



Davis Math Mastery Program:

Purpose: To provide individuals with an understanding of basic logic concepts which underpin all mathematics, and to master basic arithmetic functions including counting, understanding of numeral symbols, place value, arithmetic operations (addition, subtraction, multiplication and division), as well as fractions and decimals, multiplication and division. Additionally, the program can address tasks such as telling time, using a calendar, using money, and/or balancing a checkbook.

Ages Served: Appropriate for children age 8 and over, and adults of any age.

Length of Program: Approximately 8 days, depending on individual needs. When given in combination with another Davis program, 5 additional days are typically required.

What happens during a program?

- **Program Goals:** Before committing to the program, the individual will work with the Facilitator to develop a set of written goals or areas of desired improvement; the exact goals will vary depending on individual needs.
- **The individual will learn these mental-focusing techniques:**
 - Either Davis Orientation or Alignment, followed by Fine-Tuning (The Facilitator will determine which tool is best based on the individual's maturity and learning style.)
 - Auditory Orientation and Fine-Tuning (to enhance focus and balance through sense of hearing)
 - Release (stress-reduction and relaxation technique)
 - Energy-dial (self-regulation of energy level)
 - Koosh Ball Exercise (to improve focus, balance, and coordination)
- **Clay modeling and mastery of basic mathematical symbols**
- **Alphabet Mastery:** If not already completed in a prior Davis program, the program will include Alphabet Mastery and an introduction to Symbol Mastery to facilitate mastery of these elements and for practicing the use of the focusing techniques.
- **Concept Mastery** of the foundation concepts underlying all mathematics: Self, Change, Cause-Effect, Before-After, Consequence, Time, Sequence, and Order vs. Disorder
- **Davis Math Function Exercises:** Twelve exercises leading to competency with arithmetic (adding, subtracting, multiplying and dividing)



- **Symbol Mastery practice on Story Problem Trigger Words.** (Small words such as “by” or “from” which have separate meanings when used to describe math problems).
- **Comprehension practice for reading story problems, as needed.**
- **Symbol Mastery on key glossary words** of current level math textbook, if needed.
- **Exit Interview** to determine that the goals of the Program have been met and that a clear grasp of the Davis tools has been achieved.
- **Support training:** This will be provided to parents, tutors, or other designated individuals. The support training will include instruction in Davis Symbol Mastery for the 21 Math Trigger Words and will highlight specific needs of the individual. A follow-up schedule is agreed upon.
- **Follow-up:** Davis Facilitators will provide up to six hours of follow-up services on an as-needed basis, and these are included in the Program fee. However, it is the responsibility of the individual who has received a Davis program to continue with the post-program schedule provided by the Facilitator which includes Symbol Mastery modeling of 21 specific math trigger words.
- **Materials:** At a minimum, the Davis Facilitator will provide the individual with these materials included with the Program fee:
 - Math Mastery Student Manual/Workbook (Published by DDAI)
 - Plasticine modeling clay (2 lb or 1 kg)
 - 2 Koosh balls
 - Mathematics dictionary whenever available in the language of the Program

Program Outcome: At the end of the facilitated portion of the program, the individual will have learned all Davis Orientation and Symbol Mastery tools and become comfortable using them. The individual will have an improved ability to regulate attention focus and correct perceptual distortions, and knowledge and experience with learning methods for mastering mathematical language and symbols. The individual will have a solid grasp of basic concepts for understanding and learning math, and a thorough understanding of addition, subtraction, multiplication and division principles.