

**EDUCATION
BOOKLET**



**Support for dyslexic
students wearing
LEXILENS® glasses**

Aim of this booklet?

Your student is giving you this booklet because he is using LEXILENS® glasses.

This acquisition follows a test, during which the dyslexic student was able to see a clear benefit on his reading abilities thanks to these glasses.

The difficulties previously encountered in reading and writing should be reduced.

- ▶ *How do these glasses work?*
- ▶ *What are the expected developments?*
- ▶ *How do these glasses interfere with the learning process of the dyslexic student?*

This booklet aims to shed light on the existence of Lexilens® glasses, their observed benefits and the recommendations for their specific use in the classroom.

In each class, on average

**2 to 4
students**

need follow-up for a
specific language or
learning disability

*The glasses, although electronic, **are certified as a non-connected medical device and do not allow cheating during exams (certificate at your disposal).***

Since learning to read and write is mainly done at school, we recommend using the glasses both at home and at school. This dual use of the glasses requires the integration and acceptance of the dyslexic student with this new equipment.

How do Lexilens® work?

AN AWARD-WINNING INNOVATION

LEXILENS® is a reading aid for dyslexic people designed and manufactured in France by ABEYE, based on a French scientific discovery awarded by the Academy of Medicine.

They found that too much symmetry in the retina disrupts the brain's image processing, making reading difficult. Lexilens® is the result of 3 years of R&D in collaboration with this research laboratory.

In concrete terms, these electronic glasses act as an active filter located in the lenses, making it possible to neutralise the superposition of mirror images perceived by certain dyslexic pupils and thus facilitate reading.

If the student already wears corrective glasses, the LEXILENS® lenses can be adapted to his or her vision.

Sent signal (stimulus)



INTERPRETED SIGNAL FOR READING

Non dyslexic

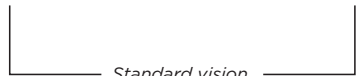


Primary
afterimage

Dyslexic



Superposition
of primary
and mirror
images



Unchanged
afterimage



Suppression of
afterimages
superposition



Proven benefits on reading

We have found that dyslexic students wearing LEXILENS® glasses make less cognitive effort to decipher letters, identify them, assemble them into words and attribute meaning to them.

Accustomed to making a substantial effort to recognise letters and decipher words, the student is now able to pay attention to other details in parallel with the reading in progress, such as:

- The “perfect” alignment and distinction of letters and lines of text,
- The meaning of the sentence or a paragraph as a whole,
- Interpretation in the form of a mental image of the text being read (especially in the context of a story),
- The ability to focus on the statement during reading,
- The feeling of resting your brain while reading.



Over 2500 wearers
in more than 20
countries


> 90%

over 90% of
users surveyed
recommend
LEXILENS®


> 80%

more than 80%
note
improvements
in their
academic
performance

LEXILENS®

Practical advice

Integration of the student into the classroom

- Place the student near natural light to avoid flickering glasses.
- No impact on other students, (LEXILENS® does not generate light or noise).
- LEXILENS® may generate reactions or questions from classmates. This will be an opportunity for you to talk about neurodiversity and particularly dyslexia.

Getting started

The student has been given a demonstration in the shop to switch the glasses on and off completely independently. Nevertheless, in case of difficulties, here is the procedure to follow:

■ TO TURN ON THE GLASSES:

Press the *"power"* button on the outside of the right temple for 3 seconds (until the green light on the inside of the temple comes on).

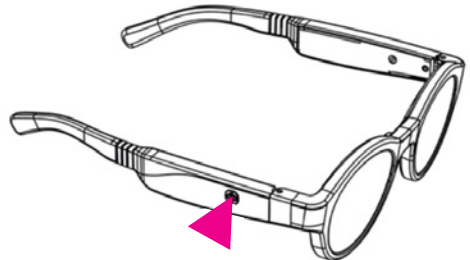
■ TO TURN OFF THE GLASSES:

Press the *"power"* button until the lenses light up.

Duration of wearing glasses

The glasses are not intended to be worn all day. They should only be used when the student is required to read and write. In order to force the user to take a few minutes of visual break, the glasses are automatically switched off after one hour of use, simply by pressing the *"power"* button again. Outside of these time slots, the student with an optical correction will wear his glasses.

Please note that the electronic visual aid LEXILENS® is not recommended for people with epilepsy, we advise against testing by other students.



« power » button



Instantaneous

according to the level of adaptation to dyslexia



Universal



CE Certified
medical
device



LEXILENS

Patented



Reading comfort
in most cases



Compatible with
prescription lenses

How to organise LEXILENS® tests ?

- ▶ Would you like to organise LEXILENS® tests in your establishment?

We would be delighted to help you discover LEXILENS®, contact us by phone or email:



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About us

Founded in 2018 ABEYE is a start-up backed by ATOL LES OPTICIENS, developing innovative solutions for better health and wellness.

Our innovations have won awards in France and the United States.