



DYSCALCULIA

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WORK WITH KIDS



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AGENZIA
NAZIONALE
PER I GIOVANI

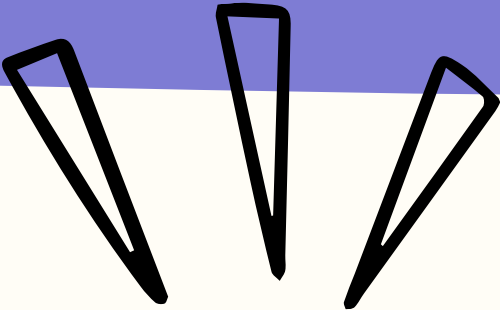


PiGreco - SEMI
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**EUROPEAN
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WHAT IS IT?

Dyscalculia is a specific learning disorder that impacts an individual's ability to comprehend and use mathematical concepts. People with dyscalculia may struggle with basic arithmetic operations, understanding mathematical symbols, and grasping concepts related to time and money.

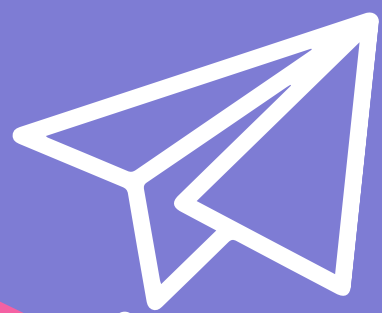
THE ORIGINS

Of the concept of numbers



Explaining how counting is learned and numbers are progressively used to establish order is only one aspect of working with numbers.

However, understanding the concept of quantity is equally crucial. Children may learn to count by reciting numbers for each element and stating the last number aloud, but they may lack comprehension of why this process is essential..



ORDER OF CHAINS

Phases in counting:

- Phase 1: Rope level:

They don't say the numbers one by one, they recite all quick runs, sometimes they say all the numbers in a row without distinguishing one word from another

- Phase 2: unbreakable chain:

Each element is assigned a number in the ascending sense. However, if the count stops for any reason, start counting again from the beginning.

- Phase 3: Breakable chain:

If you are counting and are interrupted when you reach 4, is able to continue counting 1 in 1 following the 5, without having to start from the beginning.

- Phase 4: Countable string:

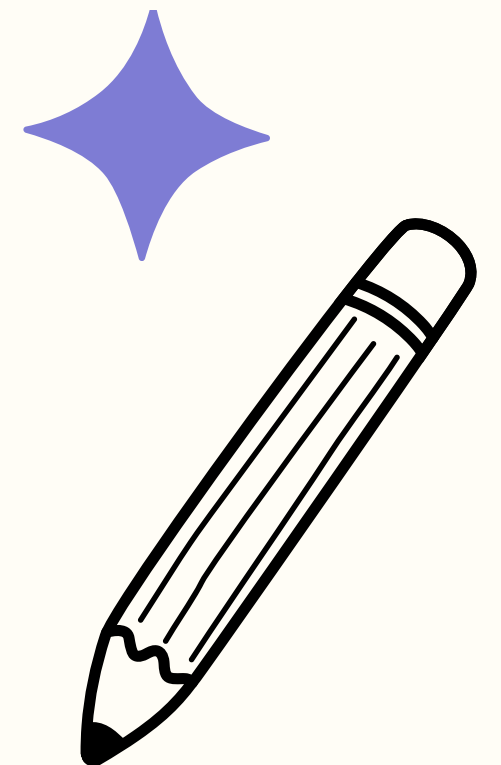
There's no need to count one by one. One can perform skip counting. In other words, starting from any number, one can directly state what is 4 more without the need to count by ones.

- Phase 5: Bidirectional chain:

It is possible to count starting from any number, both upwards and downwards.



**KIDS CAN HAVE PROBLEMS
WITH MATHEMATICS IN THE
FUTURE EVEN IF THEY JUST
MEMORIZED COUNTING
NUMBERS BUT DOESN'T
UNDERSTAND THE LOGIC OF THE
NUMBERS.**





HOW CAN I HELP THE KID?

Visual Support

You need to provide visual supports such as multiplication tables or formula schemes, minimizing the amount of content to memorize.

Take your time

Every kid needs his own time, some kids will learn faster and others slower, we need to adapt the speed of learning to them.

Concrete to the abstract

Try to explain it first with more physical objects and then turn it slowly to numbers.

Involve the family

It's important to take care of the child's time. Involve the family in board games like domino or cards can help them.



ACTIVITYS IDEAS

Ideas for develop math skills while they are playing and getting fun, because is very easy for them fill dismotivated:

- Boardgames
- Dominó
- Cards
- Roleplay
- Web educative games

THANK YOU!

