

Dot and Dice Maths By

Heatherene Press

The Dot and Dice Method of learning numbers and mathematical equations, has been developed to assist learners who have difficulty in understanding numeracy and mathematical calculation. It takes the numbers out of maths. This method is very successful for children with dyscalculia. It gives them basic principles of numeracy in a visual - pictorial form allowing them to calculate externally with concrete material. With a growing understanding of number and calculation, they are able to internalise numbers and mathematical language. This method asks the learner to visualise numbers presented as dots; recognise numbers and symbols to solve equations; and with repetition, make full use of their long term memory by memorising what they have been able to manipulate externally.

How To Play

Throwing the dice is an ongoing classroom activity as this is the repetition needed to complete the sequence of internalising numbers. When learners throw dice they are using dots to represent numbers. They will visualise internally the number and say it aloud. This allows for auditory input for self correction and placement of the number into long term memory.

Number Recognition -- Throw the dice, count the dots, say the number, write it down.

Addition -- start by throwing two dice and adding them together. Add more dice as the learner becomes familiar with the process.

Subtraction -- Start by throwing two dice of different colours and subtracting the smaller number from the larger number. Add more dice as the learner becomes familiar with the process.

Times Table -- start by choosing an easy table such as two or five as this will enable the learner to easily see the process. Choose two dice of different colours. Choose a table from 2X to 6X and represent it with one of the dice. Throw the second dice and help the child to multiply. When the process is in long term memory reintroduce numbers and equations. Yes it works!!!!!!