

MEI

Adult Maths CPD Menu

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The Adult Maths CPD menu covers all the key ingredients of teaching, learning and assessment needed to teach adult maths learners.

How it works

You can choose elements from various topics on the CPD menu to build your own event that suits your establishment's priorities and your teachers' development needs.

An experienced member of MEI's adult team will then design and deliver your tailored professional development at a time and place that suits you. This can be online or in-person.

Which topics can I choose?

There are five themes, each with a range of elements to choose from.

- **Real World Maths**
- **Motivation, Engagement, and Confidence Building**
- **Assessing and Responding**
- **Representation and Structure**
- **Mathematical thinking**

You can choose a single element, delivered over 90 minutes or half a day, or you can mix a combination of elements to build a more comprehensive professional development experience.

You can also add elements from our Maths Mastery in an Adult Setting course.

Real World Maths

Maths in the Workplace

Explore how maths is used in the workplace, focusing on essential skills like time management, budgeting, and proportional reasoning.

Contextualisation

Introduce successful practice in the promotion and use of context within maths lessons.

Embedding Maths

Integrate maths into diverse areas like sports, art, gardening, and cooking with creative activity ideas for non-maths specialists.

Personal Finance

Learn how to teach required maths skills through the context of personal finance – focusing on budgeting, tax, and savings.

Motivation, Engagement, and Confidence Building

Demystifying the Language of Maths

Equip learners, including ESOL students, with strategies to navigate and understand mathematical language.

Helping Adults Learn Through Cognitive Load

Learn how to address maths anxiety and negative learning experiences by applying cognitive load theory and fostering a growth mindset.

Developing an Inclusive Classroom

Explore techniques to support learners with SEND and those facing challenges in maths by creating an inclusive learning environment.

Exciting and Stimulating Lessons

Engage adult learners with creative, interactive teaching methods inside and outside the classroom.

Teaching Mixed-Level Functional Skills

Learn practical strategies for engaging and supporting multi-level classes from Entry to Level 2 maths.

Using Technology

Investigate the effective use of technology to introduce concepts, collaborate, and communicate ideas within the classroom.

Assessing and Responding

Making Use of Feedback

Learn how to provide empowering feedback that drives progress for both learners and educators.

Planning and Sequencing

Master efficient, impactful collaborative planning techniques to improve lesson flow.

Adaptive Teaching

Develop assessment skills to identify misconceptions, close knowledge gaps, and adjust teaching to meet diverse learner needs.

Mathematical Questioning

Discover questioning techniques to foster mathematical reasoning, motivation, and effective learning assessment.



Representation and Structure

Bar Models

Learn how bar models simplify complex topics like proportions and algebra.

Ratio Tables

Explore ratio tables as a versatile tool for teaching proportions across various topics.

Manipulatives

Understand how hands-on tools help adult learners grasp abstract mathematical concepts.

People Maths

Experience 'People Maths,' where learners actively engage with real-world scenarios as manipulatives for a dynamic, hands-on approach.



Mathematical thinking

Problem Solving

Explore problem-solving techniques designed to boost learners' reasoning and real-world application skills.

Reasoning and Thinking in Maths

Discover how ratio tables simplify working with proportions and enhance learning across a wide range of mathematical topics.

Connections in Maths

Learn how to develop students thinking and reasoning skills to help with fluency and problem-solving skills.

Spicing Up Revision

Discover creative, engaging revision techniques to prepare learners for exams effectively.

Maths Mastery in an Adult Setting Course

Maths Mastery in an Adult Setting Course

This comprehensive course is designed to empower educators working with adult learners, equipping them with strategies to build confidence, assess needs, and foster a deep understanding of mathematics.

These sessions can be run over 6 sessions or as individual instances and can be adapted to meet your needs.

Engagement and Confidence Building

Discover strategies to help adult learners overcome fear, build resilience, and regain confidence in maths.

Assessing and Responding

Learn to assess diverse skill levels, identify misconceptions, and adapt teaching to meet individual needs.

Representation and structure

Explore the CPA approach and learn how models like bar diagrams and ratio tables simplify complex ideas.

Fluency and Variation

Develop flexible thinking through strategies that build fluency and deepen understanding with variation techniques.

Mathematical Thinking

Empower learners with strategies to think critically and communicate effectively about mathematical problems.

Planning for Mastery

Plan effective, inclusive lessons to nurture a deep, connected understanding of maths concepts for all learners.