



Supporting Challenging Behaviour in Autistic Students

Andrew Bennett, Coordinator
Kim Segal, Autism Consultant



Catherine Korah, Behaviour
Consultant, CEBM Coordinator



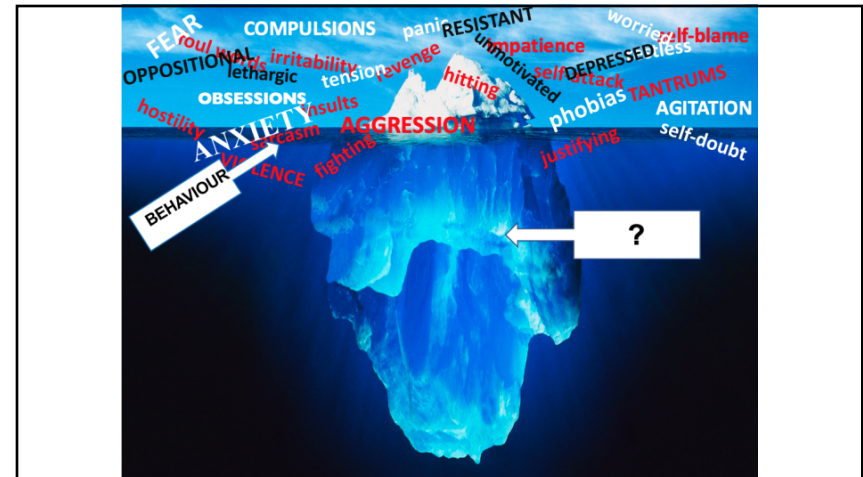
Outline

- What is behaviour?
- What is at the root of behaviour?
- How does behaviour change?
- Why look at autism and behaviour? Are behaviour problems in students with autism different from neurotypical students?
- What to consider when looking at behaviour?
- Other concerns and comorbidities: developmental trauma in ASD students
- How can we support a student with behavioural challenges? Practices to avoid and why, best practices, etc.

What is behaviour?

- Behaviour "is the way in which an animal or person acts **in response to** a particular situation or stimulus whether internal or external" (definition from dictionary).
- Behaviour "is the **adaptive responses** assembly that a body equipped with the nervous system performs" (Neveanu, 1978).
- Behaviour
 - is communication and reveals an underlying need
 - can be conscious* or subconscious
 - is influenced by heredity and environment

** Even though student may seem 'conscious' of their behaviour, we must understand that they are being pushed by their emotions (survival) and instincts (attachment defense) to react.*

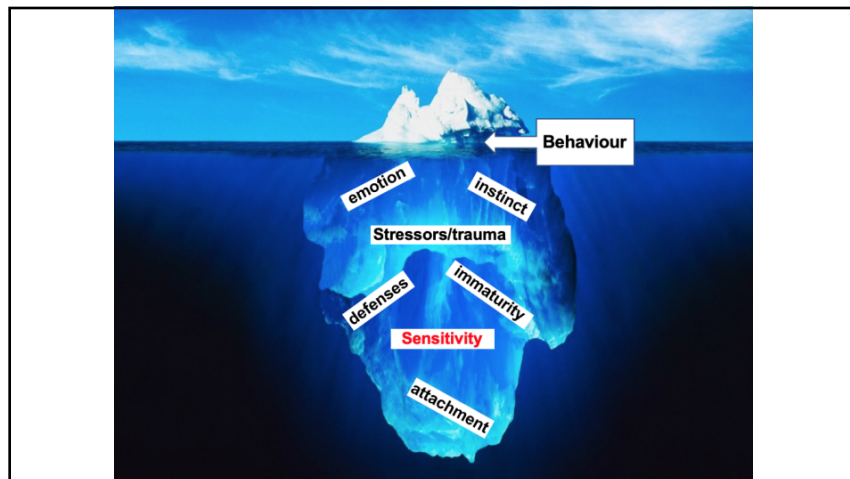
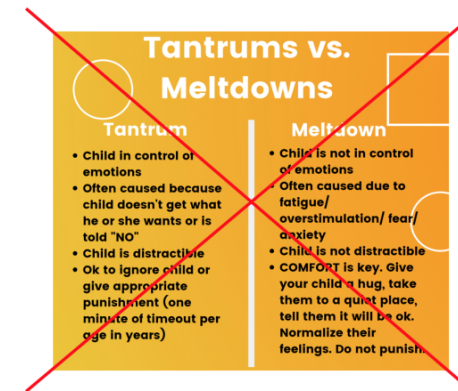


What is at the root of behaviour?

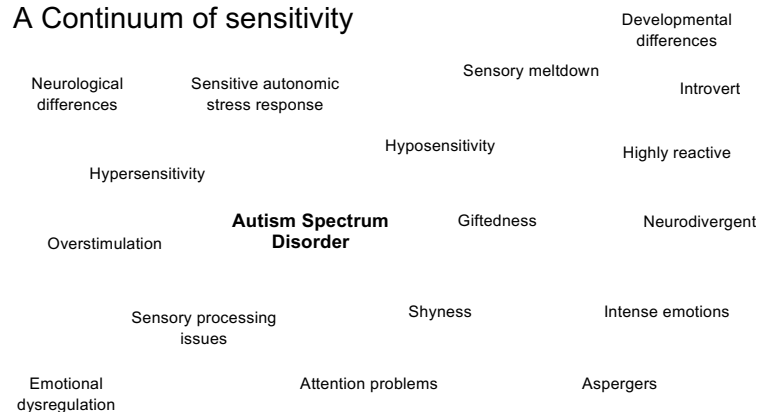
- Cannot view behaviour **in isolation***, but rather must be informed by neuroscience, child development and attachment theory.
- Behaviour isn't always what it seems, we need to dig deeper and look at what's happening beneath, at the root.

** Behaviour can be influenced by so many factors: immaturity, hypersensitivity, environmental stress/trauma, defenses, emotions, instincts, etc.*

Tantrum vs. Meltdown: myth or fact?



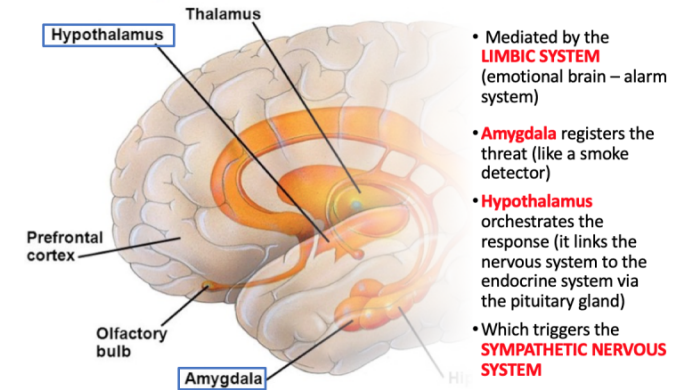
A Continuum of sensitivity



Level of support required



The limbic system



Judgment last to develop

The area of the brain that controls "executive functions" — including weighing long-term consequences and controlling impulses — is among the last to fully mature. Brain development from childhood to adulthood:

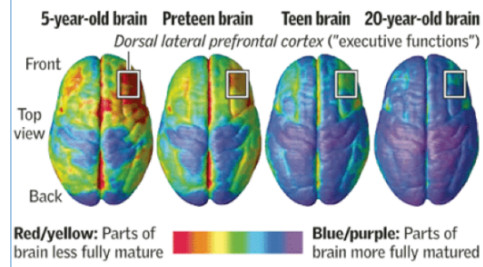
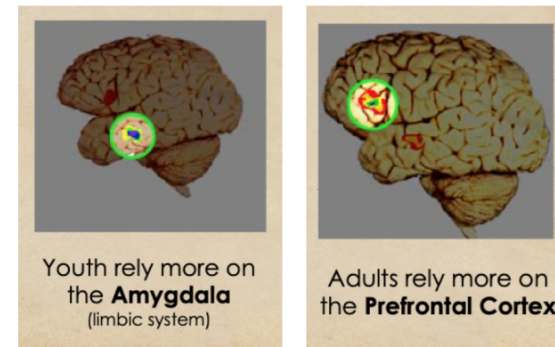


Image from the National Institute of Mental Health; Paul Thompson, Ph.D., UCLA Laboratory of Neuro Imaging

SELF REGULATION requires Prefrontal cortex development



How does behaviour change?

BEHAVIOUR CHANGES WHEN...

Sensory - Stress Response

Behaviour changes when the
body/brain is feeling safe

Attachment

Behaviour changes when feeling
connected to a nurturing adult

Vulnerability - Emotions

Behaviour changes when emotions are felt

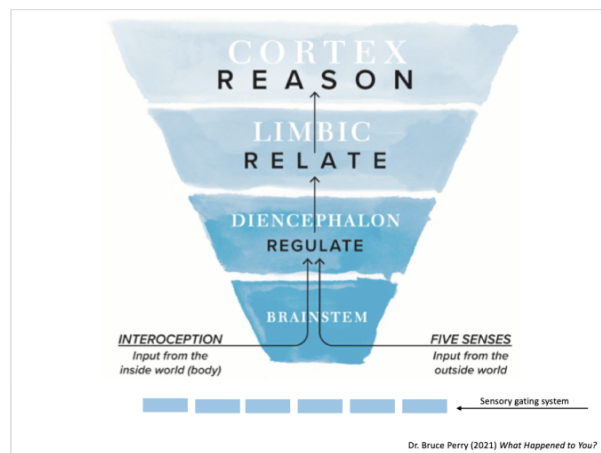
Maturation

Behaviour changes as the brain matures

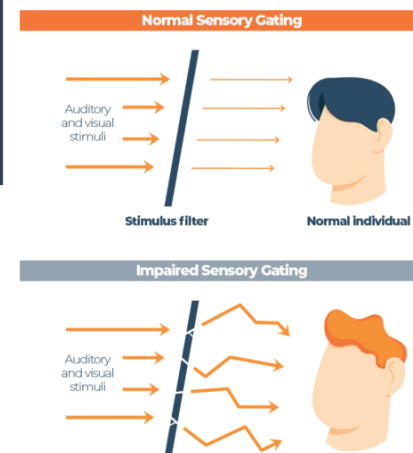
How does behaviour change?

A student's behavior cannot be addressed without having answered to their irreducible needs first:

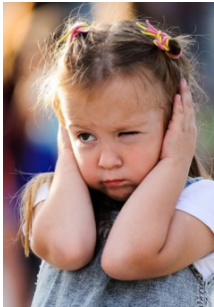
- **SAFETY:** helping the brain become regulated and receptive
- **ATTACHMENT:** providing nurturing and safe relationships
- **EMOTION:** inviting the whole range of emotional expression
- **PLAY:** making space for true play



Sensory
Gating
System

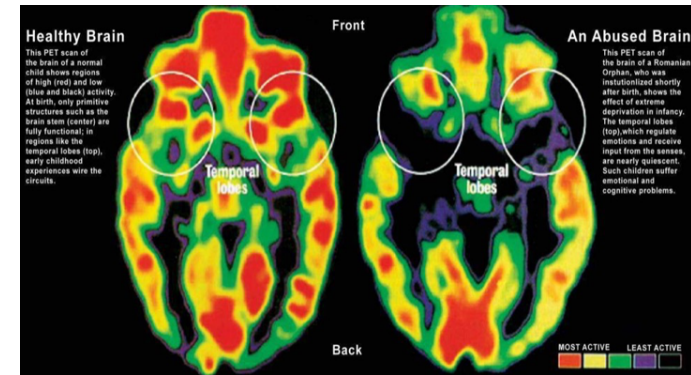


Impact of Sensitivity and Emotional intensity



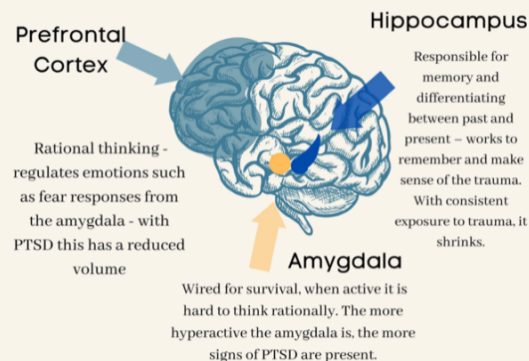
Greater children are hypersensitive and emotionally intense:

- More easily they are affected and moved by their emotions
- More easily they are overwhelmed by their emotional experience
- More likely they are to be "stuck" emotionally:
 - Emotional intensity evokes more defenses
 - Intellectualization of experiences (escape of emotions)
 - Loss of tears necessary for adaptation
- More adults attempt to calm the child in order to avoid emotional eruptions, which doesn't help the situation

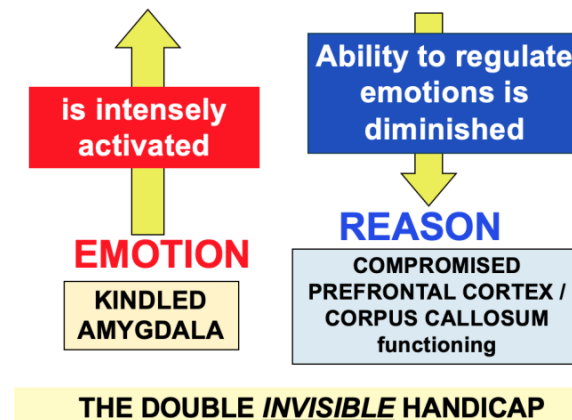


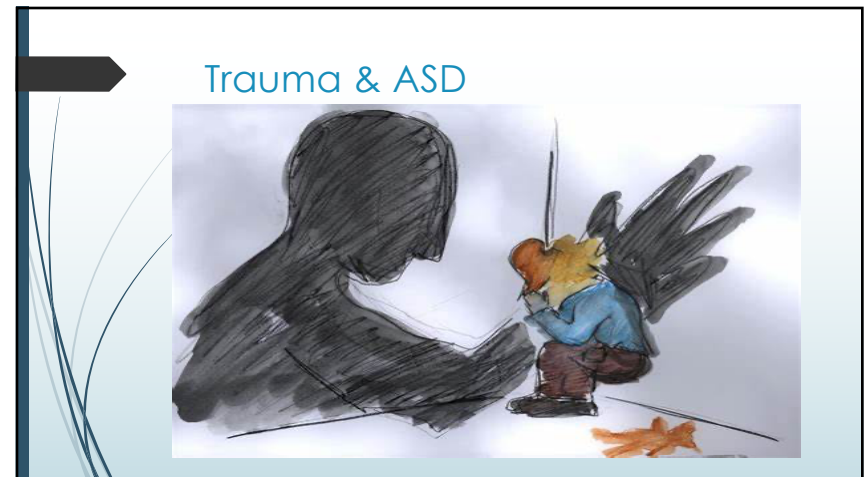
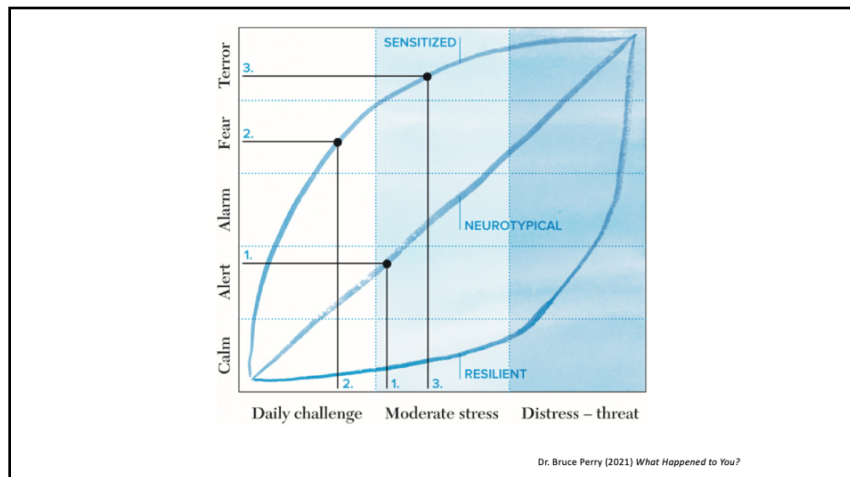
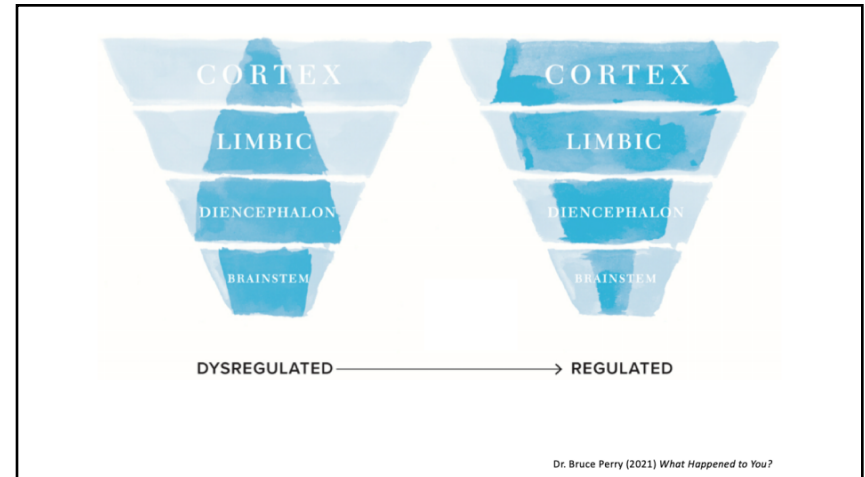
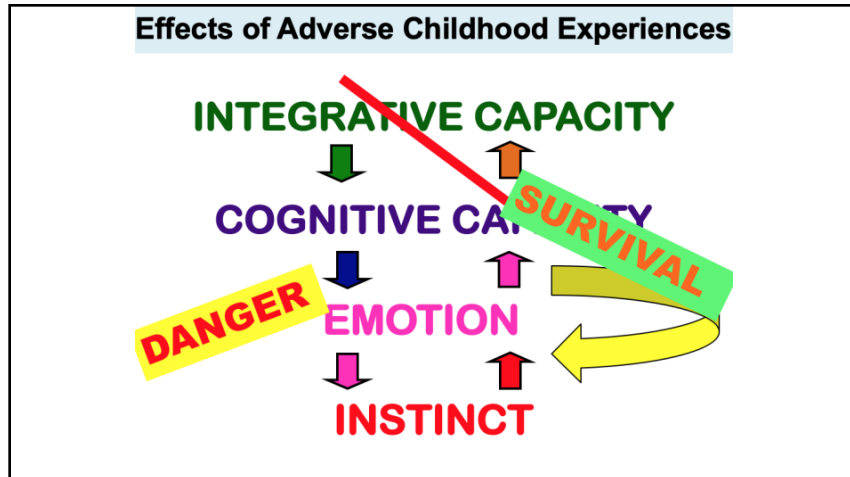
Effects of TRAUMA on the Brain

HOW TRAUMA AFFECTS THE BRAIN



Effects of Adverse Childhood Experiences



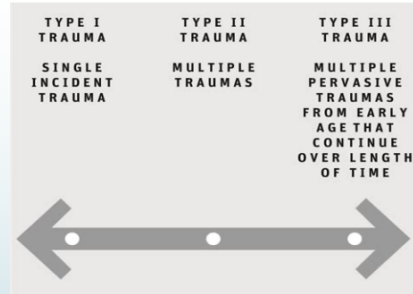


What do we mean when we say *trauma*?

Type I (Acute trauma): Results from exposure to a single overwhelming event or experience (car accident, natural disaster, single event of abuse or assault, sudden loss or witnessing act of violence)

Type II (Repetitive trauma): Results from exposure to multiple, chronic and/or prolonged overwhelming traumatic events (i.e., receiving regular treatment for an illness, going to war)

Type III (Developmental trauma): Results from early onset exposure to ongoing or repetitive relational trauma (as infant, child or teen)



Developmental Trauma – Long-Term Impact



Trauma spectrum

impersonal trauma

interpersonal trauma

attachment trauma

nonhuman agent

human agent

attachment figure

Developmental Trauma

'Developmental trauma is probably **the single most important public health challenge** in North America – a challenge that has the potential to be largely resolved by appropriate prevention and intervention. Each year, more 3 million children are reported to authorities for abuse or neglect in the US: About **1 million of those cases are substantiated**... Most trauma begins at home; the **vast majority of people responsible** for child maltreatment are the **children's own parents** (i.e., about 80% of the time)'

Bessel van der Kolk – The Body Keeps the Score

Why is Developmental Trauma (DT) so important?

- DT is a very **powerful predictor** of poorer **physical & mental health** later in life
- DT greatly **impedes children's social, emotional, behavioral, & academic functioning** in the here and now
- On the surface it seems like it is **hard to quantify DT**
- **The ACEs Study** – *The most important public health study you may not have heard of*

Measuring Developmental Trauma (Felitti & Amanda, 2002)

Adverse Childhood Experiences scale (ACEs)

The Relationship Between Adverse Childhood Experiences and Adult Health: Turning Gold into Lead

The **ACEs Study** began in 1995 at Kaiser Permanente Department of Preventive Medicine, the **largest HMO in California**, in partnership with the US Center for Disease Control (CDC) and involved **17,337** participants followed for 15+ years

75% White, 75% attended university, Ave Age = 57 years

Developmental Trauma - Origins: ACES Study

Initially **Felitti & Amanda** were interested in the HMO's weight loss program **drop-outs**

Detailed life interviews revealed that **childhood abuse** was **remarkably common**

Many patients spoke openly of an association between their obesity & their childhood abuse

Counterintuitively, they shared that **obesity** was **not their problem** but a **protective solution**

Striking remark of a woman who was raped and gained 105 pounds in the next year:

"Overweight is overlooked - that's the way I needed to be."

Adverse Childhood Experiences (ACEs)

Instructions: Below is a list of 10 categories of Adverse Childhood Experiences (ACEs). From the list below, please place a checkmark next to each ACE category that you experienced prior to your 18th birthday. Then, please add up the number of categories of ACEs you experienced and put the **total number** at the bottom.

Did you feel that you didn't have enough to eat, had to wear dirty clothes, or had no one to protect or take care of you?	
Did you lose a parent through divorce, abandonment, death, or other reason?	
Did you live with anyone who was depressed, mentally ill, or attempted suicide?	
Did you live with anyone who had a problem with drinking or using drugs, including prescription drugs?	
Did your parents or adults in your home ever hit, punch, beat, or threaten to harm each other?	
Did you live with anyone who went to jail or prison?	
Did a parent or adult in your home ever swear at you, insult you, or put you down?	
Did a parent or adult in your home ever hit, beat, kick, or physically hurt you in any way?	
Did you feel that no one in your family loved you or thought you were special?	
Did you experience unwanted sexual contact (such as fondling or oral/anal/vaginal intercourse/penetration)?	
Your ACE score is the total number of checked responses	

ACES – 3 Types

ABUSE



Physical



Emotional



Sexual

NEGLECT



Physical



Emotional

HOUSEHOLD DYSFUNCTION



Mental Illness



Incarcerated Relative



Mother treated violently



Substance Abuse



Divorce

Scoring the ACEs Scale

Ten questions - Each type of trauma counts as 1, no matter how many times it occurs (**Total Score** range = **0-10**)

The **more ACEs you have, the greater the risk** for chronic physical disease, mental illness, violence, and being the victim of violence

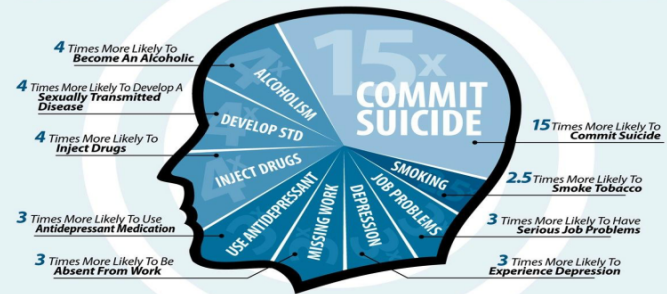
Thus, ACEs have a *graded dose-response* (i.e. a **response** to a drug such that as the **dose** of drug increases the intensity of the **response** increases – like alcohol)

Magic number is **4** for **adults** but during **childhood** it is **3**

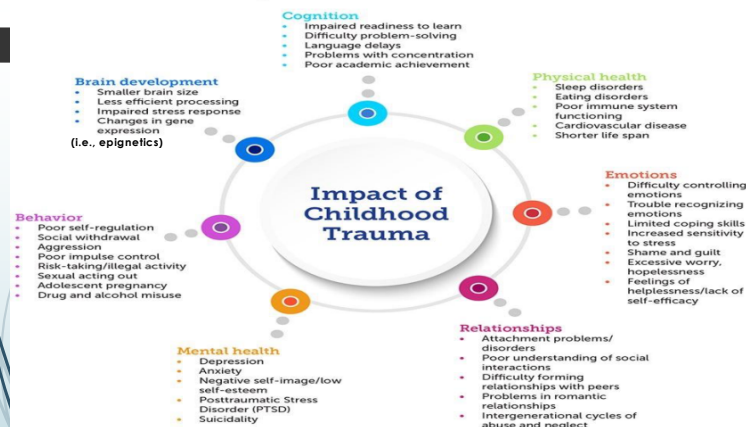
People with an ACE score of **6** or higher are at-risk of their **lifespan** being **shortened by 20 years**

ACES – Later Problems

PEOPLE WHO HAVE EXPERIENCED TRAUMA ARE:



Impact of Childhood Trauma

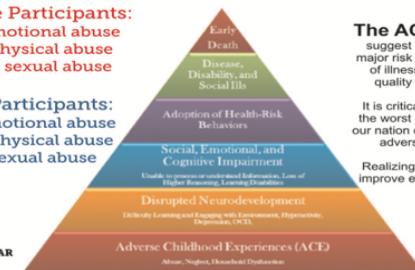


Original ACEs Study

The ACE (Adverse Childhood Experience) Study Conducted by the US Center for Disease Control & Kaiser Permanente 17,000 PARTICIPANTS SURVEYED

Female Participants:
13% emotional abuse
27% physical abuse
24.7% sexual abuse

Male Participants:
7.6% emotional abuse
29.9% physical abuse
16% sexual abuse



The ACE Study Findings
suggest that certain experiences are major risk factors for the leading causes of illness and death as well as poor quality of life in the United States.

It is critical to understand how some of the worst health and social problems in our nation can arise as a consequence of adverse childhood experiences.

Realizing these connections is likely to improve efforts towards prevention and recovery.

Developmental Trauma & ASD

What the Evidence Shows:

- ❑ Individuals with ASD are at least as likely to experience DT and probably at greater risk for ACES
 - ❑ But the effects of DT on this group are not well-understood
 - ❑ But we know that less extreme experiences than ACES (e.g., fire alarms, loss of a pet) can be destabilizing for those with ASD
- ❑ About 70% of those with ASD have a comorbid psychiatric disorder but PTSD/DTD are largely overlooked in this group
 - ❑ Until recently very few studies looked at ASD and DT and those that did suggested that about 3% of those with ASD had DT
 - ❑ But emerging research suggests that the % is much higher
- ❑ Children with ASD are bullied/socially ostracized more often than peers with other disabilities and more often than non-disabled peers
 - ❑ Social ostracism is a very potent trauma trigger among those with ASD

WHAT ARE SOME CHALLENGES THAT ASD STUDENTS CAN FACE DURING THEIR DAY?

- Change, unpredictability
- Unstructured time
- Social interactions/ Social demands
- Sensory build up
- Hunger/fatigue/unwell
- Anticipation of the day/the afternoon/or going home
- Transitions
- Demands and/or requests

Best Practices

1. Build a positive relationship
2. Use visuals
3. Structure the environment
4. Address sensory needs
5. Address emotional needs and stress response
6. Teach and reinforce social skills
7. Understand the root cause driving the behaviour
8. Assume competency, tap into strengths not deficits
9. Use proactive/positive language- Declarative versus imperative language
10. Emotion coaching

1- Build a positive relationship

- Listen
- Get down to their level
- Play
- Engage
- Connect
- Be mindful of your verbal and nonverbal communication
- Respect the student and pay attention to what he is saying to you, whether verbally or through his choices or actions.

2- Use Visual Supports

Visual supports can help:

- Decrease stress as students will know what comes next
- Give clear expectations
- Support the students' difficulty with sequential memory and organization of time
- Eliminate dialogue and the potential to dispute
- Promote independence
- Information last longer

WHY USE VISUALS?

He already knows what is happening in the day. He tells me.

I don't want him to look different

He understands everything I tell him to do.

I can never find the pictures. They are always getting lost

He never even looks at his schedule

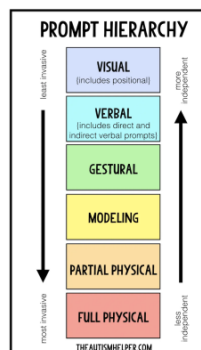
WHY USE VISUAL SUPPORTS?

To give information to students in a concrete visual form

Visual supports can help:

- ✓ Decrease anxiety as students will know what comes next
- ✓ Give clear expectations
- ✓ Support the students' difficulty with sequential memory and organization of time
- ✓ Eliminate dialogue and the potential to dispute
- ✓ Promote independence

PROMPT HIERARCHY



At the bottom are the most intrusive prompts where students have the least amount of independence. As you move up the list, prompts become less invasive and students independence increases.

VISUAL SCHEDULES

Morning	Done ✓
Math	
Recess	
Gym	
Reading	
Lunch	

Schedules provide the following information to the student:

- What is happening today
- **What is not happening today**
- What is the sequence of events
- **What is changing that I normally expect**
- When it is time to stop one activity and move onto another one

The image shows three visual aids. On the left, two 'First/Then' schedules. The top one shows a sandwich as 'First' and a cookie as 'Then'. The bottom one shows 'Tidy up' as 'First' and 'Outside' as 'Then'. In the center is a 'LUNCH/ RECESS ROUTINE' chart with eight steps: 1. Put Coat On, 2. Get Lunch, 3. Line Up, 4. Go To Recess, 5. Go To Lunch Room, 6. Eat Lunch, 7. Throw Trash Away, 8. Line Up. To the right is a blank whiteboard with a marker.

www.lessonpix.com

3- Structure the Environment

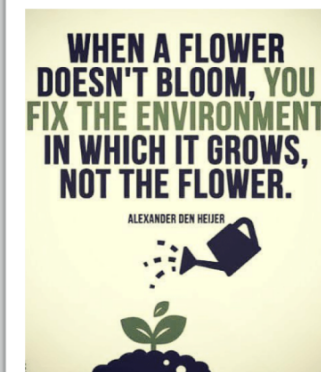
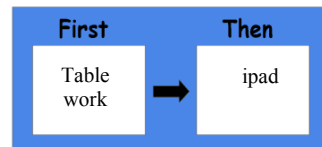
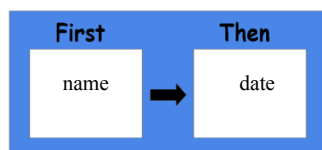
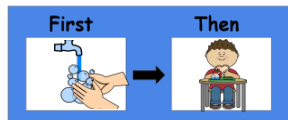
As you learn to think like a detective about your student's behaviour, your observations are likely to show that behaviour occurs at specific times, with specific people, or in specific environments. You and your team will need to pay attention and learn to recognize the signs of increasing tension, anxiety, or frustration, which can lead to challenging behaviours. There is frequently a ramping up, or escalation period, and learning to recognize that early on and using many of the approaches presented here can help to calm a situation and prevent behavioural outbursts. These indicators can be subtle at times.

- Clear, concise expectations
- Provide opportunities for structured play
- Eliminate the "unknown"
- Differential seating: seat child in front of class for minimal distraction or near door for easy access to walks and breaks.
- Use peers as positive role models
- Provide a safe space and teach the student how and when to use it: A calming room or corner, as well as objects or activities that aid in relaxation (e.g., a bean bag)

STRUCTURE THE ENVIRONMENT

The following must be made clear to the child prior to beginning any task or activity:

- What is expected of the child
- Where the task begins and ends
- What is expected once the job is done
- What the reinforcement will be
- That the child is capable of doing the task



4- Address sensory needs

Individuals with autism frequently report on their various ways of experiencing the world, and it is important to keep these issues in mind when evaluating a person's specific behaviours.

It is critical to consider whether the individual has a sensory need that is not being met.

Is it the tag on his shirt, the lighting, the sound, the crowd, or the odours that he finds painful or overwhelming?



5- Address emotional needs and stress response

Fight/ flight/ freeze response

The student may respond with a dramatic reaction (fight response) and maintain a high level of arousal or move into shutdown (freeze response) where they do not appear to be responding to sensory input at all. A student that appears to be "avoiding" a situation, a task or an activity may actually be having a physiological flight response.

6- Teach and reinforce social skills

- Script and model
- Role play
- Lead by example

Children with ASD may need to explicitly be taught things that other children learn innately. Do not assume they know better, but do assume they want to do better. Because behaviour represents communication, it is critical to replace behaviour by developing more adaptive skills. It is critical that you do not assume that a child possesses the skills required to do something "the right way." Use systematic instruction and motivation to develop new skills. Skill development can take time, so be patient and celebrate the small victories along the way.

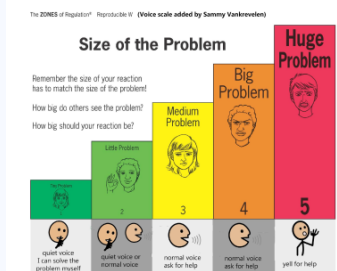
<https://www.socialthinking.com/Articles?name=teaching-through-thought-bubbles-speech-bubbles>



Our thought bubble

- Teach students that everyone has a thought bubble. People can have comfortable or uncomfortable thoughts about you.
- Your actions and words give people thoughts and feelings about you.
- Sometimes the Intended message is different from the message received.

<https://www.socialthinking.com/Articles?name=learning-control-emotional-reactions-part-problem-solving>



Size of the problem

Help students identify that problems come in all different sizes. Some are easy to solve and some take longer. They may be able to fix a problem on their own or they may need an adult to help.

Size of the problem must match the size of the reaction.

Small problem= small reaction

Big problem= big reaction

<https://www.socialthinking.com/Articles?name=why-use-expected-unexpected-social-thinking-vocabulary>



Expected/ unexpected behaviors

- Use consistent language.
- Expected behavior makes people have good thoughts
- Unexpected behavior gives people uncomfortable thoughts.

7- Understand the root cause driving the behaviour

Think of the behaviour you observe as just the tip of an iceberg, below the surface of the waterline lies the cause of the behaviour. We need to dive below the waterline and address the root cause, not simply the behaviour that we are seeing.

What looks like anger may be insecurity, helplessness or worry

What looks like defiance may be confusion or fear

Why is he running out of the class?

Why is she refusing to do the worksheet?

Why will he not put his snow pants on?

Why is she kicking, punching, hitting...?



?

Underlying emotions and/or the environmental factors driving the behaviours

OUR CURRENT APPROACH IN EDUCATION IS SURFACE LEVEL INTERVENTION

Identify the behaviour → Intervention

Examples of surface level approaches:

- Loss of privileges
 - Use of a strong reinforcer
 - Planned Ignoring
 - Removal from the classroom
- ☐ Focus literally on the observed behaviour
 - ☐ Fixing what the behaviour looks like

These strategies might extinguish negative behaviours in the short term but they do not help us understand and get to the real, authentic problem.

8- Assume competency, tap into strengths/ interests not deficits

Teach and interact at your student's level of understanding: Build on strengths and not deficits in order to foster success and growth, rather than the anxiety and/or frustration that comes from constant failure or boredom.

Celebrate and build on the students strengths and successes. A sense of competence frequently stimulates interest and motivation. Make an effort to provide positive feedback far more frequently than any correction or negative feedback. 'Excellent job waiting your turn!'

Enthusiasms versus obsessions- Dr. Barry Prizant

9- Declarative versus imperative language

- | | |
|---------------|-----------------------|
| • Comment | • Directives/commands |
| • Declaration | • Prompts |
| • Prediction | • Questions |
| • Reflection | • Requests |

Declarative language does not elicit, require or demand a physical or verbal response but rather declarative language invites a response.

It elicits a response of some kind. It limits the opportunity for students to think for themselves, make choices and problem solve on their own.

Why Declarative language?

Using declarative language can make a huge difference in the student's ability to share experiences and memories; become better observers (read the room); problem solve; develop their critical thinking skills; understand perspective; and communicate on a more meaningful level.

Examples of Declarative language

- I'm wondering where your shoes are
- I'm wondering where your pencil is
- Oh my, I don't want you to trip on your shoelaces
- Your books might fall out of your bag
- I notice your calendar did not make it to your bin
- I see books out on the table
- I heard your friend say that he would like to borrow your scissors
- If you don't sit with your feet on the ground, you may hurt yourself
- I'm thinking you may be safer if you sit with your bottom on the chair
- I notice that you haven't started your work
- I notice that you really like sharpening your pencil often
- I notice all the students are lining up
- I am so happy to see everyone working
- I see the other students are packing up their belongings
- I see the other students getting ready for recess
- It makes me so happy when I see my friends working quietly at their desks
- Oh geez, I made a mistake, that's ok
- It looks like you are having a hard time
- Oh that's loud, it hurts my ears
- I'm finding it hard to hear you when you are shouting
- I think we need more time, we aren't ready just yet
- It must be frustrating when our friends don't follow the rules
- I wonder if taking a break might be the best choice
- I wouldn't want you to have to miss...
- I wonder if we can be flexible and move on
- Counting to 10 makes me feel so much better
- I notice that your friend wants a turn
- I think going for a walk is a good option
- I wonder what we can do so that we can both be happy
- I wonder what we can do so that you can stay in the class
- I notice you are standing very close to...
- I forgot why you don't want to...
- It's ok to be mad, but it is not ok to yell at me

10- Emotion coaching

1- Label:

This helps the child start to identify their emotions and feel seen and heard by you. Expressing your curiosity helps you figure out exactly what the child is feeling (sad, mad, angry, frustrated, embarrassed) before moving forward to coach them through the feeling.

Sample:

- I see you are feeling...
- I notice you are (clenching your hands, frowning, getting hyper)...
- I hear you saying...
- Tell me more about what you are feeling.
- It sounds like you are feeling _____. is this correct?

2- Empathize and validate:

Empathizing is reflecting and experiencing another person's emotions, or put another way, imagining you are the child and reacting with their emotions and past experiences. This also means putting aside your own feelings, judgments, reactions and experiences.

Sample:

- It's normal to feel ____ when this happens.
- I would feel that way too if this happened to me.
- I understand why you feel this way.

3- Set limits:

Clarify for the child that although the feeling is perfectly valid and understandable, not all behaviours triggered by the feeling are acceptable.

Sample:

- It's okay to feel ____, but it's not okay to ____
- It's okay to feel angry, but it's not okay to punch, hit, kick, scream.
- It's okay to feel embarrassed, but it's not okay to make fun of other people.
- It's okay to feel nervous, but it's not okay to lie about what happened.

Emotion coaching

Decaire, J. & Gottman, J. (1997). The Heart of Parenting: How to Raise an Emotionally Intelligent Child. New York: Simon & Schuster.
John Gottman - Emotion Coaching
<https://emotioncoaching.gottman.com>
<https://www.emotioncoachinguk.com/>

4- Problem solve:

Prompt the child to think of options. The best ideas come from children themselves, when they explore the problem from their own perspective and knowledge.

Sample:

- Looking back now, what would you do differently?
- How could you handle it differently next time?
- What are two other ways of solving the problem?

5- Coach a skill:

If the child is unable to think of any possible solutions, explore with them what they might have done differently

Sample:

Something that I know works with other kids or for myself is ____, would this be something we can work on together?

- Asking for help
- Talking to someone I trust
- Taking a break
- Go outside
- Doing relaxation activities (mindfulness, deep breathing, drawing)
- Doing something physical and repetitive (walk, jumping jacks, push-ups, running)

When to use Emotion Coaching?






Emotion coaching can be used to de-escalate a situation before it develops into a crisis.

Also use this approach to debrief with the child after a crisis has occurred.

Example: Student loses his glove during recess, does not come in when the bell rings.

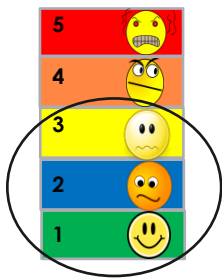
5 STEPS:

- 1) Label: I see that you are worried that your glove is missing
- 2) Validate: I would be worried too if I didn't know where my glove was.
- 3) Set limits: It is ok to be worried and want to look for your glove but it is not ok to ignore the bell.
- 4) Problem solve: At our next recess, I will go out with you to look for your glove.
- 5) Coach a skill: Next time you are worried about not having your gloves, you can come see me or next time you take your gloves off, perhaps you can put them in your pocket...

This is when you STOP TALKING. Provide a safe place for the student to work through the problem.	5	
	4	
Observe and assess the needs of the student.	3	
	2	
This is the optimal time to: redirect and provide calming strategies	1	

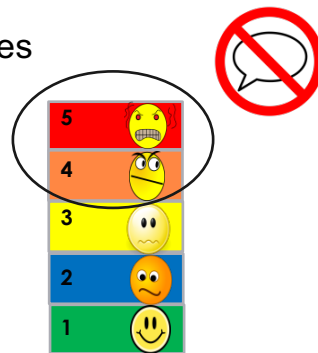
Proactive measures

- Build a positive relationship
- Use visuals
- Structure the environment
- Address sensory needs
- Address emotional needs and stress response
- Teach and reinforce social skills
- Understand the root cause driving the behaviour
- Assume competency, tap into strengths not deficits
- Use proactive/positive language- Declarative versus imperative language



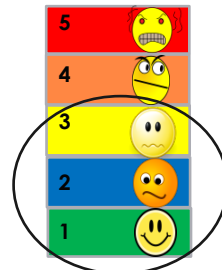
Reactive measures

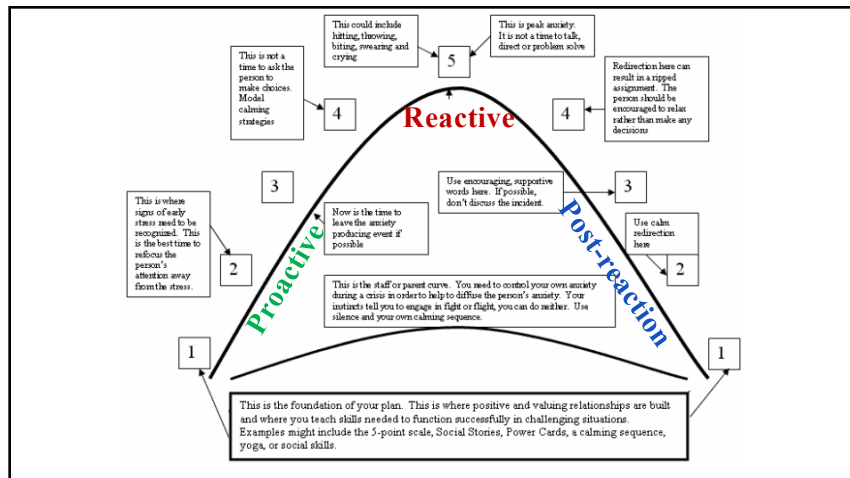
- Do not talk to the student
- Ensure the student's safety
- Ensure the class's safety
- Ensure your own safety
- Preserve the student's dignity
- Allow for the outburst to conclude



Post reaction

- Follow through- follow up
- Re-connect
- Foster any relationship that was affected by the student's behaviour





ALL INTERACTIONS SHOULD BE:

- ☐ Aimed at developing the student's autonomy, not obedience
- ☐ Be based on acceptance of the student including his or her autistic traits
- ☐ Be about what the child needs not what we need
- ☐ Be about what we should do, not what the student should do
- ☐ Be meaningful and functional

CONCLUSION

- ☐ Visual supports are a powerful and effective tool
- ☐ Decipher between skill deficits & motivational deficits
- ☐ Address the "WHY" of the behaviour rather than intervening with the behaviour itself
- ☐ The measure of a good day is not the absence of negative behaviours
- ☐ Build a relationship & preserve student dignity
- ☐ Promote student autonomy