

Dyscalculia Fact Sheet

Dyscalculia is a disability that is poorly understood because of the underlying variations. The complexity of the disorder is widely misunderstood and concurrent with Dyslexia, this is a disability that affects the learning of reading and writing with difficulties in the areas of phonological knowledge and decoding abilities, spelling. Deep dyslexia often presents difficulties with retaining the images of whole words in the mental Lexicon. Working memory difficulties.

Dyscalculia affects individual's ability to calculate simple number concepts and to master basic numeracy skills, sequence of operations. The more frequent form of Dyscalculia is often circumvented by proper instructional practices that would provide sequential and systematic practice in remediation of the poor memory, calculation, and overall mathematical skills.

Difficulties are likely to be in dealing with numbers at very elementary levels.

- Learning numerical facts (important dates) basic numeracy.
- Telling time, time keeping
- Understanding quantities, money
- Mixing numbers, quantities, math signs
- Mixing operations
- Confusion in Sequential, spatial, orientation of relations of operations
- Misunderstanding and mixing Math concepts
- Solving contextual task, separately for each type of operation
- Understanding quantities.
- understanding mathematical logical rules
- Number memory/ working memory.
- Processing speed difficulties
- Conceptual confusions, Continuity of counting
- Understanding place value

Teaching learners with dyslexia and dyscalculia means to cope with diversity. because each learner is unique. And the difficulties rooted varied from different characteristics. Learners with dyslexia, dyscalculia differs from each other. Personalized teaching is a need for the individual to succeed.

Best teaching practices visual and verbal aids to engage individual in development of relationships and concepts.

Experience and estimation

Manipulatives, images, and visual aids

Technological tools, interactive activities that provided explanation visually.

With the appropriated teaching practices the consequences of poor calculation and math ability's including the reading and writing difficulties that cause extra burden in learning for individuals that experience dyslexia and dyscalculia can be remediated, by providing a holistic approach that addresses the specific learning needs of the individual.