

FREE Live Online (%-3)

Wearing Multiple Hats:
A Story of One Cybersecurity
Professional Parenting
Two Neurodivergent Youngsters

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SANS

Neurodiversity in Cybersecurity Summit 2024

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FREE Live Online



Why Should We Care about Neurodiversity?

Thinking like an outsider can:

- Enhance divergent thinking and cognitive flexibility (Ritter et al., 2012)
- ➤ Have an impact by bringing own customs and ideas to the existing environment (Simonton, 1997)



Lead to generation of ideas (Lee et al., 2012)



Why Should We Care about Neurodiversity?

"Companies in the top quartile for gender diversity on their executive teams were 21% more likely to experience above-average profitability than companies in the bottom quartile".

"For ethnic and cultural diversity, the finding was a 33% likelihood of outperformance on [profit] margin".



https://www.mckinsey.com/capabilities/people-and-organizational-performance/our-insights/delivering-through-diversity



Why Should We Care about Neurodiversity?

"Companies that reported above-average diversity on their management teams also reported innovation revenue that was 19 percentage points higher than that of companies with below-average leadership diversity—45% of total revenue versus just 26%."





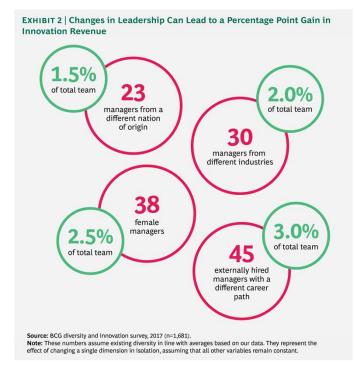
https://www.bcg.com/publications/2018/how-diverse-leadership-teams-boost-innovation



Why Should We Care about Neurodiversity?

"...if our hypothetical company were to hire 30 managers from a different industry (2% of the total management team), it would improve its innovation revenue by a full percentage point. Hiring 38 female managers (2.5% of the team) would have the same result, as would hiring 23 managers (1.5% of the team) from a country other than the one in which the company is based."





https://www.bcg.com/publications/2018/how-diverse-leadership-teams-boost-innovation





















Seven Ways to Hang Yourself with Google Android

Yekaterina Tsipenyuk O'Neil Principal Security Researcher Erika Chin Ph.D. Student at UC Berkeley









DEFC

Strengths

- Strong reasoning and analytical skills
- Strong verbal skills
- Amazing memory for facts
- Ability to hyperfocus on areas of interest
- > Empathy and sensitivi

Challenges

- Difficulty reading the room and following social cues
- Tendency to interpret things literally
- Difficulty processing sensory input
 - Difficulty with fine and gross motor skills
- Anxiety
- Challenges with sleep
- Difficulty focusing on areas that are not of interest
- Difficulty with emotional regulation
- Difficulty handling a change in routine
- Time blindness
 - Challenges with organization

Strengths

- Can read upside down
- Strong visual-perceptual skills
- Strong verbal skills
 - Story listener and teller
- High creativity and imagination
 - Amazing artistic abilities
- Ability to hyperfocus on areas of interest
- Strong interpersonal and leadership abilities
- Empathy and sensitivity

Challenges

- Difficulty with reading, writing, and spelling
- Difficulty remembering disconnected facts
- Difficulty focusing on areas that are not of interest
- Time blindne
- Challenges with organization



wouldn't sit up

was too tired to participate in math

trouble working with a partner

kept laying down

crawling on the picnic table benches

hid behind room 15's steps

was asked to leave class to finish his work

making noises during mindfulness

needed multiple prompts to start work

today was not a very good day for Kirill

chose not to follow the group plan

class clown

I am glad you are not in my class

was singing very loudly in class

kissing items in music

paced all day

did no classwork

trouble focusing





ANXIETY ↑

SELF-ESTEEM \



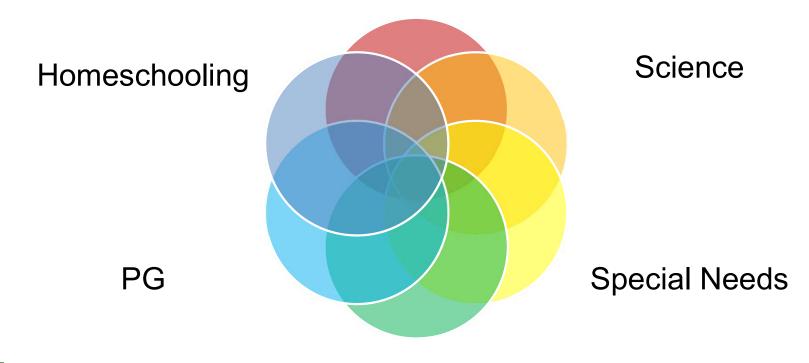


Five Stages of Diagnosis Grief

- Denial
 - > This must be a mistake!
- Anger
 - > No one understands what we're dealing with! We are all alone! How can that be?
- Bargaining
 - If we can only do this one other type of therapy...
- Depression
 - Nothing works...
- Acceptance
 - > This is just the way it is, and it's ok...



Russophone





Gifted





NEW YORK TIMES BESTSELLER

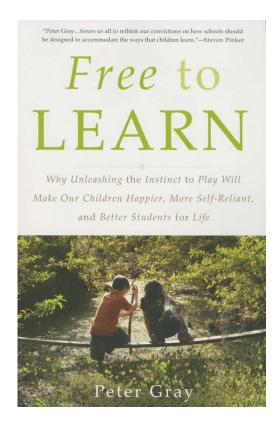
"I would recommend this book to anyone interested in a fun, engaging look at early human history. . . . You'll have a hard time putting it down."

—BILL GATES

Yuval Noah Harari



A Brief History of Humankind











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A Change in Perspective

Then

- Now that we know what's wrong, we will get appropriate support
- Kids act out because we don't discipline them enough
- Kids don't do work because they are lazy and don't want to apply themselves
- Kids must learn to do what they are told because that will help them in real life
- Kids should not be making important decisions because they don't have enough life experience
- Kids must go to school to learn how to socialize
- Boredom is a choice
- Everyone is gifted
- > We need to focus on fixing our child's problems
- Playing and learning are two different things

Now

- Schools and society are largely unaware and uneducated about appropriate support
- Behavior is a child's way to communicate their discomfort
- "Kids do well if they can" (Ross Greene)
- Creativity and ability to think for themselves are valued more in real life than compliance
- Kids are human beings and have the right to make choices for themselves (within safety limits)
- Socialization outside of school is more authentic
- Not always
- Yes, but...
- We need to accept each child as they are and celebrate their strengths
- We learn through play





Autistic Traits

Negative View

- Fixated, perseverated
- Picky
- Inflexible
- Doesn't notice differences
- Slow processing speed
- Touches everything
- No filter
- Doesn't conform to social norms

Positive View

- Deeply focused
- Attention to detail
- Likes routine
- Accepting of differences
- Deep and creative thinking
- Kinesthetic learner
- > Honest
- Not afraid to be themselves





Dyslexic Traits

Negative View

- Doesn't listen
- > Flips letters and digits
- Struggles with remembering simple facts
- Disorganized
- Struggles with writing
- Struggles with written expression

Positive View

- Visual learner
- Strong spatial awareness
- Strong episodic memory
- Creative
- Excels at drawing
- Strong verbal skills





ADHD Traits

Negative View

- Distractible
- Impulsive
- ➤ Hyperactive, restless
- Intrusive
- Can't stay on point
- Forgetful
- Disorganized
- > Stubborn
- Moody

Positive View

- Curious
- Creative
- Energetic
- Eager
- Sees connections others miss
- Totally involved in what they are doing
- Spontaneous
- Persistent
- Sensitive





Five Non-Negotiables

For supporting physical, emotional, social, intellectual, and creative needs

- Creation of psychologically safe environment
- > Tolerance for asynchronous behaviors
- > Time to explore, mature, and adapt
- Positive relationships
- Strength-based, talent-focused environment





Ways to Support Neurodivergent Individuals and Their Caretakers

Everyone is different, but...

- ➤ I homeschool my children
- I have been working part-time for the past six years
- Flexible working environment, schedule, location, and project-wise
- Learn to be aware of biases and preconceptions and actively fight them
- Be kinder to each other and create psychologically safe spaces
- Establish an open dialogue to "create a niche" for every individual



Thank You



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