Foundation Degree Inclusive Education Jessica Holohan

Overcoming Barriers Of Speech and Language Difficulties

The Importance of The Multi Sensory Approach

All learning happens through the senses, which act as pathways to the brain.
(Major, 2020)

A multisensory lesson will engage students on all levels at one time
(Major, 2020)

https://child1st.com/blogs/resources/what-is-multisensory-learning-why-is-it-so-effective

Multisensory lessons will target the learning strengths of all students.
Major, 2020)

The primary pathways to the brain are……

Pathways To The Brain

https://www.dailymail.co.uk/health/article-6565503/Autism-diagnosed-hearing-test-birth-study-says.html

- **Auditory** – through the sense of hearing

- **Visual** – through the sense of sight

https://www.vectorstock.com/royalty-free-vector/sight-sense-icon-vector-10519597

https://www.iconexperience.com/g_collection/icons/?icon=hand_touch

- **Tactile** – through the sense of touch

- **Kinesthetic** – through body movement

(Major, 2018)

https://www.bodiddleyplaza.com/upcoming-events/2010/8/25/morning-movement-wge86-pwtwz-g3bjm

Wobble Cushion

Helps develop core strength.
(Grogan, 2019)

Helps with poor attention.
(Grogan, 2019)

They provide a more appropriate and less distracting way for pupils to move whilst sitting in a chair.
(GriffinOT, 2019)

https://www.sensorydirect.com/2015/05/wobble-cushions-for-active-sitting/

They help children that are constantly moving about, fidgeting and maybe rocking in their chair.
(GriffinOT, 2019)

Increase tolerance for extended sitting periods.
(Grogan, 2019)

Develops balance.
(Grogan, 2019)

Attention Deficit Hyperactivity Disorder

Interrupting people while they're talking

Being forgetful about completing tasks

There are many behaviours associated with ADHD. These are some of the more frequently displayed.

Being easily distracted

Having difficulty sitting still

Having trouble focusing or concentrating on tasks

(Angel, 2019)

Active Sitting

- Sensory needs include vestibular input (received by the inner ear through all sorts of movement) and proprioceptive input (sensory input to the joints and ligaments that contributes to body awareness). (Julie, 2019)
- A child who isn't getting enough sensory input will often seek out what they need by wiggling, fidgeting. (Julie, 2019)
- A lack in the ability to focus has been linked to being sedentary for extended periods. (Hinklin-Lauderdale, 2014)

https://sensoryprocessingdisorderparentsupport.com/sensory-chairs-and-active-seating-tools.php

Minimal Disruption

- Active seating allows kids to move and adjust themselves in a way that does not draw attention to themselves or disrupt classes. They burn off excess energy and get the stimulus their muscles are looking for. This makes children more attentive in class. (Hinklin-Lauderdale, 2014)
- Minor movements are made possible with active seating. This makes the body more engaged. Easing the negative effects of sitting for long periods. (Hinklin-Lauderdale, 2014)

Emotional and Social Impact

If a child has unmet sensory needs, they can feel their surroundings and how they react in them is out of control. This feeling can result in the child clinging onto any chance to have control. (Julie, 2019)

People with ADHD may feel as if they can't shut down. An urge to constantly be doing things and be on the go can lead to frustration when it can't be done immediately. This leads to agitation, which can lead to frustration and anxiety. (Legg, 2017)

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