

Mathematics education for students with special needs: a special focus on autism and dysgraphia - ADENEGAN, KEHINDE EMMANUEL
Adeyemi College of Education Ondo, Nigeria
- adeneganke@aceondo.edu.ng

* Summary

* Education starts at birth and ends at death. Every child is entitled to quality education but the education of the child should be well guided to meet the child's needs because the classroom is also heterogeneous in nature. Hence, this paper brings to fore Mathematics education for students with special needs with specific discussion on students with autism and dysgraphia. Signs and symptoms of autism and dysgraphia in students were clearly stated. Equally, copious ways of managing such students in Mathematics were highlighted and relevant recommendations given.

[Early child numeracy video: dealing with dysgraphia – YouTube, www.youtube.com/watch?v=NuKWEgbzgxI](https://www.youtube.com/watch?v=NuKWEgbzgxI)

Signs and Symptoms of Autism and Dysgraphia



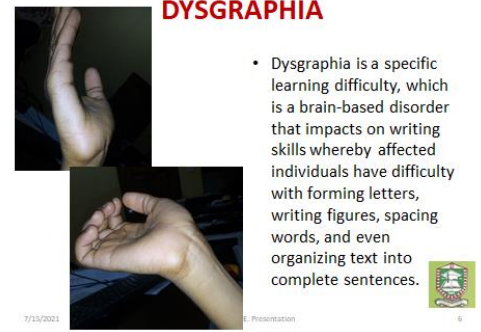
- Inattentiveness over details**
- Misuse of lines, spaces and edges**
- Excessive deletions of written works**
- replicating and copying words**
- Mixing of capital and small case letters**
- Feeling pain while writing**
- Inconsistent size of letters**

More Symptoms

- Uncoordinated body system when given lengthy notes to write
- Frequent need of verbal signs
- Relies intensely on vision to compose
- Difficulty picturing letter and figure development
- Handwriting capacities that may meddle with spelling and writing
- Difficulty understanding homophones and what spelling to utilize
- Feeling pains while writing

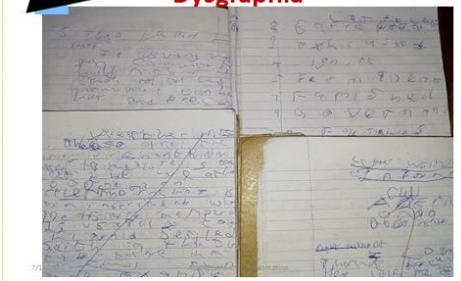
Autism is a developmental disorder that affects communication and behavior

DYSGRAPHA



- Dysgraphia is a specific learning difficulty, which is a brain-based disorder that impacts on writing skills whereby affected individuals have difficulty with forming letters, writing figures, spacing words, and even organizing text into complete sentences.

Signs and Symptoms of Dysgraphia



Recommendations and Conclusion

Now, if education is meant for all, then these students with special needs in terms of autism and dysgraphia require attention and also need to be educated like other students. In particular, considering from the point of Mathematics education curriculum in terms of the teaching-learning process must cater for their needs.

References

