







Lack of information:
Check is more complicated. Brains want to check, exhausting process
Senses continuously in high arousal

Risks
Incomplete information:
Building wrong models => frustration, more time, exhausting

Context
information
and social
learning

Also here: the brain needs context information to check predictions
The same risks
An important impact on developing Theory of Mind

Theory of mind

= social cognition, = the capacity to understand other people by ascribing mental states to them (that is, surmising what is happening in their mind). This includes the knowledge that others' mental states may be different from one's own states and include beliefs, desires, intentions, emotions, and thoughts

To develop theory of mind we need

- self-knowledge and self-awareness (Sterneman, 2012)
- context information (social learning Wellman, 1990)

Theory of mind and D/HoH

Deaf/HoH children develop theory of mind slower than hearing children (o.a. Rieffe et al., 2017, Smit et al., 2019)

This is also true for hearing-impaired children whose language development is within average limits (Nette et al., 2017)

Exception: deaf children of deaf parents communicating in sign language are on terms with theory of mind development

Theory of mind and D/HoH

Causes:

Richness of language (less nuances and less emotional related language)

Less incidental learning

Focus on vocabulary, grammar and knowledge

ToM training

Focus on self-knowledge and self-awareness Practicing specific language (beliefs and desires) Training in recognising intentions of others, empathising with other people's thoughts and feelings...

=> Child and parent!

Training of executive skills

Language development increases BUT... Fatigue (Langen-Van Leijenhorst et al., 2022) Greater risk of psychological problems attributable to communication problems but also to deficits in the development of theory of mind (Smit, Knoors et al., 2019)



Output

Deaf/HoH children, youngsters, adults that have richer opportunities to learn by themselves



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