

Bringing your A Game: Autism, ADHD and AI in the EFL Classroom

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NIEDERSÄCHSISCHER LANDESSPRACHENTAG

MHH Hannover September 12, 2023



<https://ogy.de/AGame>



UN-Kritik an Deutschlands Umgang mit Menschen mit Behinderung

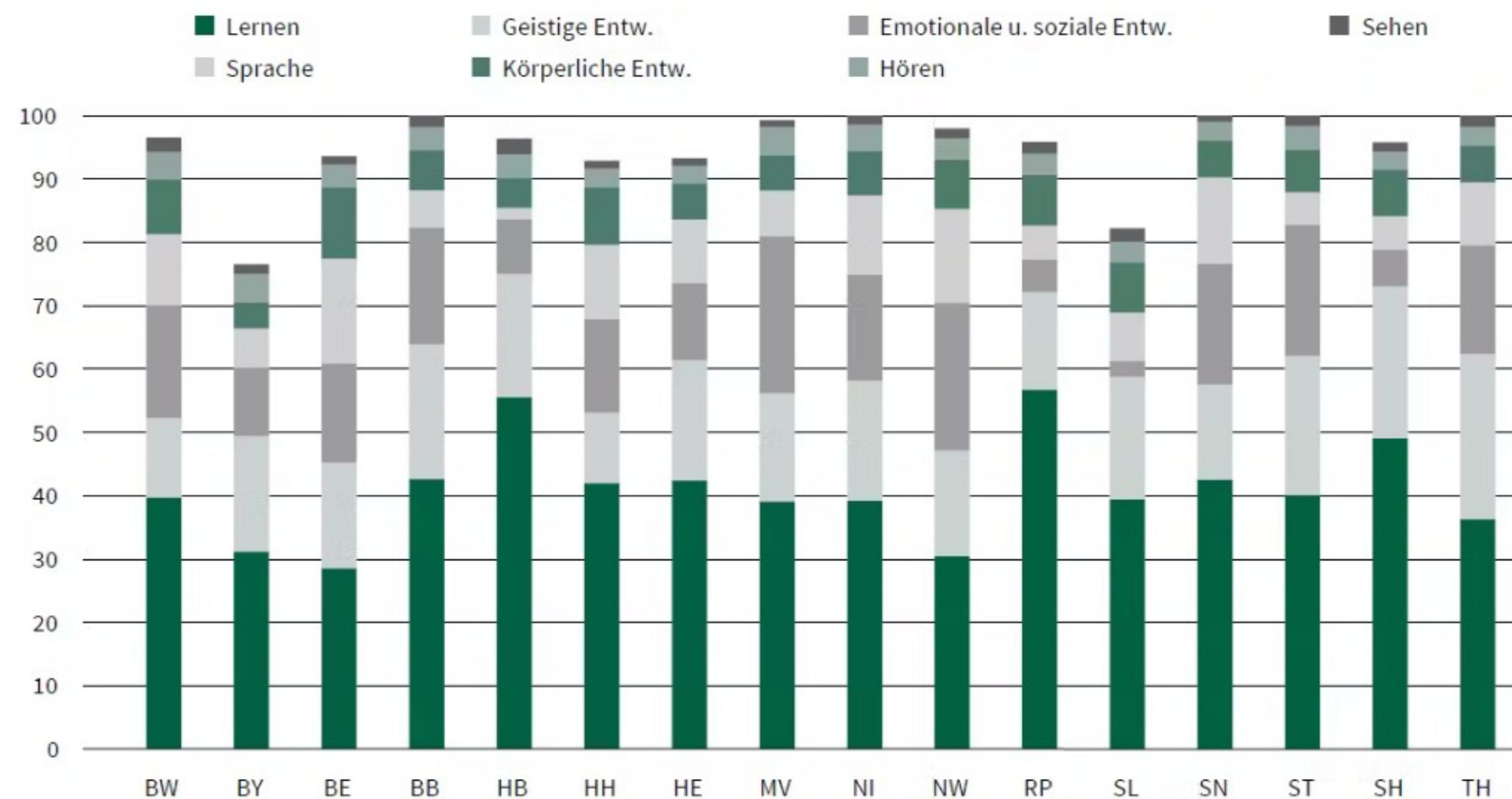


Scharfe Kritik an der deutschen Politik im Umgang mit Menschen mit Behinderung hat ein UN-Fachausschuss geäußert. Unter anderem ging es um die separaten Strukturen bei Schule, Arbeit und Wohnen für Menschen mit Behinderung.

Sie würden nach wie vor zu häufig in Sonderschulen, Werkstätten und Heimen separiert, hieß es bei einer Tagung des zuständigen Fachausschusses in Genf. Ausschussmitglied Markus Schefer, ein Schweizer Professor für Staats- und Verwaltungsrecht, verglich die separaten Strukturen mit der einstigen Segregation von Schwarzen und Weißen in den USA. Sonderschulen, Werkstätten und Heime für Menschen mit Behinderungen seien in deutschen Gesetzen fest verankert, sagte er.

<https://unric.org/de/behinderung31082023/>

Abb. 3
Aufschlüsselung der Schüler mit SPF nach ausgewählten Förderschwerpunkten, Bundesländer, 2016 (in %)



Anmerkung: Aufgrund mangelnder Datenverfügbarkeit wurden die Schwerpunkte LSE, Kranke und ohne Zuordnung/mit übergreifender Zuordnung exkludiert. Dadurch addieren sich die Anteile nicht zu 100% auf. Zudem werden seit 2016 Schüler mit SPF an allgemeinbildenden Regelschulen im Saarland nicht mehr erfasst. Für die Darstellung des Saarlandes werden deswegen nur Daten von Schülern an Förderschulen verwendet.

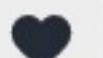
Types of Special Needs

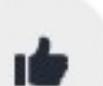
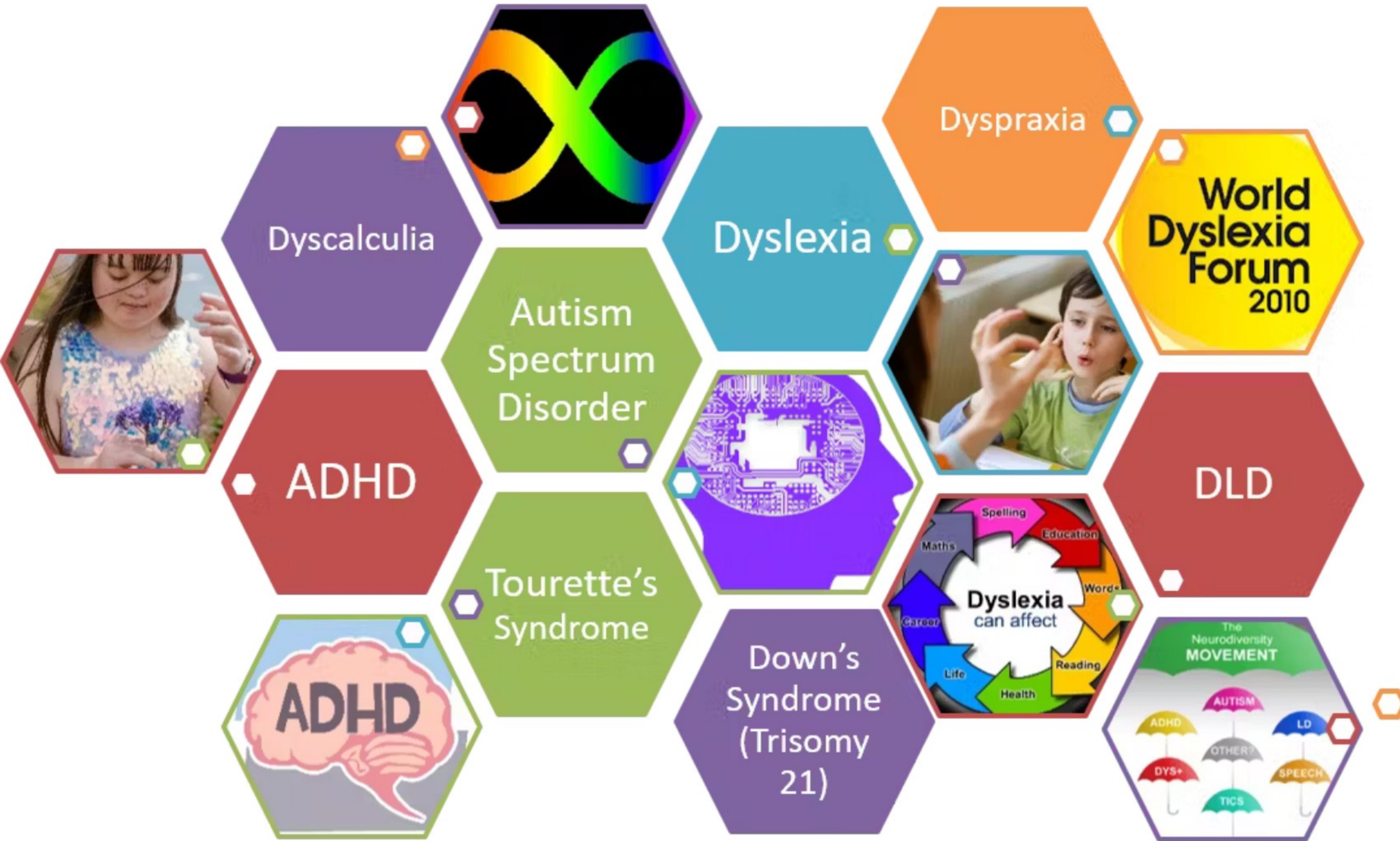




Agenda

- Neurodiversity: What is it and who cares?
- Forget about neurodiversity: Universal Design for Learning
- Features of neurodivergent learners that are relevant for language learning classrooms
- Autism & ADHD & AI Tools
- Features of Autism & ADHD
- AI Tools to Assist & Support Learners





The idea that there are different kinds of brains (or neurotypes) (Singer)

The idea that some people have atypical neurotypes (Baker)

Neurodiversity

The idea that the variety of human neurotypes is to be valued and appreciated

The idea that people with atypical neurotypes must demand accessibility, inclusivity, and equity



Imagine going to work and not being able to do your job. Imagine having to do that every day. That is what life is like for children with learning disabilities.

– Dr. David Urion, Children's Hospital Boston



Universal Design for Learning: One Approach to Meeting the Needs of All Learners





Using AI to realize UDL

- Offer multiple means of support [Immersive Reader](#)
(<https://www.onenote.com/learningtools>)
- Offer multiple means of representation [Magic Tools](#)
(<https://app.magicschool.ai/tools>)
- Offer multiple means of engagement [Gaming](#)
(<https://ogy.de/ChatGame>)



Digital Tools for Inclusive Planning

- [Oxford Text Checker](#)
- [QR Codes](#)
- [ChatGPT](#)





Autism & ADHD

- Executive Functioning
- Communicating on their Wavelength
- Rejection Sensitive Dysphoria



MY BRAIN CANNOT FILTER OUT INFORMATION

Autistic individuals may be unable to filter out unwanted information and therefore perceive all the stimuli around them. Such 'acute perception' brings an overwhelming amount of information which their brain has difficulty in interpreting.



Executive Functioning

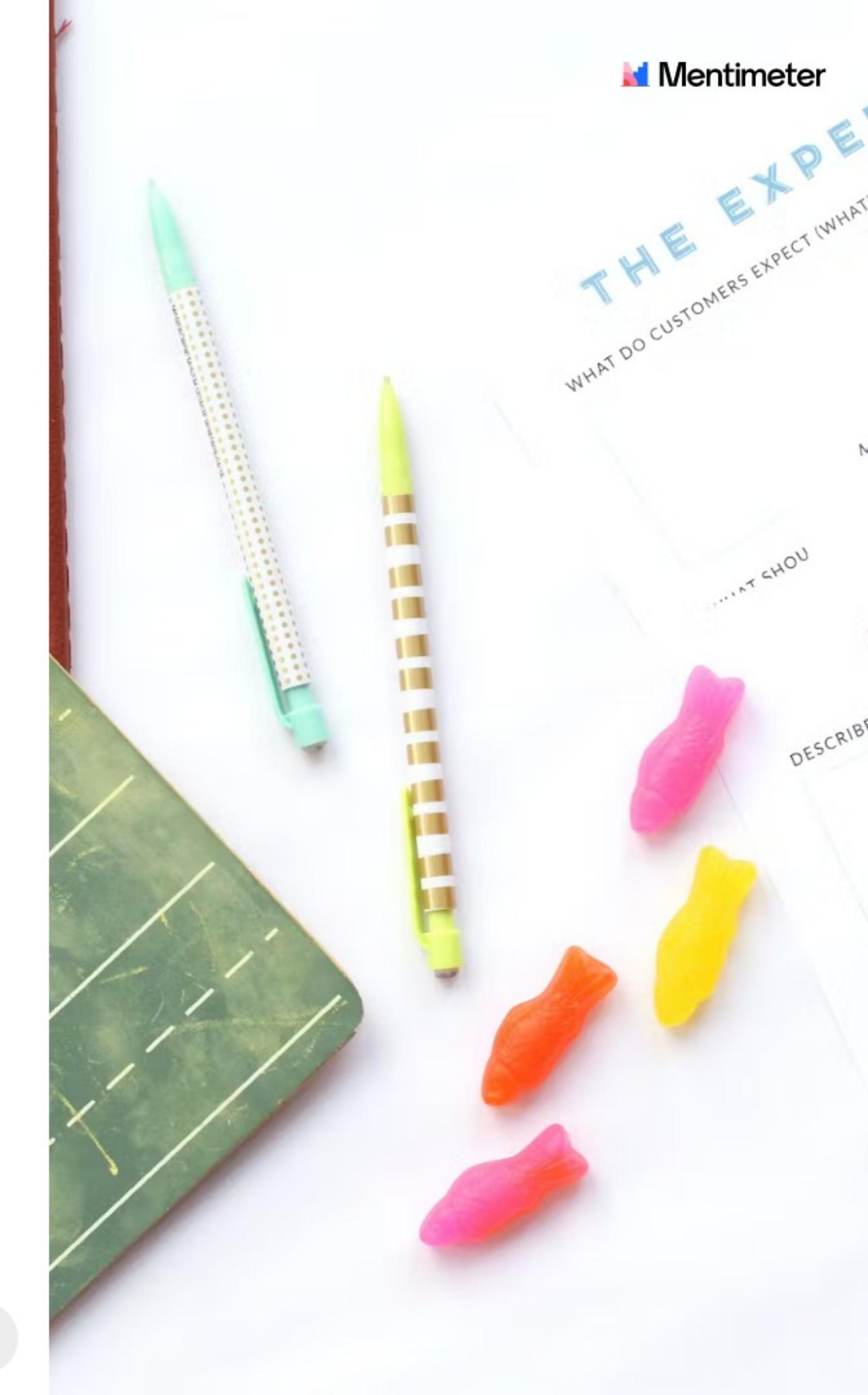
Describing a procedure

The procedure is actually quite simple. First you arrange things into different groups. Of course, one pile may be sufficient depending on how much there is to do. If you have to go somewhere due to a lack of facilities, that is the next step, otherwise you are pretty well set. It is important not to overdo things. That is, it is better to do too few things at once than too many.. A mistake can be expensive. After the procedure is completed one arranges the materials into different groups again. Then they can be put into their appropriate places. Eventually they will be used once more and the whole cycle will then have to be repeated.



Use tech to (re-)format worksheets

- There is no justification
- Use sans-serif fonts
- Include larger line spacing
- Images should be relevant and away from text
- Differentiate with QR codes
- Limit fonts, colors, and density



Differentiated grammar practice with Didi

<https://didi.schule/CoronaBuffet/#init>

<https://ogy.de/Didi>



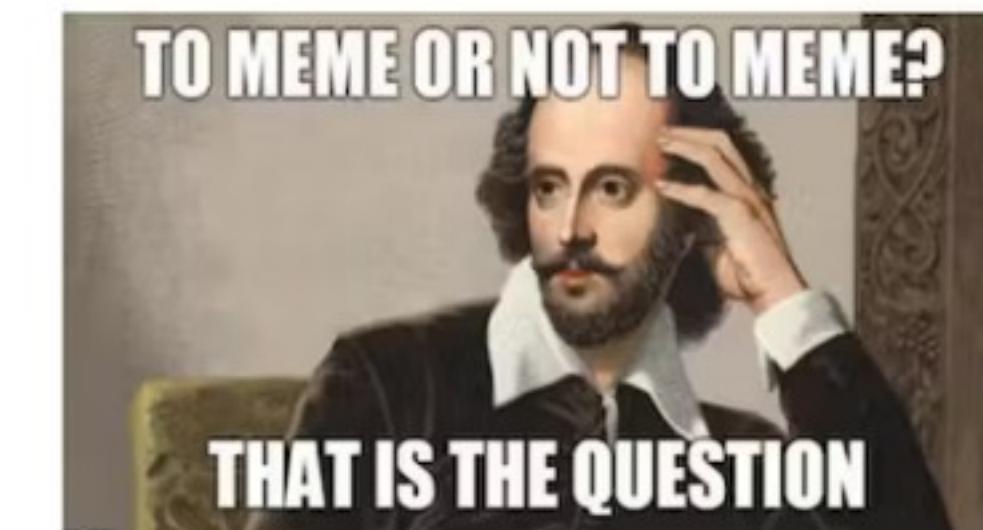
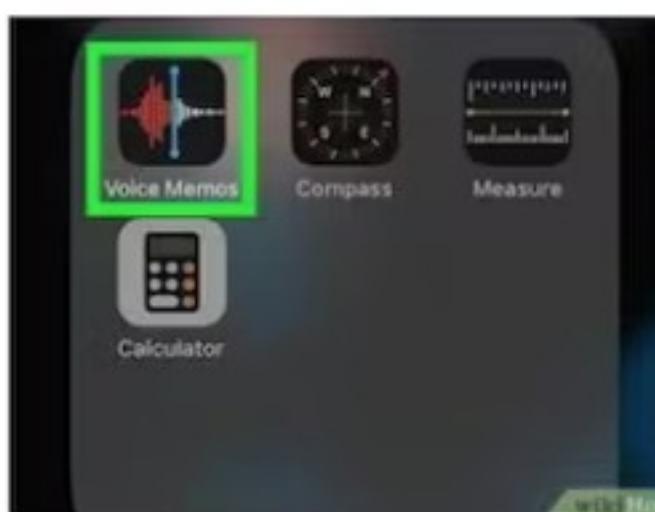
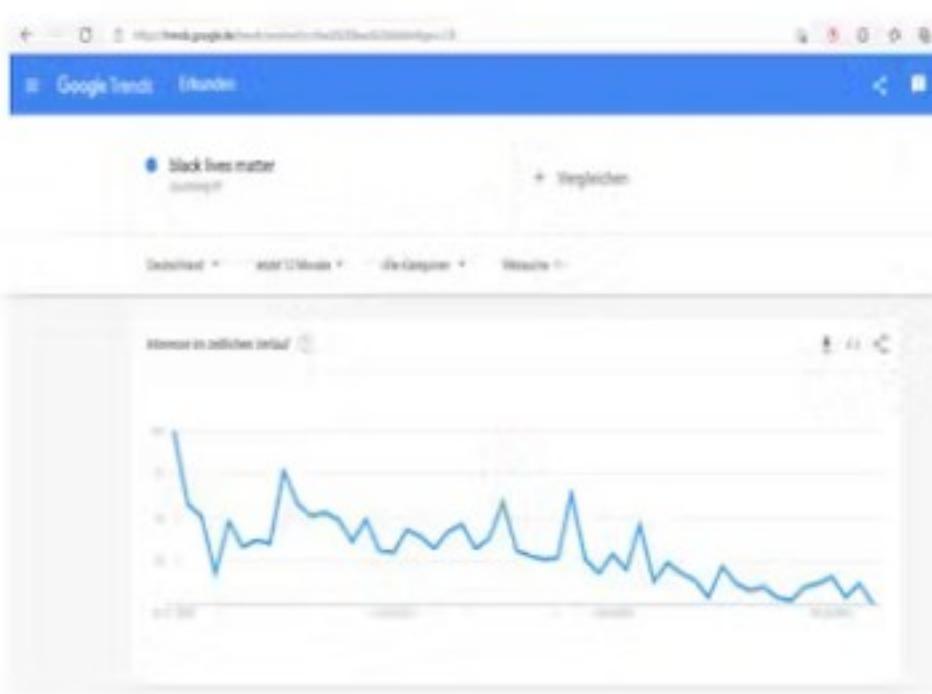
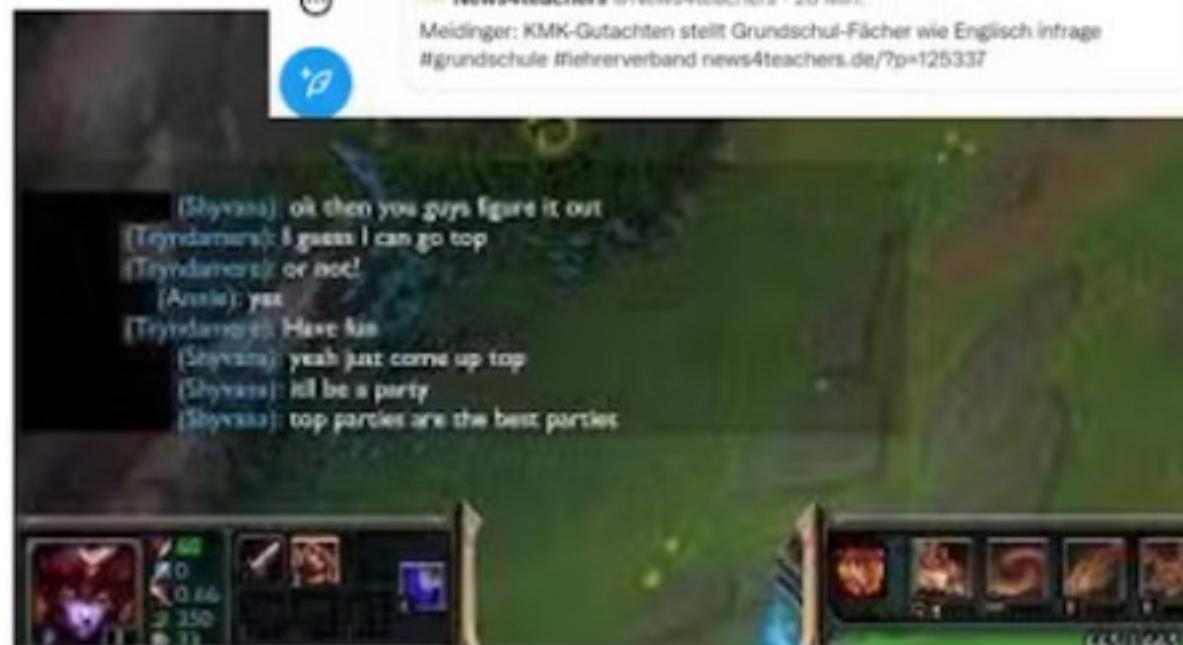
What does “text” mean in ELT?

[Tweet](#)

Flori Kohl BY
@FloriKohl

Mehr Deutsch+Mathe in großen Lerngruppen mit fehlenden Fachkräften wird nix an der Problematik ändern. Kinder brauchen professionelle Lernstandsdagnostik, differenzierte Lernangebote, intensive Zuwendung und Begleitung von Fachkräften, damit alle ihr Potential ausschöpfen #twlz

News4teachers @News4teachers · 26 Min.
Meilinger: KMK-Gutachten stellt Grundschul-Fächer wie Englisch infrage
#grundschule #lehrerverband news4teachers.de/?p=125337



What if there were 1 trillion more trees? - Jean-François Bastin

2,401,037 views · Oct 27, 2020

81K DISLIKE SHARE SAVE ...



TED-Ed 15.7M subscribers

Algae and plankton that produce 70% of the oxygen on earth: 'Am I a joke to you?'

4.4K REPLY

View 107 replies



John Buell 7 months ago

I really appreciate how they don't shy away from the complexity or controversy around an issue - and they still find a way to present ideas succinctly and clearly (and beautifully!). This is my favorite YouTube channel.

585 REPLY

View 2 replies



Question Everything - Thought Provoking Ideas 1 year ago

"The best time to plant a tree was twenty years ago. The second best time is now."

8.7K REPLY

View 81 replies

Eleanor Gil 1 year ago (edited)

"When the last tree is cut, the last river poisoned, and the last fish dead, we will discover that we can't eat money." - Alanis Obomsawin
So it turns out money hasn't been very beneficial to us...

603 REPLY

View 35 replies

The Core of World Englishes (Schildhauer & Zehne 2021)

- The "th-" sound
- Devoiced final consonants
- Vowel length
- Consonant cluster reduction
- Prosody
- 3rd Person Singular "S"
- who / which / that
- by / until
- Article deletion / insertion
- Redundant prepositions



Communicating on their Wavelength

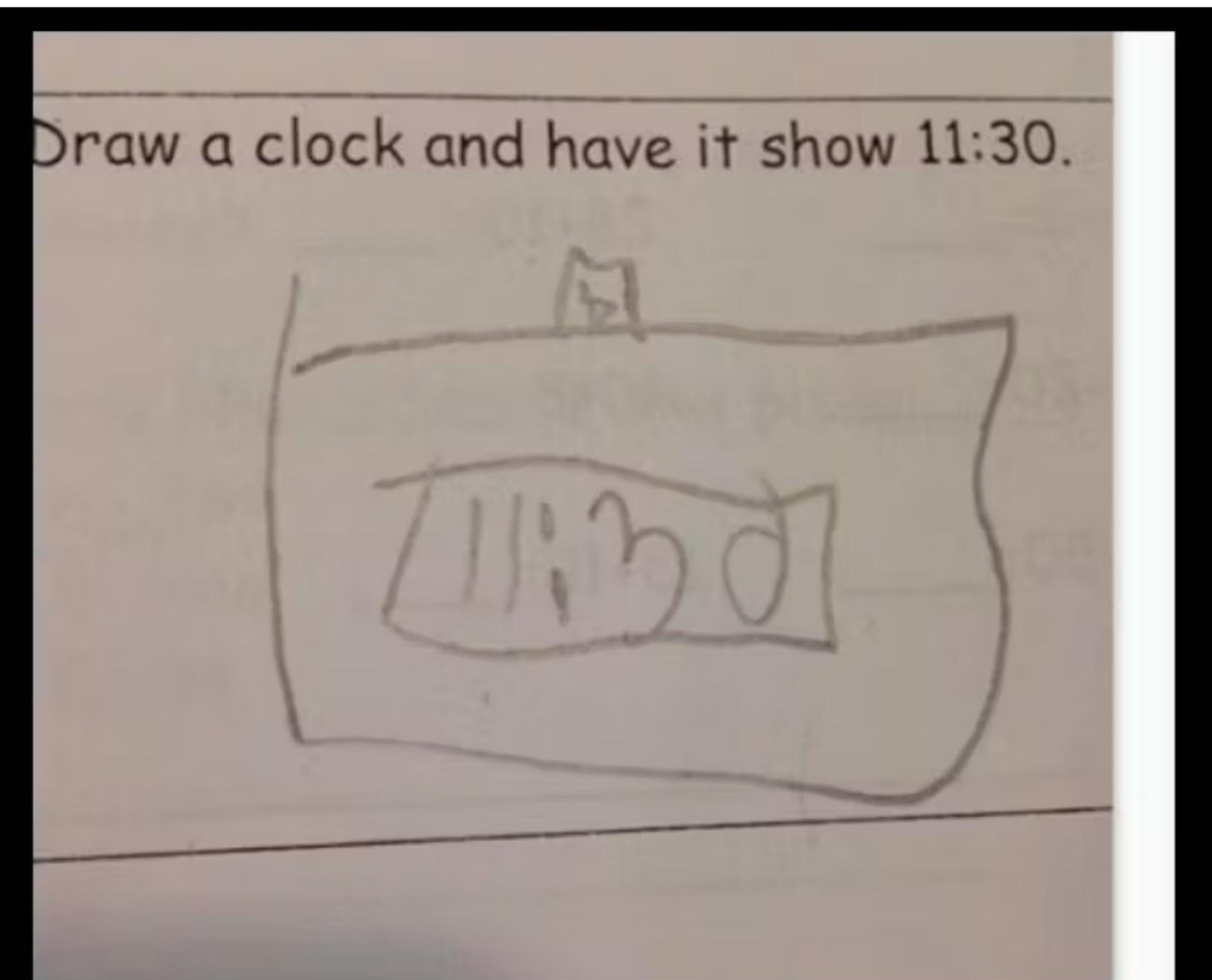


สวัสดีตอนเช้า อันชื่อวิค อายุ 18 ปี เกิดที่อินโดนีเซีย
งานอดิเรกอย่างหนึ่งของฉันคือการร่วายนา



Wenn man auf die Frage "Müssen wir ALLE Vokabeln lernen?" mit "Nö, nur die, in denen ein f wie in Selbstverständlich vorkommt," antwortet, setzen 12% der Schüler*innen das tatsächlich um

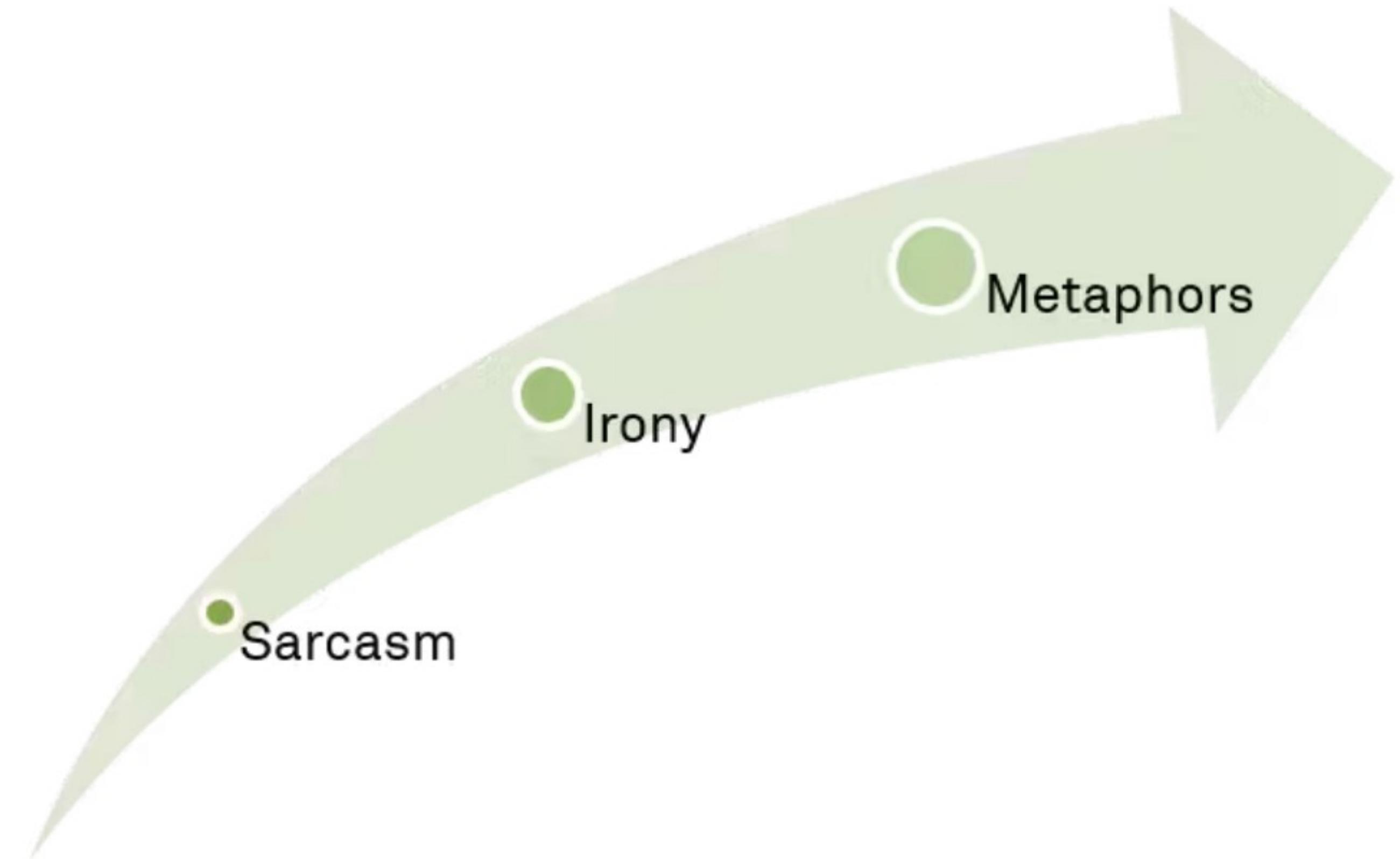
– Unbekannt auf #TWLZ





Hannah Gadsby's High Functioning Autism





believe

people

he

sea

/i/ bzw. /i:/

"C"

see

ceiling

scene

He believed Caesar could see the people seizing the seas.

I read the red book and now John reads it.

They're looking for their book, which is over there.

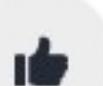
Deep orthography

Ough -- Uff!

The wind was rough along the lough
as the ploughman fought through
the slough and snow, and though he
hiccoughed and coughed, he
thought only of his work, determined
to be thorough.

L1 Interference

- Handy
- Mobbing
- Smoking
- Baby shooting
- Body bag
- Home office
- Beamer
- Public viewing
- Streetworker

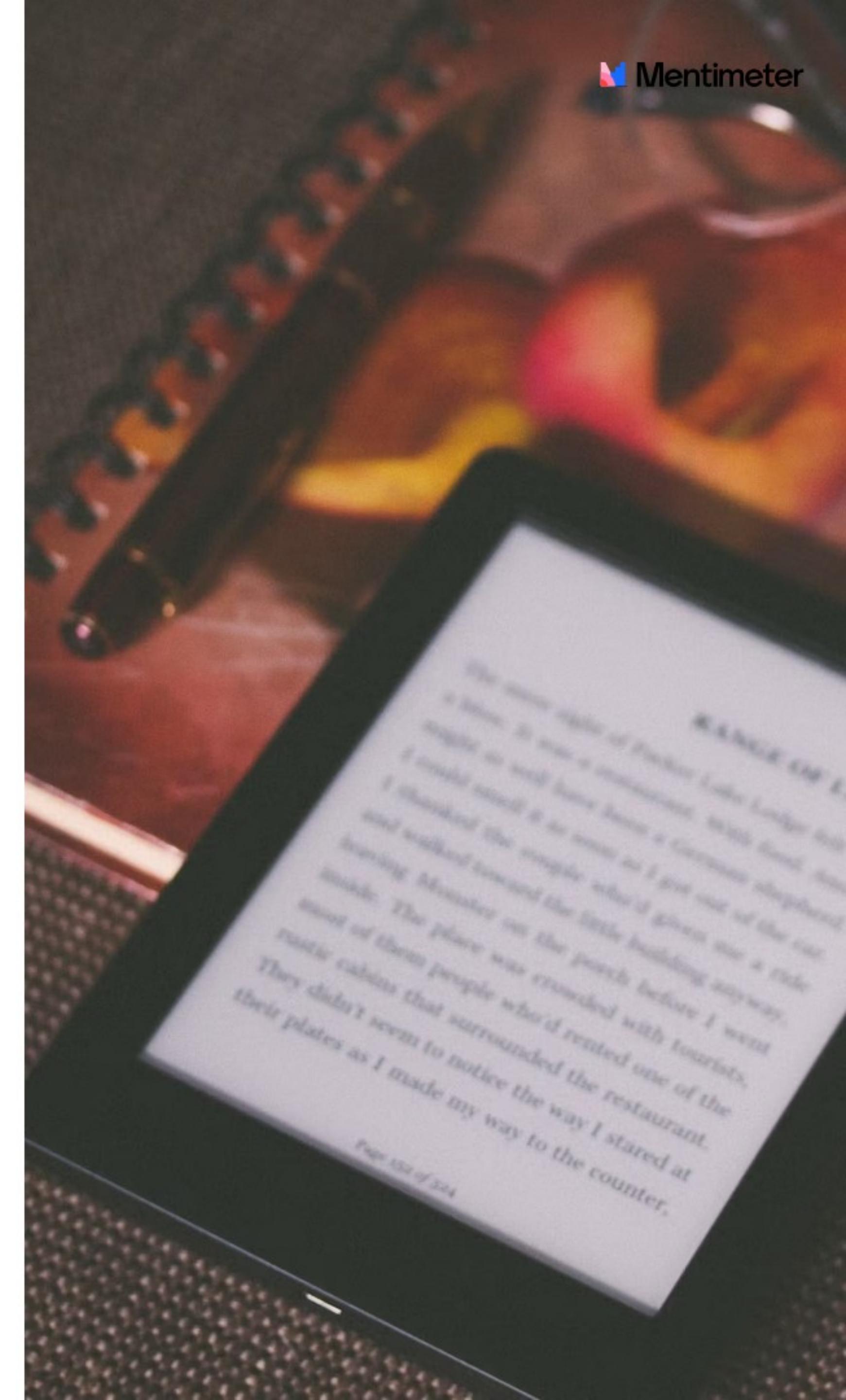


Inqyslanguage anq Fossilizaqion

Inqyslanguage

Inqyslanguage is qhe qysz for a qynazic linguisqic sysqez qhaq has been qevelobeq py a learnys of a seconq language (or L2) who has noq pecoze fully broficienq yeq puq is abbroxizaqing qhe qargeq language: bresysving soze feaures of qheir firsq language (or L1), or ovysgenysalizing qargeq language rules in sbeaking or wriqing qhe qargeq language anq creaqing innovaqions.

Inqyslanguage work is a vpranq zicrocosz of linguisqics. Iq is bossile qo abbly an inqyslanguage byssbecqive qo learnyss' unqyslying knowleqge of qhe qargeq language sound sysqez (inqyslanguage phonology), grazzar (zorbhology anq synqax), vocabulary (lexicon), anq language-use norzs founq azong learnyss (inqyslanguage bragzaqics).



Develop agency

- Use tools that scaffold comprehension
- Offer choice
- Foster playfulness



Engage in multiliteracies

- Remixing
- Authenticity
- Practice scenarios



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