How sensory processing affects children's behavior

How do sensory processing issues affect children's behavior and learning?

Identify students with these difficulties

Learn techniques to help them

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Why do they do this?

- ADHD vs. SI
- How they feel
 - Too little battery
 - Too much to juggle
- Pride frustration escape

What senses are they processing?

- Sight
- Touch
- Sound
- Vestibular input
- Proprioceptive input

These are all background input for most of us...

What does it look like

- ... when it goes wrong?
- Decreased vestibular system
- Decreased proprioceptive system
- Hypersensitivity to stimulus

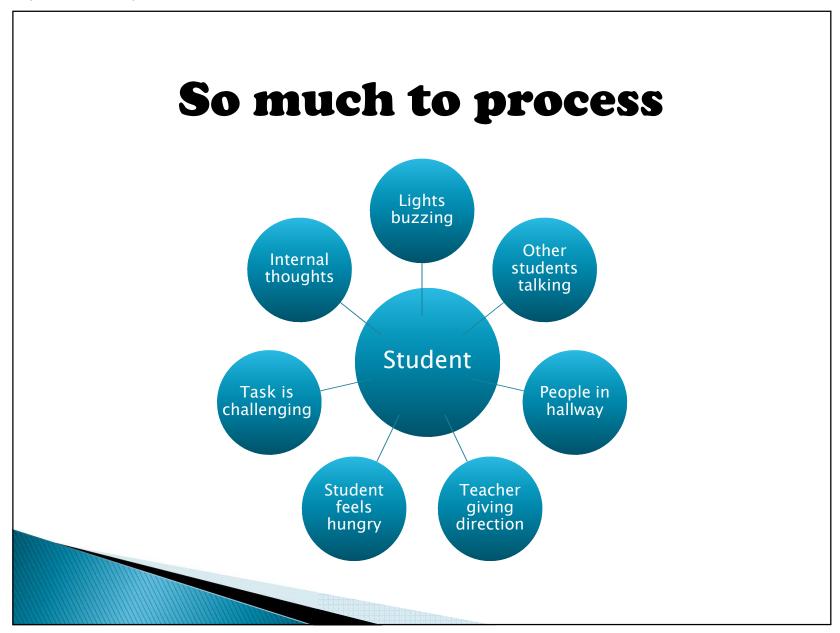
Engine trouble-poor regulation

A decreased vestibular system

- Do not register position/orientation accurately close their eyes and they fall!
- Speed and pacing is off
- Low muscle tone
- Initiating movement is difficult "conservationists"
- Need to keep moving to remain aroused
- Can swing or spin forever without dizziness
- Other senses may be high or low
- Sometimes over-focus to block out noise, looks like they can't hear
- Notice one thing at a time or just one thing

Decreased proprioception

- Use vision to guide body movement
- No graded movement just 'on' or 'off'
- No feedback from muscles
 - How hard do I push/pull (We were just playing)
 - Where am I??? (Did I just knock that over?)
- What did I do wrong?
 - Can't relate to vague terms (slower, gentler, careful)
 - Body won't maintain it's space (move over!)
- Like snug, tight, deep touch/pressure
- Like to wrestle for input poke a caged lion



Engine trouble - disregulation



Help them identify where they are at, where they need to go, and how to get there.



Can we fix it?

- No, but we CAN make it better
- Bridge the gap
- Remove the obstacles less input
- Change the environment
 - Sensory equipment
 - Seating changes
 - Something to chew

Remove the obstacles

Modifications we can make to give them less to process:

- Are there too many words on a page, or too small writing?
- Are there too many math problems on the page?
- Do they need to use a number grid or alphabet chart?
- Do they need to do seat work facing a wall (in their 'office')
- If they struggle with writing, can they dictate or do a final copy at home?
- Do the smaller lines require too much effort to write?
- Would directions on their desk help them organize?
- Is the time slot too long for them to work without a break?*

*breaks can be in room, stretch legs, get a drink, head on desk

Change the environment

Sensory equipment for movement -

- Seat cushions
- Seat cushions on floor for feet to squish or on lap
- Allow to work standing at desk

Sensory equipment for proprioceptive input -

- Lap weights, wrist weights
- Theraband on chair legs to kick or pull
- Sitting on knees at their desk

Sensory equipment to arouse -

- Velcro strip to scratch/roll pencil
- Sour candy, crunchy snack or gum to chew
- Pencil tips or grips with spikes or fuzz

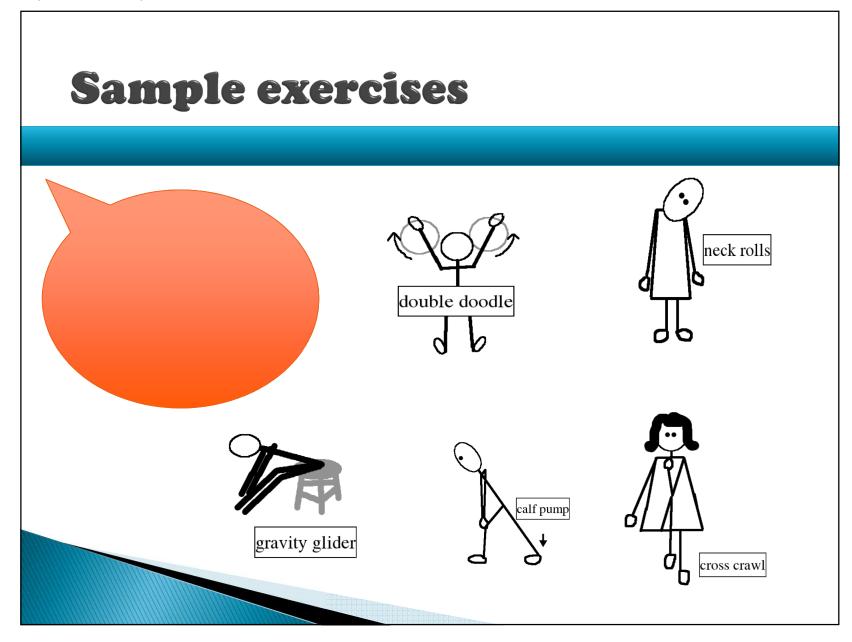
What can I do for the class?

Whole group strategies

- Read the signs:
 - Too loud or too antsy?
 - Hard work or hard day?
- Sensory breaks to regroup
 - Just like clapping for focus
 - Planned or as needed
 - To transition from active to quiet
 - Before doing cognitive seat work

Whole class sensory based movement breaks that work

- Rhythmic
- Jolting/intense
- Slow to calm, quick to arouse
- Fade out
- Limit the movement away from seat



What can I do when it's only 1 or 2?

- Differentiate is it too hard?
- Isolate if he can't keep it together
 - Divide and conquer
 - Don't "sacrifice" the many for the few

