Some sessions are planned so that they are face-to-face training opportunities. Details are in the registration forms. **Please follow the relevant links below to register for each of the training inputs listed**

Introduction to Numicon Resources (Early to First Level)

Wednesday 24th August 2022 from 16:00 to 17:30

This twilight session will look at the numicon resources available in schools and to provide some examples of how they can be used to support learning and teaching in numeracy and maths. This introduction to numicon session is aimed at practitioners working at Early/First level.

To register for this even please follow the link

<https://forms.office.com/r/bzF4MP0Lvk>

or scan the QR code.



Introduction to Numicon Resources (First/Second/Third Level)

Thursday 22nd September 2022 from 16:00 to 17:30

This twilight session will look at the numicon resources available in schools and to provide some examples of how they can be used to support learning and teaching in numeracy and maths. This introduction to numicon session is aimed at practitioners working at Second/Third level.

To register for this even please follow the link

<https://forms.office.com/r/cwwdeB6jBE>

or scan the QR code.



Effective Planning and Assessment in Numeracy and Maths

Wednesday 26th October 2022 and Wednesday 11th January 2023

Repeated on

Wednesday 25th January 2023 and Wednesday 15th March 2023

All sessions are from 15:45 to 17:15

These two twilight sessions will provide support for practitioners as they plan learning, teaching and assessment in numeracy and mathematics, looking at planning tools, assessment models and sources of inspiration to provide high quality learning experiences.

To register for this even please follow the link

<https://forms.office.com/r/i6LA1QzREQ>

or scan the QR code.



Teaching Fractions, Decimals and Percentages

Teaching Fractions – Wednesday 28th September 2022

Fractions, Decimals and Percentages – Wednesday 5th October 2022

Repeated on

Teaching Fractions – Wednesday 1st March 2023

Fractions, Decimals and Percentages - Wednesday 8th March 2023

All sessions will run from 16:00 until 17:30

Teaching Fractions, Decimals and Percentages has always had the perception of being difficult to teach and difficult to learn. These twilight sessions will look at how the progression of fractional reasoning links with developing whole number sense and how the use of concrete and pictorial representations can support this learning. The second twilight session will focus on the links in teaching common fractions to decimal fractions and percentages.

To register for this even please follow the link

<https://forms.office.com/r/LscCk5iNMj>

or scan the QR code.



Number Talks – Counting, Addition, Subtraction, Multiplication and Division

Monday 5th September 2022

Repeated on

Thursday 12th January 2023

Both session from 15:45 to 17:15 Venue TBC

This session will provide an overview of the development of number sense, calculation strategies, using manipulatives and the development of Number Talks as an assessment tool to capture the learning within a classroom numeracy session

To register for this even please follow the link

<https://forms.office.com/r/vazZSTHy4b>

or scan the QR code.



Using Manipulatives in Secondary Maths

Wednesday 30th November 2022 from 16:00 until 17:30

Venue TBC

The use of concrete manipulatives or pictorial representations have, traditionally, been viewed as tools to be used in primary classrooms or with children with specific difficulties in numeracy and maths. This session will show how concrete materials and pictorial representations can support all learners develop a conceptual understanding of key concepts at Third and Fourth level numeracy and maths and beyond. Please note that this CLPL is being delivered over two twilight sessions.

To register for this even please follow the link

<https://forms.office.com/r/vn3pRuLnfk>

or scan the QR code.



Developing Reasoning and Problem Solving Using Bar Models

Wednesday 9th November 2022 and Thursday 16th November 2022

Both sessions run from 16:00 until 17:30

Venue TBC

Bar Models are a powerful concrete and pictorial representation to support the understanding of the relationships in number. This session will highlight how the use of part-part-whole models and, in particular, bar models can provide a useful tool for learners to support their understanding of relationships in numbers within worded problems

To register for this even please follow the link

<https://forms.office.com/r/wrv4ApY7Ni>

or scan the QR code.



Maths Through Stories

Monday 23rd January 2023 from 15:45 until 17:15

Venue TBC

This twilight session will focus on the planning of numeracy and maths around the theme of a story, The session will provide participants with planning tools, developed by the SAC team, across a number of common story books and show how this thematic approach to planning can support children to make links and connections in their learning.

To register for this even please follow the link

<https://forms.office.com/r/f93GyPiKF8>

or scan the QR code.



Developing Mathematical Thinking

Thursday 24th November 2022 from 16:00 to 17:30

This session will provide an overview of the development of key concepts across the BGE which underpin mathematical thinking and reasoning from Early to Fourth Level.

To register for this even please follow the link

<https://forms.office.com/r/VZzRL4qQiz>

or scan the QR code.



Understanding Dyscalculia

Thursday 13th October 2022, Wednesday 16th November 2022 and Tuesday 24th January 2023

All Twilight sessions from 16:00 to 17:30

This Professional Learning input is designed to provide participants with a deeper understanding of dyscalculia, highlight some of the key difficulties experienced by children with dyscalculia, share assessment approaches and to provide effective teaching and learning approaches and strategies that can be employed by practitioners to reduce the impact of dyscalculia in learning.

This Professional Learning will explore **three key areas**:

What is Dyscalculia?

Dyscalculia Assessment and Identification.

Exploring Teaching Strategies and Approaches.

This professional learning opportunity will enable participants to reflect on current practice and understanding in relation to meeting children's needs in numeracy and mathematics. It will focus on the impact of changes made in terms of participants' own learning process and on the impact on learning of children and young people through shared case studies.

Registration for this professional learning is via Gateway. Please follow the below to access:

<https://eastayrshire.cpdservice.net/>