





# The Sensory Form Webinar

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### **Background**



- Sensory processing involves taking in a processing information from the senses (Bundy & Lane, 2012), an issue for typical children, ASD, ADHD (Dunn et al, 2016).
- Difficulties with sensory processing can negatively affect play, ADLs and participation (Dunn et al, 2016) school participation for children with autism. (Ashburner et al, 2008).
- Disagreement in literature about the best approach (Bodison & Parham, 2018; Barton et al, 2015), little to guide practice (Case-Smith et al, 2015).
- Issues with defining intervention (Case-Smith, et al, 2015) and intervention fidelity (Schaaf et al, 2018).

#### What's the Plan?



- 1. Quick review- sensory processing
- 2. Meet "Tahlia"
- 3. Complete a sensory processing assessment and intervention plan for Tahlia using the sensory form

# Sensory Processing"Taking in and organising sensory information for use"

**Eight Senses** 

- Outside senses- touch, taste, smell, hearing, vision
- Inside senses- Proprioception, vestibular, interoception

#### Why do we have senses?

**Protection-** "Will it hurt me?" (fight flight fright- protects the body from damage)

**Discrimination**- "What is it?" (more detailed information about objects and people

**Habituation**- "Do I need to keep paying attention?" (screening out irrelevant stimuli)

#### Winnie Dunn's model of sensory modulation (Dunn, 2014)



W

Under Responsive High Threshold Registration / Bystander

Seeking / Seeker

Passive

Active

Over Responsive Low Threshold Sensitivity / Sensor

**Avoiding / Avoider** 



#### **Sensory Processing- The Controversy**



- Not enough evidence to warrant the use of sensory intervention (Barton et al, 2015)
- Should not be used for children with autism (Lang et al, 2012)
- Important to differentiate between Sensory Integration (fidelity measure-Parnham, et al, 2007) and Sensory Based Interventions (Case-Smith et al, 2015), Sensory Specific Techniques or Sensory Environmental Modification (Bodison & Parnham, 2018).
- Evidence is inconclusive (Watling & Hauer, 2015)
- Some evidence for SI with children with autism (Schaaf, Dumont, Arbesman & May-Benson, 2018)

# If all you have is a hammer, everything looks like a nail.





#### **Providing Sensory Support**



# Universal Supports benefit all students:

- Structure
- Routine
- Predictability
- Information sharing
- Good Autism practice

## Individualised Supports are needed for some students

- Gather information
- Understand sensory needs
- Provide specific sensory supports

#### **Individualised Supports**

### **Universal Supports**

#### **Sensory Processing Assessment and Intervention**



- Do an assessment first! (AOTA, 2018)
- Then you can target strategies- do not use individual sensory interventions without assessment

http://www.choosingwisely.org/aota-offers-choosingwisely-list-of-practices-to-question/

autism spectrum	Name:		Date: / /	Who is in the tea	m?		aspect practice that werks		
VISION	SOUND	TOUCH	ORAL SENSORY	SMELL/TASTE		OVEMENT ESTIBULAR)	BODY (PROPRIOCEPTION)		
Problems with Participation  Are you sure it's sensory? YES / NO If YES, approach with a sensory lens, If NO, alternative assessment or intervention									
Bystander Seeker			u vicual suproste etc.	Avoider		Sensor			
Is good autism practice in place? (structure, routine, predictability, visual supports etc.)									
Proactive Strate Environmental change Sensory activities		ing Coping Strat	Where,	Logistics: Where, when, how??  Plan Review Date:					
							© Autism Spectrum Australia (Aspect)		



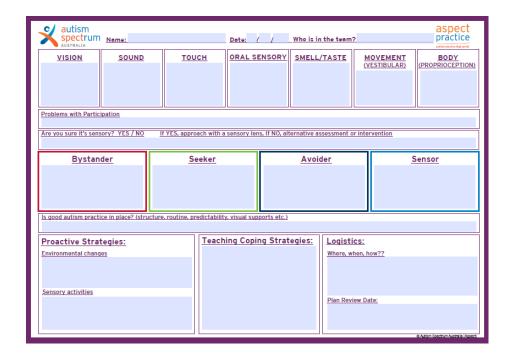
The Sensory Form

#### You can access The Sensory Form for free here:



https://www.autismspectrum.org.au/content/sensory-processing-difficulties

#### **Click on the Sensory Form box:**





#### Let's meet Thalia







Thalia is a 10-year-old girl who enjoys listening to music and craft activities. She loves Hello Kitty and often draws Hello Kitty. Thalia has autism and an intellectual disability and attends a support class in a mainstream school.

Thalia's mother has seen her dance to her favourite music when it comes on, but at other times she gets very upset by sound and puts her fingers over her ears. Her teacher at school has noticed this more than her mother at home.

Recently, the school have participated in an organised dance program with visiting dance instructors, but Thalia is reluctant to participate and hold hands with her partner. Thalia will go on a swing at the local park and seems to enjoy this, but is reluctant to participate in an organised soccer game at school. Her teacher reports that she's quite clumsy, and becomes upset at times when she bumps into other people when moving around the school.







Thalia is an only child from a Greek Background who lives at home with her mother and her grandmother. Thalia lives in a three-bedroom house so Thalia has her own room. Thalia eats a variety of foods and enjoys cooking traditional Greek food with her grandmother.

Thalia will wear her school uniform but she complains to her mother that the tags cause itching and distract her at school sometimes. Thalia's mother says she likes to choose her own clothes.





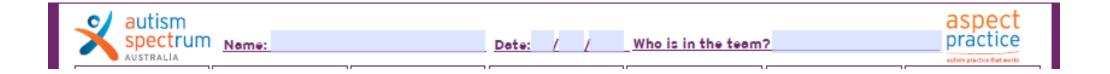




Imagine you are Thalia's occupational therapist. Recently you've noticed that she's having some difficulties at school. Her previous teachers and her mother have reported that Thalia is very different at home and school. She's in a smaller class with 15 students in total and she's having difficulties doing her independent work. Work time usually happens after playground time in the morning and after recess. Thalia says she can't concentrate with all the noise and she is worried about not being able to complete her work and then missing her 'fast finishers' craft activity. Her teacher has noticed that she fidgets with her hair and her pencil case and this affects her ability to complete the task within the time frame. Thalia has a visual schedule on her desk reminding her of the tasks she has to do. Thalia is able to communicate verbally with the teacher but she hasn't been doing this during work time.

#### Who's in the Team?





- Important to consider the important people in the student's life.
- Insights from different environments-'context' is very important (Ismael et al, 2018).
- Thalia, Mum, grandma, teacher.





The Sensory Form

#### **Thalia's Sensory Processing**

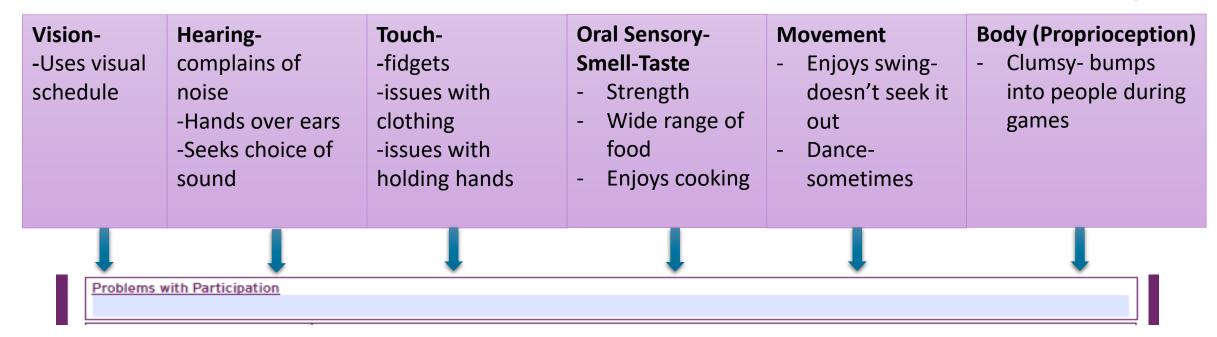




visual noise schedule -Hand ears	olains of -fidgets -issues with clothing -issues with as choice of holding har	<ul><li>Wide range</li><li>of food</li></ul>	<ul><li>Movement</li><li>Enjoys swing- doesn't seek it out</li><li>Dance- sometimes</li></ul>	<ul><li>Body (Proprioception)</li><li>Clumsy- bumps into people during games</li></ul>
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#### **Thalia's Sensory Processing**





#### Thalia's Problems with Participation:

Doing school work- touch and noise, fidgeting in class- does this help or hinder?

Difficulties after playground play, Different in different environments

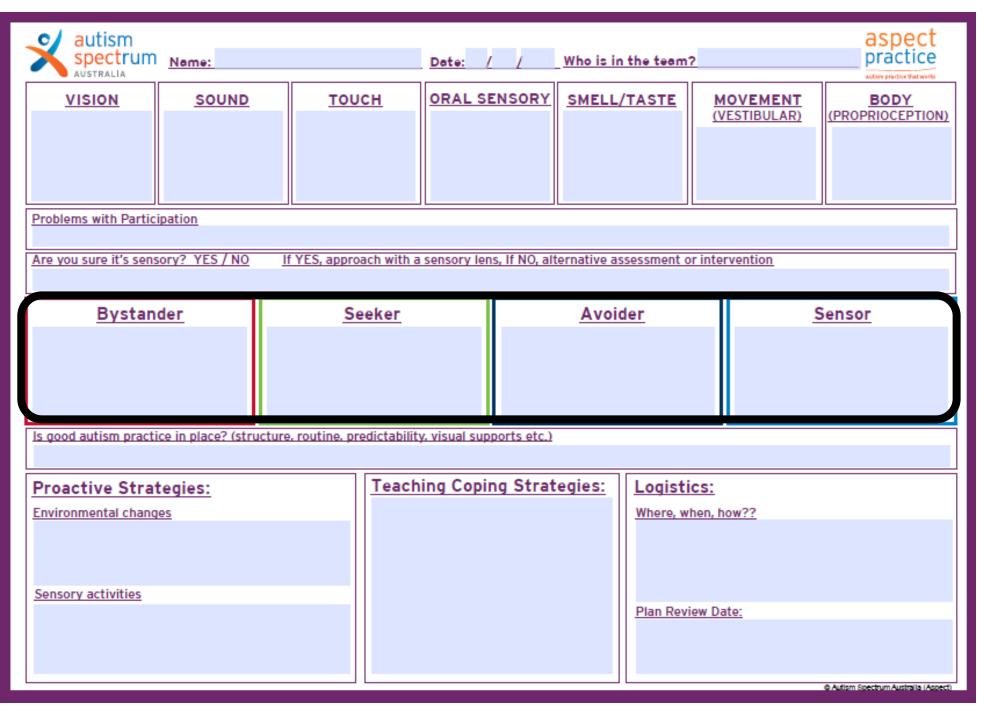
"A problem isn't a problem until it's a problem"

#### Are you sure it's sensory?



Are you sure it's sensory? YES / NO If YES, approach with a sensory lens, If NO, alternative assessment or intervention

- Specific sensory observations and reports from Thalia- touch and noise
- There may be issues with a **"build up"** of sensory input- needing to focus on work after playground play
- Consider sensory aspects of the **playground** noisy, unpredictable touch, social demands
- **Differences in different environments** suggests that Thalia is prone to notice a lot in the environment
- Differences observed when given **choice** and **control** of sensory input- eg. music and dance
- There is probably a social aspect to Thalia's participation difficulties (not all sensory!)





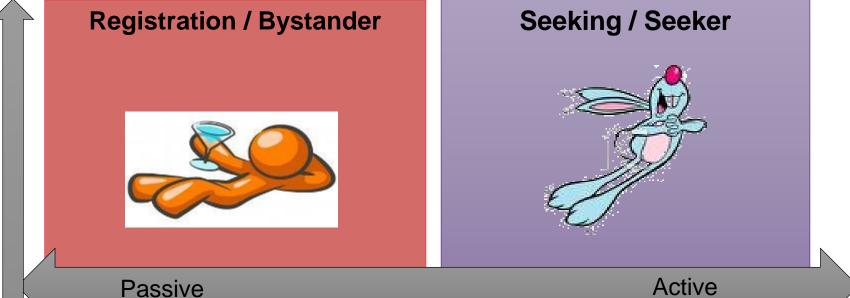
What type of sensory style does Thalia have?

#### Winnie Dunn's model of sensory modulation (Dunn, 2014)



W

Under Responsive High Threshold



Over Responsive Low Threshold Sensitivity / Sensor

**Avoiding / Avoider** 



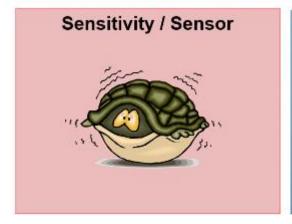


#### Winnie's Dunn's model- Four Sensory Styles

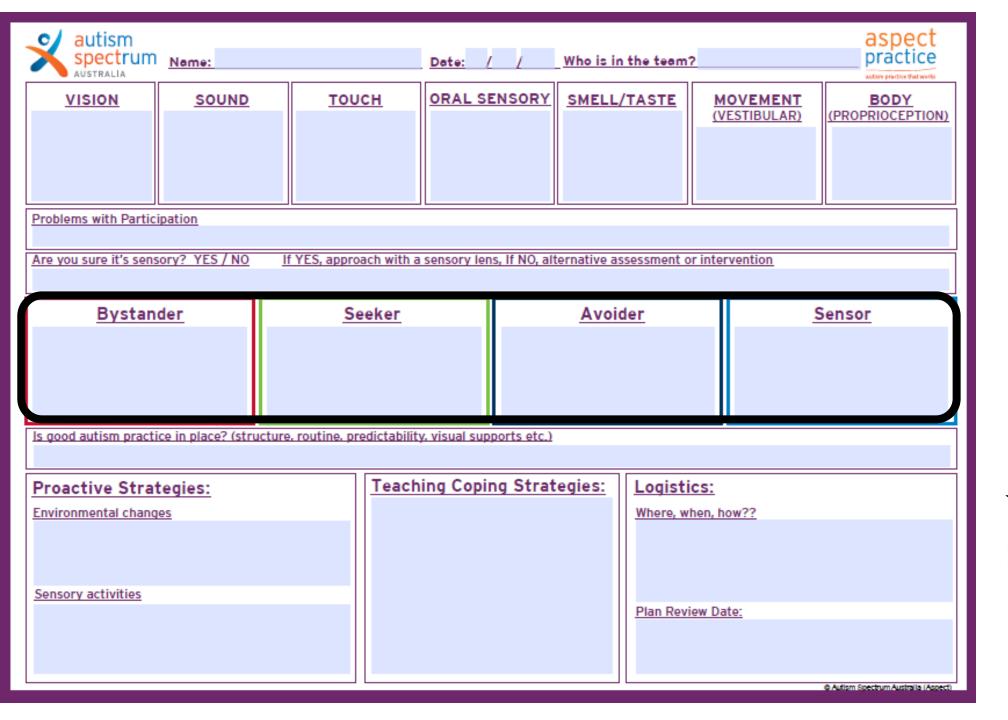
- People don't fit neatly into these categories!
- Children can fit into more than one style.
- Thalia-Avoider
- Distress- noise, noisy environments, avoids activities
- Seeker-fidgeting-
- Coping mechanism?
- Active Sensory styles













Complete this section with Thalia's sensory style

You don't need to fill in every box

#### **Good Autism Practice**



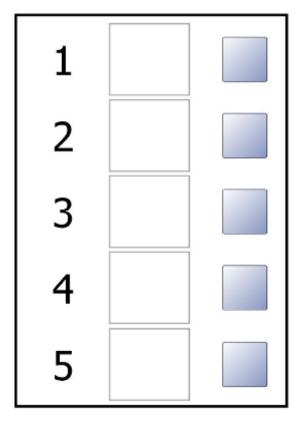
Is good autism practice in place? (structure, routine, predictability, visual supports etc.)



#### What is currently in place?

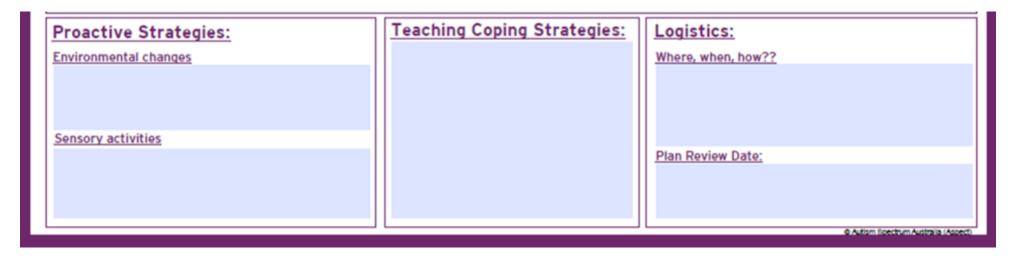
- Visual Schedule
- Routine
- Is this meeting Thalia's needs?

#### Today's Schedule



#### The Bottom of The Sensory Form: Intervention



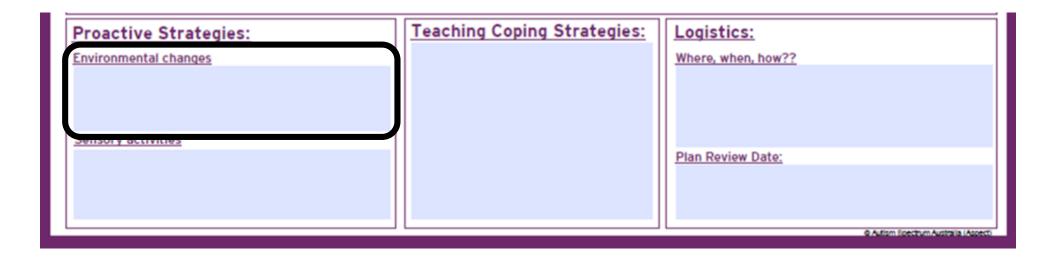


#### Intervention Strategies matched to Thalia's needs.

- Environmental Changes- help or hinder participation
- Sensory Activities- safe and appropriate way to access sensory input
- Coping Strategies- What strategies can we teach Thalia to help her?
- Logisitics- How are we going to pull it all together?

#### **Environmental Changes**

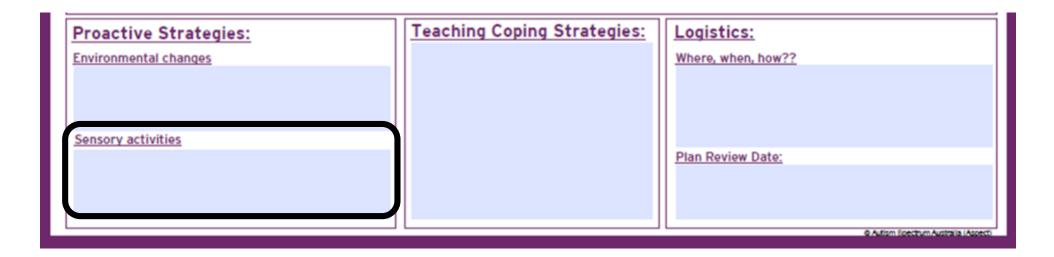




- Break space- take a break from sensory input
- Structure this- break cards (3 breaks per session)
- Headphones

#### **Sensory Activities**



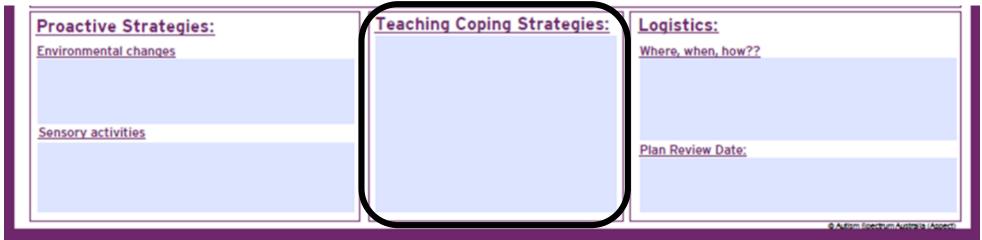


 Fidget toys- trial of different toys to see which work best for Thalia and for the environment

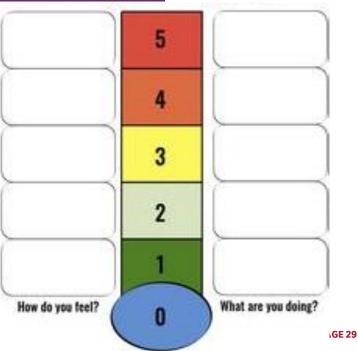


#### **Teaching Coping Strategies**





- Feelings chart/thermometer- *How am I feeling?* What can I do when it's all too much...?
- Social/Sensory Story- When the environment is too noisy I can...





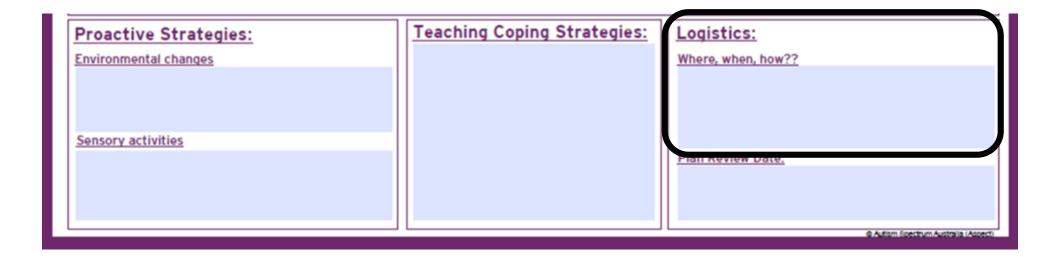


# But those strategies aren't sensory??

- ✓ It's ok to address sensory issues using non-sensory strategies!
- ✓ The aim is to increase participation

#### **Logistics: Where, When, How?**





- School and home- available space- Breakout space
- Team meeting- allocate tasks:
- What to buy- Fidget toys, headphones
- Creating thermometer, writing social story, making break cards
- Get Thalia's input and buy in

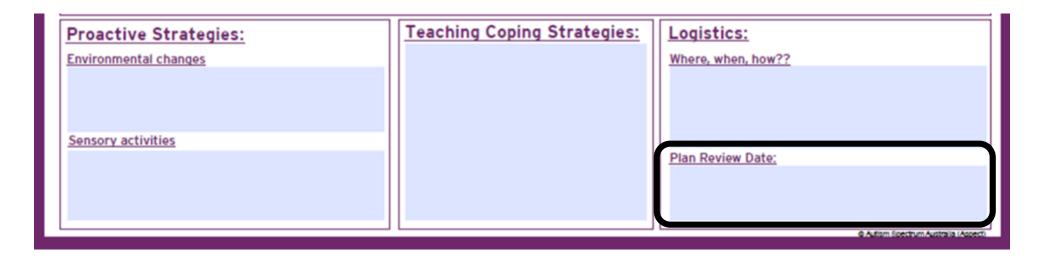
#### **Logistics- Make a Plan- The Checklist**



Tasks	Who?	When?
Meet with home and school		
Review classroom and school supports		
Scope out breakout space		
Shop for fidget toys to trial		
Buy Headphones		
Create thermometer		
Create Break cards		
Write social story		

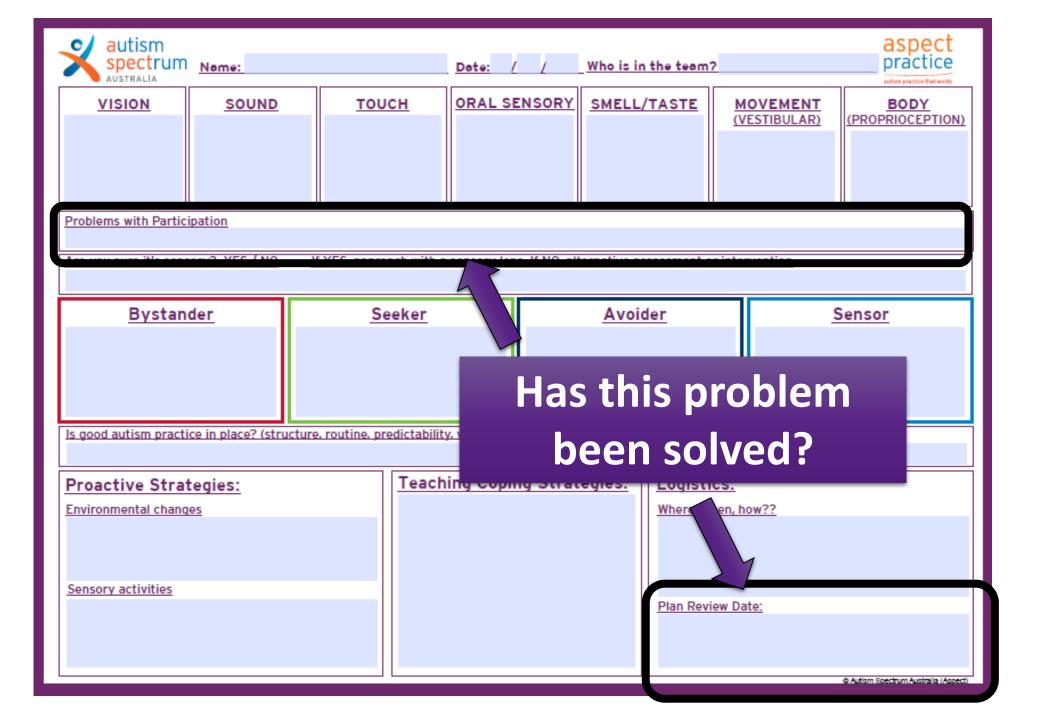
#### **Reviewing the Plan**





- Important to review your plan!
- 4-8 weeks
- Go back to 'Problems with Participation'
- What's the goal?
- Is it time to call in an OT?







#### Plan Review

#### **Conclusion**



• You can work through the process of solving sensory problems to assist a person with their occupational performance and participation.

• There are no quick answers, it's a problem solving process!

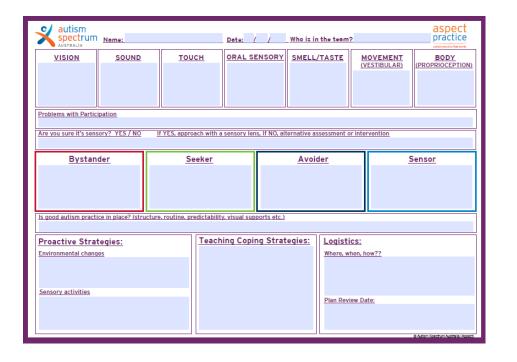


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