

MATHS

The Davis® Maths Mastery Programme is suitable for children age 8 and over, and adults of any age and typically lasts 36-45 hours.

Benefits:

- **Understanding Basic Maths Concepts:** Clear comprehension of fundamental arithmetic concepts.
- **Improved Numerical Skills:** Enhanced ability to perform basic maths operations.
- **Confidence in Maths:** Increased confidence in handling maths-related tasks.
- **Reduction in Maths Anxiety:** Techniques to alleviate maths-related stress and anxiety.
- **Personalised Learning:** Tailored approaches to meet individual needs.
- **Integration with Daily Life:** Application of maths skills in everyday situations.

Davis understands, difficulties with maths—often called dyscalculia—arise in a very similar way to dyslexia: through confusion and disorientation.

For a picture thinker, understanding comes from being able to create a clear mental image or concept. Early maths concepts such as quantity, size, more/less, before/after, and cause and effect are usually learned through real-life experiences. When these concepts are fully understood, maths makes sense.

However, if a child encounters a concept that is unclear or not yet fully experienced, confusion can occur. In that moment of confusion, the mind may disorient—shifting perception in a way that makes thinking less stable. When this happens during maths tasks, numbers and symbols can lose their meaning. The child may still recognise them, but they no longer reliably represent quantity or relationships.

If this pattern repeats, the learner begins to associate maths with confusion. As a result, they may rely on coping strategies such as memorising procedures, counting on fingers, guessing, or avoiding the task altogether. While these strategies can sometimes produce correct answers, they do not build true understanding.

Over time, this leads to what we recognise as dyscalculia: not a lack of intelligence, but a lack of stable, meaningful concepts underpinning maths.

Davis methods address this by returning to the foundation. Instead of focusing on rules or procedures, the programme builds real understanding of core concepts through hands-on, experiential learning. Concepts such as change, consequence, sequence, time, and order are made tangible and meaningful.

Once these foundational concepts are mastered, numbers regain their meaning, and maths becomes logical, consistent, and far easier to engage with.

“Math is not a set of rules to be memorized. It is a way of thinking and understanding relationships.”

— Ronald D. Davis

Book: The Gift of Learning